

ACL 2023

**Findings of the Association for Computational Linguistics:  
ACL 2023**

**Findings of the Association for Computational Linguistics:  
ACL 2023**

July 9-14, 2023

The ACL organizers gratefully acknowledge the support from the following sponsors.

## Diamond-Level Welcome Event



## Diamond



## Platinum





Megagon Labs



DATAOCEAN AI  
YOUR GLOBAL DATA PARTNER

**Gold**



J.P.Morgan

NEC

*Tencent*

**Silver**

aiXplain



 translated.

**Bronze**



servicenow

# Diversity & Inclusion Champions



©2023 Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)  
209 N. Eighth Street  
Stroudsburg, PA 18360  
USA  
Tel: +1-570-476-8006  
Fax: +1-570-476-0860  
[acl@aclweb.org](mailto:acl@aclweb.org)

ISBN 978-1-959429-62-3

## Message from the General Chair

Welcome to ACL 2023, the 61<sup>st</sup> Annual Meeting of the Association for Computational Linguistics! The conference will be held in Toronto, Canada, July 9-14, 2023. Following the succession of the recent conferences in our field, ACL 2023 will adopt a hybrid format. While the impact of Covid has considerably diminished in terms of traveling, obtaining visas to Canada entails a very long process. Moreover, the global economic conditions pose challenges for many individuals to travel to conferences. Recognizing these circumstances, we know many participants may not be able to attend the conference in person. Therefore, we are committed to providing a great virtual platform so everyone has the opportunity to interact with other participants and enjoy the conference. Based on the current registered participants, approximately 30% have chosen to attend the conference virtually. Whether you join us in person or virtually, we sincerely hope everyone has a remarkable conference experience.

This General Chair's message is where I express my gratitude to the many individuals who have made enormous contributions to the conference over the past year.

First and foremost, I am grateful for the tremendous efforts by the program chairs: Anna Rogers, Jordan Boyd-Graber, and Naoaki Okazaki. The rapid growth of our field is challenging from the perspective of organizing a conference. Program chairs have admirably handled a huge number of submissions and implemented novel review criteria to improve the quality of reviews and the paper decision process. They responded promptly after ChatGPT was launched and provided guidelines for using it in paper writing. Beyond their responsibilities as program chairs, they have assisted me with various other decisions. Their efforts have truly shaped the conference. Also, thanks to all the senior area chairs, area chairs, reviewers, and the best paper committee, whose commitment and dedication made paper review and selection possible.

Next, I would like to thank the entire organizing committee for their service. It has been an honor for me to collaborate with such a dedicated team. This includes:

- Industry track chairs: Beata Beigman Klebanov, Jason Williams, and Sunayana Sitaram. An addition to this year's ACL is the introduction of a separate industry track. This is motivated by two factors. First, ACL is held in North America this year (and thus no NAACL), and NAACL has an established tradition of hosting an industry track. Second there was an increasing number of industry track submissions at EMNLP last year from previous years. We hope that a separate industry track can foster the dissemination of research on real-world applications in industry settings. Thanks to the industry track chairs for their efforts in coordinating all the logistics associated with this track.
- Demo chairs: Alan Ritter, Danushka Bollegala, and Ruihong Huang, who managed demo submissions and accepted 58 demos that will be presented in the main conference.
- Student research workshop (SRW) chairs: Gisela Vallejo, Vishakh Padmakumar, and Yao Fu, who showed remarkable enthusiasm and dedication in organizing the workshop. They selected 45 papers to be presented in the main conference program. Also thanks to the faculty advisors: Ivan Vulic and Lu Wang, for providing guidance to the SRW chairs and obtaining NSF support for the workshop.
- Workshop chairs: Annie Louis, Eduardo Blanco, and Yang Feng, who collaborated with EACL workshop chairs to select 22 workshops, and served as the vital link between the conference and individual workshop organizers.
- Tutorials chairs: Margot Mieskes, Siva Reddy, and Vivian Chen, who also worked with EACL chairs to select 6 high quality tutorials that cater to the interest and needs of our conference.

- Ethics chairs: Dirk Hovy and Yonatan Bisk, who checked papers flagged with ethics issues. Thanks for their meticulous work to ensure our papers uphold the ethical standards.
- Publication chairs: Ryan Cotterell, Chenghua Lin, Jesse Thomason, Lei Shu, and Lifu Huang, who prepared the conference handbook, ensured proper formatting of papers, and produced the conference proceedings.
- Virtual infrastructure chairs: Jiacheng Xu, Martín Villalba, and Pedro Rodriguez, who worked hard to develop a virtual platform to ensure an engaging conference experience for both in-person and remote participants. They also made various innovations and enhancement on top of the Underline platform, which the conference utilizes.
- Publicity and social media chairs, Devamanyu Hazarika, Eva Vanmassenhove, and Tong Xu, who communicated and publicized the conference through various social media channels, enhancing the visibility and reach of the conference.
- Website chairs: Jinho Choi and Zhongyu Wei, who updated and maintained the conference website to keep participants informed.
- Diversity and inclusion (D&I) chairs: Daniel Beck, Maryam Fazel-Zarandi, and Nedjma Djouhra Ousidhoum, who arranged support to participants facing financial hardships, and organized a diverse array of activities aimed to promoting diversity and inclusion in our community.
- Student volunteer chairs: Ayah Zirikly and Tao Yu, who reviewed applications and selected student volunteers for the conference.
- Sponsorship chairs: Alla Rozovskaya and Lei Li. Thanks to them and Chris Callison-Burch, the ACL sponsorship Director for their efforts in securing sponsorships and managing the relationship between sponsors and the conference. The generous support from our sponsors has played a crucial role in enabling us to maintain a reasonable registration cost for attendees, and the additional sponsorship for D&I initiatives helps our commitment to fostering a diverse and inclusive environment.
- Visa assistance team: Ayana Niwa, Qingwen Liu, Renxiang Zhang, Samridhi Choudhary, and Tao You. Many participants require visas to attend the conference, and we fully understand this lengthy process. This team has been diligently handling visa requests by sending out numerous invitation letters to facilitate visa applications.
- Infrastructure support from Softconf (Richard Gerber) and Underline (Damira Mrsic, Sol Rosenberg). Both platforms kindly accommodated our many, many requests and implemented several new features.

I also want to specially thank Jennifer Rachford, the ACL event director, who handled all the local arrangement for this conference. Though she was relatively new to the role, and often times needed to juggle multiple ACL conferences, she remained well organized, and consistently provided all the necessary information to all members of the organizer committee. Her contributions ensure the success of this conference.

Thanks to previous ACL/EMNLP conference chairs for sharing their knowledge, tips, and best practice on organizing this conference, and ACL Exec for the support they provided throughout the entire planning and execution of this conference.

Lastly, I extend my appreciation to every participant. Regardless of your role, whether as authors or presenters, workshop organizers, tutorial speakers, student volunteers, session chairs, or simply attendees, your involvement is essential in creating a memorable conference.

Welcome everyone to the conference!

ACL 2023 General Chair  
Yang Liu  
Alexa, Amazon



## Message from the Program Chairs

It's hard to believe that we're actually going to be seeing the program come together in Toronto. We're really looking forward to it and to seeing you all there!

Most of the work of a program chair is behind the scenes: herding reviewers and chairs, wrangling data from various sources, and answering lots and lots of email. This is a volunteer position, so the only reward we get for this is our chance to make the process of submitting and reviewing papers to our conference better. This letter will outline some of those experiments.

First, we asked reviewers for two scores: soundness and excitement. Our goal was that any sound paper would be accepted to some ACL affiliated venue, but that the “main conference” distinction (limited by space) would be focused on the most exciting papers. Our hope was that soundness would be less noisy than a single “overall recommendation” score, which would help reduce the randomness of decisions. Judging by the exit surveys, this change was well received: over 80% of the chairs, reviewers and authors either expressed support or did not object to this change.

Next, we developed a new process for matching papers to reviewers based on keywords for not only the subject matter of the paper, but also its type of contribution and target language(s). This allowed more fine-grained control over the paper-reviewer matches, and we were also able to provide the chairs with context for the paper-reviewer matches.

To improve review quality, we also updated the reviewer guidelines, and developed a system for the authors to flag specific types of issues with reviews. Finally, we have also proposed a new initiative for recognizing outstanding reviewers and chairs (73 awards at ACL'23).

Finally, we have tried to give more options for presentations. Findings papers now have an in-person presentation spotlight slot and virtual posters in addition to recording videos. Virtual posters have portals to link in-person attendees to virtual posters. We have also brought back Miniconf and RocketChat to allow for better virtual communication between papers (regardless of where the authors are).

This conference is a result of the joint efforts of over ten thousand people. We deeply thank them all, and apologize for the many nagging emails we had to send out. In particular:

- the general chair Yang Liu, who led the whole process;
- the incredible team of 70 SACs, 438 ACs, and 4490 reviewers, who were able to handle our record number of submissions;
- the 13,658 authors for their phenomenal scientific contributions, which we were honored to shepherd through the reviewing process;
- the ACL Executive (esp. Iryna Gurevych, Tim Baldwin, David Yarowsky, Yusuke Miyao, Emily M. Bender) for their support of many of our crazy ideas;
- 21 ethics committee reviewers, chaired by Dirk Hovy and Yonatan Bisk, for their hard work to uphold the ACL code of ethics;
- Our Best Paper Award committee (Jonathan Berant, Jose Camacho-Collados, Danqi Chen, Benjamin Van Durme, David Jurgens, Desmond Elliott, Sasha Luccioni, Jonathan May, Tom McCoy, Yusuke Miyao, Ekaterina Shutova, Emma Strubell, Jun Suzuki, Xiaojun Wan, Luke Zettlemoyer), who reviewed a record number of nominated papers under tight schedule;
- Our assistant Youmi Ma, for reducing our email and Softconf workload significantly and suggesting ideas to make the job run smoothly;
- Past ACL PCs, including Smaranda Muresan, Preslav Nakov and Aline Villavicencio (ACL 2022), Yoav Goldberg, Zornitsa Kozareva, Yue Zhang (EMNLP 2022), Anna Rumshisky, Luke Zettlemoyer, Dilek Hakkani-Tur (NAACL 2021), for their advice and suggestions;

- Publication chairs Ryan Cotterell, Chenghua Lin, Jesse Thomason, Lei Shu, and Lifu Huang, who ensured the proper formatting of camera-ready papers;
- Emma Strubell, Ian Magnusson, and Jesse Dodge for their help in preparing publishable versions of Responsible NLP checklist;
- ACL Anthology director Matt Post;
- TACL editors-in-chief (Asli Celikyilmaz, Roi Reichart, Ani Nenkova) and CL Editor-in-Chief Hwee Tou Ng for coordinating TACL and CL presentations with us;
- Workshop chairs Annie Louis, Eduardo Blanco, and Yang Feng, for helping us to connect the Findings papers to possible presentation slots at workshops;
- Rich Gerber at Softconf, who answered countless emails and implemented several new features on our request;
- Kyle Lo and Semantic Scholar team, who kindly assisted us with data for paper-reviewer matching;
- Our virtual infrastructure chairs (Pedro Rodriguez, Jiacheng Xu, Martín Villalba) and Underline team (Damira Mrsic, Sol Rosenberg) for enabling a new kind of hybrid experience, combining miniconf and Underline;
- the ACL event director Jennifer Rachford and our visa support team (Ayana Niwa, Qingwen Liu, Renxiang Zhang, Samridhi Choudhary, and Tao You), who did everything possible to facilitate the Canada visa situation for ACL attendees.

## Submission and Acceptance

We had two routes to submit papers to ACL 2023: directly to the conference or through ACL Rolling Review (ARR). We received a record number of direct submissions (3601 long papers and 958 short papers) in January 2023. In addition, we received 305 commitments from ARR (271 long papers and 34 short papers) in March 2023. In total, we considered 4864 (3872 long and 992 short) papers with 70 senior area chairs, 438 area chairs, 4024 reviewers, 445 secondary reviewers, and 21 ethics reviewers in 27 tracks. We accepted 910 (23.50%) long and 164 (16.53%) short papers for the main conference, and 712 (41.89% including the long papers for the main conference) long and 189 (35.58% including the short papers for the main conference) short papers for Findings. To sum long and short papers, ACL 2023 accepted 1074 (22.08%) papers for the conference and 901 (40.60% including the papers for the main conference) papers for Findings. The ACL 2023 program also features 46 papers from the Transactions of the Association for Computational Linguistics (TACL) journal, and 7 from the Computational Linguistics (CL) journal.

## Limitations Section and Responsible NLP Checklist

Following EMNLP 2022 and EACL 2023, we required that each submitted paper must include an explicitly named Limitations section, discussing the limitations of the work. This was to counterbalance the practice of over-hyping the take-away messages of papers, and to encourage more rigorous and honest scientific practice. This discussion did not count towards the page limit, and we asked reviewers to not use the mentioned limitations as reasons to reject the paper, unless there was a really good reason to. In addition to the mandatory discussion of limitations, a new element at ACL 2023 is that the Responsible NLP Checklist for the accepted papers is not only considered by the reviewers, but also published together with the accepted papers as a special appendix, in an effort to improve transparency and accountability in the field.

## Areas

To ensure a smooth process, the submissions to ACL 2023 were divided into 26 areas. The areas mostly followed these of previous ACL, and more broadly \*ACL conferences, reflecting the typical divisions in the field. Following EMNLP 2022, we split the “Large Language Models” track away from “Machine learning in NLP”, reflecting the growth of submissions in the area. We also offered two new tracks (“Linguistic diversity” and “Multilingualism and Cross-Lingual NLP”). For the papers authored by SACs, the final recommendation decisions were made by a separate SAC team. The most popular areas (with over 250 submissions) were “Dialogue and Interactive Systems”, “Information Extraction”, “Large Language Models”, “Machine Learning for NLP”, and “NLP Applications”.

## Best Paper Awards

ACL’23 implemented the new ACL award policy, aiming to expand the pool of work that is recognized as outstanding. In total, 73 papers were nominated by the reviewers or area chairs for consideration for awards. These papers were assessed by the Best Paper Award Committee, and with their help we selected 4 best papers, 3 special awards (social impact, resource, reproduction), and several dozen outstanding papers. The best and outstanding papers will be announced in a dedicated plenary session for Best Paper Awards on July 10 2023.

## Presentation Mode

In ACL 2023, there is no meaningful distinction between oral and poster presentations in terms of paper quality. The composition of the oral sessions were proposed by the SACs of their respective tracks, so as to compose a thematically coherent set of papers on a shared topic or method, which would allow for an engaging discussion. The decisions were not based on the authors’ virtual or on-site attendance.

We hope you enjoy the program and the new elements we introduced (but let us know either way). We are looking forward to a great ACL 2023!

Anna Rogers (IT University of Copenhagen, Denmark)

Jordan Boyd-Graber (University of Maryland, USA)

Naoaki Okazaki (Tokyo Institute of Technology, Japan)

ACL 2023 Programme Committee Co-Chairs

# Program Committee

## Computational Social Science and Cultural Analytics

Walid Magdy, Daniel Preotiuc-Pietro, Md. Shad Akhtar, Nikolaos Aletras, Kalina Bontcheva, Kareem Darwish, Mai Elshierief, Kiran Garimella, Marco Guerini, Kokil Jaidka, Barbara McGillivray, Yelena Mejova, Usman Naseem, Bjorn Ross, James Thorne, Marco Viviani, Soroush Vosoughi, Ingmar Weber

## Dialogue and Interactive Systems

Y-Lan Boureau, Mary Ellen Foster, Minlie Huang, João Sedoc, Luciana Benotti, Paul Crook, Maryam Fazel-Zarandi, Michel Galley, Kallirroi Georgila, Alborz Geramifard, Devamanyu Hazarika, Baotian Hu, Wenqiang Lei, Gina-Anne Levow, Piji Li, Andrea Madotto, Fei Mi, Seungwhan Moon, Lili Mou, Natalie Parde, Baolin Peng, Oleg Rokhlenko, Samira Shaikh, Lei Shu, Kurt Shuster, Ruihua Song, Yiping Song, Shabnam Tafreshi, Ryuichi Takanobu, David Traum, Stefan Ultes, Charles Welch, Min Yang, Zhou Yu, Wei-Nan Zhang, Hao Zhou

## Discourse and Pragmatics

Christian Hardmeier, Jey Han Lau, Jacob Andreas, Chloé Braud, Luis Fernando D'haro, Junyi Jessy Li, Sharid Loaigiga, Nafise Sadat Moosavi, Anna Nedoluzhko, Juntao Yu, Amir Zeldes

## Ethics and NLP

Vinodkumar Prabhakaran, Diyi Yang, Kai-Wei Chang, Sunipa Dev, Karen Fort, Jack Hessel, Debora Nozza, Zeerak Talat, Yulia Tsvetkov

## Generation

Sebastian Gehrmann, Mohit Iyyer, Nina Dethlefs, Nan Duan, Greg Durrett, Angela Fan, Claire Gardent, Albert Gatt, Yeyun Gong, Srinivasan Iyer, Meng Jiang, Sujian Li, Ankur Parikh, Nanyun Peng, Lianhui Qin, Sudha Rao, Hannah Rashkin, Jinsong Su, Hiroya Takamura, John Wieting, Rui Yan, Jiajun Zhang

## Information Extraction

Lifu Huang, Chin-Yew Lin, Aaron White, Yixin Cao, Shiyu Chang, Muhao Chen, Brian Davis, Antoine Doucet, Xinya Du, Radu Florian, Xianpei Han, Filip Ilievski, Diana Inkpen, Reno Kriz, Lane Lawley, Manling Li, Kang Liu, Zhiyuan Liu, Bonan Min, Thien Nguyen, Qiang Ning, Alan Ritter, Benjamin Roth, Lei Sha, Jingbo Shang, Ge Shi, Xianzhi Wang, Wenpeng Yin, Mo Yu, Dongyan Zhao, Jun Zhao, Christos Christodoulopoulos

## Information Retrieval and Text Mining

Benjamin Piwowarski, Qifan Wang, Yi Fang, Fuli Feng, Yiqun Liu, Jian-Yun Nie, Xiaojun Quan, Yi Tay, Hongning Wang, Jingang Wang, Zenglin Xu, Grace Hui Yang

## Interpretability and Analysis of Models for NLP

Carolin Lawrence, Ana Marasovic, Chenhao Tan, Jasmijn Bastings, Dallas Card, Samuel Carton, Oana Cocarascu, Nadir Durrani, Jacob Eisenstein, Mor Geva, Ivan Habernal, Peter Hase, Alon Jacovi, Yangfeng Ji, Divyansh Kaushik, Piyawat Lertvittayakumjorn, Zaiqiao Meng, Pasquale Minervini, Isar Nejadgholi, Danish Pruthi, Abhilasha Ravichander, Roi Reichart, Swabha Swayamdipta, Martin Tutek, Elena Voita, Sarah Wiegrefe, Tongshuang Wu

## **Language Grounding to Vision, Robotics, and Beyond**

Zhongyu Wei, Mark Yatskar, Yoav Artzi, Yi Cai, Jingjing Chen, Zhihao Fan, Daniel Fried, Jiasen Lu, Lin Ma, Aishwarya Padmakumar, Zhaochun Ren, Freda Shi, Carina Silberer, Alessandro Suglia, Alane Suhr, Chen Sun, Hao Tan, Meng Wang, Tong Xu

## **Large Language Models**

Dipanjan Das, Bhuwan Dhingra, Mike Lewis, Xuezhe Ma, Miguel Ballesteros, Kenneth Church, Kumar Dubey, Orhan Firat, Marjan Ghazvininejad, Hila Gonen, Junxian He, Harsh Jhamtani, Mandar Joshi, Xiang Kong, Ni Lao, Moontae Lee, Bing Liu, Peter Liu, Eric Malmi, Huan Sun, Lijun Wu, Chunting Zhou

## **Linguistic Diversity**

Constantine Lignos, Emily Prud'hommeaux, Rebecca Knowles, Zoey Liu, Teresa Lynn, Lane Schwartz, Francis Tyers, Marcos Zampieri

## **Linguistic Theories, Cognitive Modeling, and Psycholinguistics**

Afra Alishahi, Najoung Kim, Lisa Beinborn, Abdellah Fourtassi, Nan-Jiang Jiang, R. Thomas McCoy, Aida Nematzadeh, Grusha Prasad

## **Machine Learning for NLP**

Marie-Francine Moens, Anna Rumshisky, Kevin Small, Heike Adel, Mikhail Burtsev, Giuseppe Castellucci, Trevor Cohn, Danilo Croce, Julian Eisenschlos, Francis Ferraro, Matthias Galle, Dan Goldwasser, Hannaneh Hajishirzi, Ricardo Henao, Estevam Hruschka, Pei Ke, Parisa Kordjamshidi, Omer Levy, Zemin Liu, André Martins, Ashutosh Modi, Ndapa Nakashole, Thanh Tam Nguyen, Giannis Nikolentzos, Barbara Plank, Steven Schockaert, Freda Shi, Vivek Srikumar, Jun Suzuki, Hao Tang, Lu Wang, Taro Watanabe, Ningyu Zhang

## **Machine Translation**

Markus Freitag, Tom Kocmi, Lei Li, Boxing Chen, Colin Cherry, George Foster, Roman Grundkiewicz, Francisco Guzman, Shujian Huang, Philipp Koehn, Qun Liu, Chi-Kiu Lo, Haitao Mi, Jan Niehues, Stephan Peitz, Maja Popović, Ricardo Rei, Felix Stahlberg, Zhaopeng Tu, David Vilar, Mingxuan Wang, Joern Wuebker, Tong Xiao, Jingjing Xu, François Yvon, Yue Zhang, Hao Zhou

## **Multilingualism and Cross-Lingual NLP**

A. Seza Dođruöz, Sunayana Sitaram, Muhammad Abdul-Mageed, David Ifeoluwa Adelani, Alham Fikri Aji, Antonios Anastasopoulos, Mikel Artetxe, Yoshinari Fujinuma, Dan Garrette, Shruti Rijhwani, Sebastian Ruder, Xinyi Wang

## **NLP Applications**

Sophia Ananiadou, Mark Dras, Jing Jiang, Makoto Miwa, Vincent Ng, Hadi Amiri, Riza Batista-Navarro, Jose Camacho-Collados, Fenia Christopoulou, Giovanni Da San Martino, Dina Demner-Fushman, Luigi Di Caro, Haibo Ding, Mariano Felice, Wei Gao, Sanda Harabagiu, Seung-Won Hwang, Naoya Inoue, Shafiq Joty, Ekaterina Kochmar, Mamoru Komachi, Wei Lu, Shervin Malmasi, David Mimno, Preslav Nakov, Maria Leonor Pacheco, Marek Rei, Kirk Roberts, Sara Rosenthal, Alla Rozovskaya, Tulika Saha, Hiroki Sakaji, Matthew Shardlow, Shuohang Wang, Jason Wei, Qianqian Xie, Jianfei Yu, Chrysoula Zerva, Aston Zhang, Arkaitz Zubiaga

## **Phonology, Morphology, and Word Segmentation**

Miikka Silfverberg, Ekaterina Vylomova, Ryan Cotterell, Xuanjing Huang, David R. Mortensen

## **Question Answering**

Eunsol Choi, Mrinmaya Sachan, Rishiraj Saha Roy, Priyanka Agrawal, Chitta Baral, Gianni Barlacchi, Hao Cheng, Danish Contractor, Pradeep Dasigi, Tushar Khot, Rik Koncel-Kedziorski, Bill Yuchen Lin, Bang Liu, Ismini Lourentzou, Sewon Min, Liangming Pan, Panupong Pasupat, Peng Qi, Ashish Sabharwal, Xiaoyu Shen, Veselin Stoyanov, Yu Su, Kai Sun, Mihai Surdeanu, Di Wang, Ziyu Yao, Yuhao Zhang

## **Resources and Evaluation**

Sarvnaz Karimi, Nathan Schneider, Karin Verspoor, Rachel Bawden, Asma Ben Abacha, Doina Caragea, Jennifer D'souza, Rotem Dror, Ondrej Dusek, Steffen Eger, Jorge Gracia, Udo Hahn, Lifeng Han, Radu Tudor Ionescu, David Janiszek, Sudipta Kar, Jin-Dong Kim, Jonathan Kummerfeld, John P. Lalor, Fabrice Lefèvre, Jochen Leidner, Roser Morante, Gabriella Pasi, Maja Popović, German Rigau, Yves Scherrer, Manish Shrivastava, Sowmya Vajjala, Lucy Lu Wang

## **Semantics: Lexical**

Marianna Apidianaki, Gabriella Lapesa, Chris Biemann, Guy Emerson, Allyson Ettinger, Goran Glavaš, Dieuwke Hupkes, Nancy Ide, Andrey Kutuzov, Alessandro Lenci, Mohammad Taher Pilehvar, Yuval Pinter, Edoardo Maria Ponti, Vered Shwartz, Lonneke Van Der Plas, Ivan Vulić

## **Semantics: Sentence-level Semantics, Textual Inference, and Other Areas**

Yuki Arase, Roberto Navigli, Roy Schwartz, Tommaso Caselli, Simone Conia, Lei Cui, Li Dong, Lea Frermann, Atsushi Fujita, Christophe Gravier, Luheng He, Germán Kruszewski, Tommaso Pasini, Adam Poliak, Jakob Prange, Michael Roth, Keisuke Sakaguchi, Abulhair Saparov, Ji-Rong Wen, Wei Xu, Sho Yokoi, Chen Zhao

## **Sentiment Analysis, Stylistic Analysis, and Argument Mining**

Lun-Wei Ku, Henning Wachsmuth, Khalid Al Khatib, Elena Cabrio, Hao Fei, Anette Frank, Lin Gui, Yufang Hou, Ting-Hao Huang, Kentaro Inui, Anne Lauscher, John Lawrence, Saif Mohammad, Joonsuk Park, Shabnam Tafreshi, Orith Toledo-Ronen, Serena Villata, Shuai Wang

## **Speech and Multimodality**

Grzegorz Chrupała, Frank Rudzicz, Laurent Besacier, Manaal Faruqui, Sharon Goldwater, Florian Metze, Okko Rasanen, Andrew Rosenberg, Hao Tang, Wenwu Wang, Xin Wang, Shinji Watanabe

## **Summarization**

Chenghua Lin, Shashi Narayan, Reinald Kim Amplayo, Avi Caciularu, Chung-Chi Chen, Gong Cheng, Markus Dreyer, Xiaocheng Feng, Kathleen Mckeown, Stuart Middleton, Richard Yuanzhe Pang, Xiaojun Wan, Xingxing Zhang, Yao Zhao

## **Syntax: Tagging, Chunking, and Parsing**

Wanxiang Che, Djamé Seddah, Xinchu Chen, Leyang Cui, Lifeng Jin, Zhenghua Li, Joakim Nivre, Kenji Sagae, Meishan Zhang

## **Theme: Reality Check**

Ehud Reiter, Xiang Ren, Malihe Alikhani, Jan Buys, Jesse Dodge, Antske Fokkens, Robin Jia, Daniel Khashabi, Emiel Kraemer, Saad Mahamood, Margaret Mitchell, Richard Sproat, Byron Wallace, Adina Williams

## **COI**

Shay B. Cohen, Daisuke Kawahara

## Ethics

Yonatan Bisk, Dirk Hovy, Jin-Dong Kim, Zeerak Talat

## Best Paper Selection Committee

Jonathan Berant, Jose Camacho-Collados, Danqi Chen, Benjamin Van Durme, David Jurgens, Desmond Elliott, Sasha Luccioni, Jonathan May, Tom McCoy, Yusuke Miyao, Ekaterina Shutova, Emma Strubell

## Primary Reviewers

Amirhossein Abaskohi, Harika Abburi, Asad Abdi, Sadaf Abdul Rauf, Muhammad Abdul-Mageed, Kaori Abe, Omri Abend, Gavin Abercrombie, Sallam Abualhaija, Abdalghani Abujabal, Alafate Abulimiti, Lars Ackermann, Griffin Adams, Ife Adebara, David Ifeoluwa Adelani, Benedikt Adelman, Tosin Adewumi, Jiban Adhikary, Suman Adhya, Yossi Adi, Somak Aditya, Vaibhav Adlaka, Noëmi Aepli, Stergos Afantenos, Haithem Afli, Ankur Agarwal, Sanchit Agarwal, Shivam Agarwal, Rodrigo Agerri, Arshiya Aggarwal, Karan Aggarwal, Piush Aggarwal, Manex Agirrezabal, Guy Aglionby, Aishwarya Agrawal, Ameeta Agrawal, Sweta Agrawal, Roeë Aharoni, Wasi Uddin Ahmad, Sina Ahmadi, Natalie Ahn, Aman Ahuja, Chaitanya Ahuja, Kabir Ahuja, Lin Ai, Xi Ai, Ankit Aich, Annalena Aicher, Laura Aina, Salah Ait-Mokhtar, Akiko Aizawa, Alham Fikri Aji, Aswathy Ajith, Reina Akama, Pritom Saha Akash, Alan Akbik, Adewale Akinfaderin, Nader Akoury, Burak Aksar, Ibrahim Taha Aksu, Mousumi Akter, Arjun Akula, Ekin Akyurek, Hend Al-Khalifa, Hadeel Al-Negheimish, Hussein Al-Olimat, Rami Al-Rfou, Nora Al-Twairish, Firoj Alam, Mehwish Alam, Alon Albalak, Abdullah Albanyan, Chris Alberti, Hanan Aldarmaki, Vasiliy Alekseev, Jan Alexandersson, Georgios Alexandridis, Mark Alfano, David Alfter, Robin Algayres, Raquel G. Alhama, Abdulaziz Alhamadani, Tariq Alhindi, Hamed Alhoori, Hassan Alhuzali, Badr Alkhamissi, Maxime Allard, Emily Allaway, Liesbeth Allein, Tiago Almeida, Khalid Alnajjar, Omar Alonso, Abdullah Alrajeh, Milad Alshomary, Maha Jarallah Althobaiti, Duygu Altinok, Fernando Alva-Manchego, Rami Aly, Chiara Alzetta, Bharat Ram Ambati, Maxime Amblard, Iqra Ameer, Saadullah Amin, Afra Amini, Silvio Amir, Maaz Amjad, Haozhe An, Jie An, Jisun An, Ashish Anand, Sophia Ananiadou, Raviteja Anantha, Rafael Anchiêta, Mark Anderson, Nicholas Andrews, Raghuram Annasamy, Diego Antognini, Jean-Yves Antoine, Maria Antoniak, Wissam Antoun, Rishita Anubhai, Xiang Ao, Emilia Apostolova, Mario Aragon, Erik Arakelyan, Jun Araki, Rahul Aralikatte, Ayme Arango Monnar, Oscar Araque, Matheus Araujo, John Arevalo, Arturo Argueta, Mozhdeh Ariannezhad, Hiba Arnaout, Akhil Arora, Piyush Arora, Siddhant Arora, Leila Arras, Ekaterina Artemova, Philip Arthur, Ron Artstein, Anjana Arunkumar, Saurav Aryal, Akari Asai, Ehsaneddin Asgari, Elliott Ash, Nicholas Asher, Md.sadek Hossain Asif, Arian Askari, Matthias Assenmacher, Zhenisbek Assylbekov, Berk Atil, Giuseppe Attanasio, Mohammed Attia, Aitziber Atutxa Salazar, Lauriane Aufrant, Tal August, Hayastan Avetisyan, Eleftherios Avramidis, Vera Axelrod, Hammad Ayyubi, Hosein Azarbondy, Gorka Azkune, Aslan B. Wong, Bogdan Babych, Luca Bacco, Nguyen Bach, Sarkhan Badirli, Ebrahim Bagheri, Petra Bago, Parnia Bahar, Ashutosh Baheti, Vikas Bahirwani, Bing Bai, Fan Bai, He Bai, Jiabin Bai, Long Bai, Xuefeng Bai, Yinhao Bai, Yu Bai, Yushi Bai, Jinyeong Bak, Amir Bakarov, Collin Baker, Vidhisha Balachandran, Mithun Balakrishna, Oana Balalau, Vevake Balaraman, Ananth Balashankar, Ramya Balasubramaniam, Gunjan Balde, Ioana Baldini, Timothy Baldwin, Simone Balloccu, Mohammadreza Banaei, Dibyanayan Bandyopadhyay, Debayan Banerjee, Pratyay Banerjee, Seojin Bang, Yejin Bang, Vinayshekar Bannihatti Kumar, Hritik Bansal, Forrest Sheng Bao, Guangsheng Bao, Junwei Bao, Yu Bao, Yuwei Bao, Ankur Bapna, Kfir Bar, Roy Bar-Haim, Claire Barale, Mohamad Hardyman Barawi, Edoardo Barba, Adrien Barbaresi, Verginica Barbu Mititelu, M Saiful Bari, Loic Barrault, Alberto Barrón-Cedeño, Sabine Bartsch, Sabyasachee Baruah, Marco Basaldella, Pierpaolo Basile, Valerio Basile, Ali Basirat, Elisa Bassignana, Mohaddeseh Bastan, Kinjal Basu, Somnath Basu Roy Chowdhury, Tatiana Batura, Daniel Bauer, Timo Baumann, Ian Beaver, Björn Bebensee, Daniel Beck, Lee Becker, Maria Becker, Barend Beekhui-

zen, Dorothee Beermann, Gasper Begus, Melika Behjati, Shabnam Behzad, Andrei Stefan Bejgu, Nazar Beknazarov, Nuria Bel, Yonatan Belinkov, Eric Bell, Meriem Beloucif, Luca Benedetto, Martin Benjamin, Lauren Benson, Gábor Berend, Benjamin Bergen, Leon Bergen, Maria Berger, Nathaniel Berger, Rafael Berlanga, Gabriel Bernier-Colborne, Dario Bertero, Laurent Besacier, Chandra Bhagavatula, Rasika Bhalerao, Rohan Bhambhoria, Avanti Bhandarkar, Rishabh Bhargava, Aditya Bhargava, Pushpak Bhattacharyya, Satwik Bhattamishra, Bimal Bhattarai, Shohini Bhattasali, Anahita Bhiwandiwalla, Plaban Bhowmick, Rajarshi Bhowmik, Mukul Bhutani, Nikita Bhutani, Bin Bi, Guanqun Bi, Wei Bi, Giovanni Biancofiore, Adrien Bibal, Ann Bies, Laura Biester, Geetanjali Bihani, Yi Bin, Arne Binder, Jennifer Bishop, Debmalya Biswas, Yonatan Bitton, Johannes Bjerva, Henrik Björklund, Johanna Bjorklund, Philippe Blache, Nate Blaylock, Avi Bleiweiss, Terra Blevins, Rexhina Blloshmi, Su Lin Blodgett, Jelke Bloem, Michael Bloodgood, Carlos Bobed Lisbona, Victoria Bobicev, Ben Bogin, Bernd Bohnet, Ondřej Bojar, Huang Bojun, Valeriia Bolotova-Baranova, Necva Bölücü, Rishi Bommasani, Daniele Bonadiman, Alessandro Bondielli, Francesca Bonin, Logan Born, Mihaela Bornea, Emanuela Boros, Johan Bos, Digbalay Bose, Robert Bossy, Kaj Bostrom, Florian Boudin, Mohand Boughanem, Gerlof Bouma, Gosse Bouma, Zied Bouraoui, Andrey Bout, Johan Boye, Faeze Brahman, António Branco, Stephanie Brandl, Kianté Brantley, Pavel Braslavski, Adrian Brasoveanu, Daniel Braun, Jacob Bremerman, Jonathan Brennan, Chris Brew, Shaked Brody, Thomas Brovelli (meyer), Hannah Brown, Caroline Brun, Dominique Brunato, Yi Bu, Emanuele Bugliarello, Trung Bui, Paul Buitelaar, Razvan Bunescu, Laurie Burchell, Susanne Burger, Jill Burstein, Victor Bursztyn, Davide Buscaldi, Hendrik Buschmeier, Miriam Butt, Joan Byamugisha, Bill Byrne, Donna Byron, José G. C. De Souza, Michele Cafagna, Aoife Cahill, Samuel Cahyawijaya, Deng Cai, Han Cai, Hengyi Cai, Hongjie Cai, Pengshan Cai, Xiangrui Cai, Ruken Cakici, Iacer Calixto, Zoraida Callejas, Jesus Calvillo, Giovanni Campagna, Leonardo Campillos-Llanos, Niccolò Campolungo, Daniel Campos, Jon Ander Campos, Ricardo Campos, Burcu Can, M Abdullah Canbaz, Nicola Cancedda, Marie Candito, Ed Cannon, Erion Çano, Boxi Cao, Hailong Cao, Hejing Cao, Jiangxia Cao, Jie Cao, Kris Cao, Mengyun Cao, Pengfei Cao, Qingqing Cao, Qingxing Cao, Ruisheng Cao, Shuyang Cao, Yixuan Cao, Yu Cao, Yu Cao, Yuan Cao, Yuwei Cao, Ziqiang Cao, Cristian Cardellino, Rémi Cardon, Boaz Carmeli, Xavier Carreras, Paula Carvalho, Francisco Casacuberta, Fabio Casati, Helena Caseli, Pierluigi Cassotti, Sheila Castilho, Arie Cattán, Andrew Cattle, Paulo Cavalin, Roberto Centeno, Dumitru-Clementin Cercel, Christophe Cerisara, Mauro Cettolo, Sky Ch-Wang, Haixia Chai, Heyan Chai, Joyce Chai, Junyi Chai, Yekun Chai, Tuhin Chakrabarty, Megha Chakraborty, Tanmoy Chakraborty, Bharathi Raja Chakravarthi, Yllias Chali, Ilias Chalkidis, Nathanael Chambers, Hou Pong Chan, Zhangming Chan, Anshuma Chandak, . Chandrahas, Raman Chandrasekar, Baobao Chang, Buru Chang, Ernie Chang, Haw-Shiuan Chang, Heng Chang, Kent Chang, Serina Chang, Shuaichen Chang, Tyler Chang, Yapei Chang, Yung-Chun Chang, Tai Chang-You, Guan-Lin Chao, Rajen Chatterjee, Akshay Chaturvedi, Iti Chaturvedi, Aditi Chaudhary, Vishrav Chaudhary, Subhajit Chaudhury, Geeticka Chauhan, Kushal Chawla, Chao Che, Ciprian Chelba, Emmanuel Chelma, Beiduo Chen, Berlin Chen, Bo Chen, Boli Chen, Canyu Chen, Catherine Chen, Chacha Chen, Chen Chen, Deli Chen, Derek Chen, Dongsheng Chen, Francine Chen, Fuxiang Chen, Guanhua Chen, Guanliang Chen, Guanyi Chen, Hanjie Chen, Howard Chen, Huiyuan Chen, Hung-Ting Chen, Jia Chen, Jiao Chen, Jiangjie Chen, Jiase Chen, Jifan Chen, Jingye Chen, John Chen, Junfan Chen, Junyang Chen, Kehai Chen, Kezhen Chen, Lei Chen, Lichang Chen, Lihu Chen, Lin Chen, Linqing Chen, Long Chen, Lu Chen, Luoxin Chen, Maximillian Chen, Mei-Hua Chen, Meiqi Chen, Meng Chen, Mingda Chen, Nuo Chen, Pei Chen, Qian Chen, Qiang Chen, Qianglong Chen, Qin Chen, Qipin Chen, Qiyuan Chen, Ruey-Cheng Chen, Sanxing Chen, Shijie Chen, Shizhe Chen, Sihao Chen, Tao Chen, Tongfei Chen, Xiaojun Chen, Xiaoli Chen, Xiaoyin Chen, Xilun Chen, Xingran Chen, Xinhong Chen, Xiuyi Chen, Xiuying Chen, Yang Chen, Yangbin Chen, Yangyi Chen, Yanping Chen, Yen-Chun Chen, Yiming Chen, Ying Chen, Yongjun Chen, Yu Chen, Yubo Chen, Yubo Chen, Yue Chen, Yue Chen, Yulong Chen, Yun Chen, Yunmo Chen, Zeming Chen, Zhibin Chen, Zhihong Chen, Zhijun Chen, Zhiyu Chen, Zhiyu Chen, Zhuang Chen, Fei



Cheng, Liying Cheng, Lu Cheng, Myra Cheng, Pengxiang Cheng, Qinyuan Cheng, Shanbo Cheng, Sijie Cheng, Weiwei Cheng, Yong Cheng, Yu Cheng, Zhi-Qi Cheng, Vijil Chenthamarakshan, Joe Cheri, Artem Chernodub, Emmanuele Chersoni, Jackie Chi Kit Cheung, Jianfeng Chi, Zewen Chi, Cheng-Han Chiang, David Chiang, Patricia Chiril, Nadezhda Chirkova, Luis Chiruzzo, Billy Chiu, Javier Chiyah-Garcia, Hyunchang Cho, Hyundong Cho, Hyunsoo Cho, Sangwoo Cho, Seunghyuk Cho, Sungjun Cho, Sungzoon Cho, Won Ik Cho, Young Min Cho, Daejin Choi, Jihun Choi, Jinho D. Choi, Seungtaek Choi, Yejin Choi, Yunseok Choi, Shamil Chollampatt, Jaegul Choo, Shubham Chopra, Leshem Choshen, Prafulla Kumar Choubey, Monojit Choudhury, Md Faisal Mahbub Chowdhury, Shammur Absar Chowdhury, Lukas Christ, Chenhui Chu, Yun-Wei Chu, Zewei Chu, Zhendong Chu, Yung-Sung Chuang, Jayeol Chun, Jin-Woo Chung, Abu Nowshed Chy, Alessandra Teresa Cignarella, Philipp Cimiano, Manuel Ciosici, Jorge Civera Saiz, Christopher Clark, Elizabeth Clark, Vincent Claveau, Ann Clifton, Maximin Coavoux, Anne Cocos, Daniel Cohen, Raphael Cohen, Mariona Coll Ardanuy, Davide Colla, Marcus Collins, Pedro Colon-Hernandez, Andrei Coman, Mathieu Constant, Paul Cook, Asa Cooper Stickland, Anna Corazza, Francesco Corcoglioniti, João Cordeiro, Nathan Cornille, Gonçalo Correia, Erin Crabb, Benoit Crabbé, Matthias Creutz, Liam Cripwell, Fabien Cromieres, Maxwell Crouse, Heriberto Cuayahuitl, Ganqu Cui, Haotian Cui, Peng Cui, Shaobo Cui, Shiyao Cui, Wanyun Cui, Xia Cui, Yiming Cui, Rossana Cunha, Washington Cunha, Jeff Da, Iria Da Cunha, Raj Dabre, Gautier Dagan, Deborah Dahl, Leonard Dahlmann, Daniel Dahlmeier, Damai Dai, Hongliang Dai, Qin Dai, Wenliang Dai, Xiang Dai, Yi Dai, Yinpei Dai, Yong Dai, Daniel Dakota, Fahim Dalvi, Marco Damonte, Sandipan Dandapat, Rumen Dangovski, Verna Dankers, Aswarth Abhilash Dara, Amitava Das, Anubrata Das, Ayan Das, Debopam Das, Dipankar Das, Mithun Das, Sarkar Snigdha Sarathi Das, Souvik Das, Mithun Das Gupta, Sarthak Dash, Debajyoti Datta, Vidas Daudaravicius, Sam Davidson, Forrest Davis, Joe Davison, Luna De Bruyne, Gael De Chalendar, Orphee De Clercq, Adria De Gispert, Michiel De Jong, Kordula De Kuthy, Éric De La Clergerie, Cyprien De Lichy, Ernesto William De Luca, Renato De Mori, Andrea De Varda, Alok Debnath, Mathieu Dehouck, Maksym Del, Luciano Del Corro, Jean-Benoit Delbrouck, Marc Delcroix, Sebastien Delecraz, Louise Deleger, Felice Dell'orletta, Pieter Delobelle, Vera Demberg, Daryna Dementieva, David Demeter, Seniz Demir, Dorottya Demszky, Steve Deneefe, Haolin Deng, Mingkai Deng, Shumin Deng, Xiang Deng, Xun Deng, Yang Deng, Yuntian Deng, Zhi-Hong Deng, Pascal Denis, Michael Denkowski, Leon Derczynski, Jan Deriu, Daniel Deutsch, Premkumar Devanbu, Murthy Devarakonda, Chris Develder, Hannah Devinner, Suvodip Dey, Jay Deyoung, Prajit Dhar, Zonglin Di, Barbara Di Eugenio, Mattia Di Gangi, Luca Di Liello, Giorgio Maria Di Nunzio, Shizhe Diao, Gaël Dias, Alberto Diaz, Dimitar Dimitrov, Emily Dinan, Bosheng Ding, Chenchen Ding, Jie Ding, Kaize Ding, Keyang Ding, Liang Ding, Ning Ding, Shuoyang Ding, Wenjian Ding, Wentao Ding, Yangruibo Ding, Yuning Ding, Zeyuan Ding, Zixiang Ding, Anca Dinu, Liviu P. Dinu, Peter Dirix, Ajay Divakaran, Kalpit Dixit, Tanay Dixit, Nemanja Djuric, Dmitriy Dligach, Sumanth Doddapaneni, Pavel Dolin, Miguel Domingo, Chenhe Dong, Haoyu Dong, Meixing Dong, Mengxing Dong, Ming Dong, Minghui Dong, Qianqian Dong, Qingxiu Dong, Xiangjue Dong, Xin Dong, Christine Doran, Bonaventure F. P. Dossou, Longxu Dou, Zhicheng Dou, Zi-Yi Dou, Jad Doughman, Eduard Dragut, Aleksandr Drozd, Jinhua Du, Li Du, Li Du, Mengnan Du, Pan Du, Tianyu Du, Wanyu Du, Yangkai Du, Yulun Du, Yupei Du, Dheeru Dua, Hanyu Duan, Jiali Duan, Jiaxin Duan, Junwen Duan, Pengfei Duan, Sufeng Duan, Xiangyu Duan, Pablo Duboue, Philipp Dufter, Liam Dugan, Nicolas Dugue, Kevin Duh, Jonathan Dunn, Tejas Duseja, Brian Dusell, Sourav Dutta, Tomasz Dwojak, William Dyer, Haihong E, Kurt Eberle, Sebastian Ebert, Hiroshi Echizen'ya, Lukas Edman, Daniel Edmiston, Aleksandra Edwards, Santiago Egea Gómez, Markus Egg, Koji Eguchi, Yo Ehara, Maud Ehrmann, Roald Eiselen, Jason Eisner, Asif Ekbal, Ismail El Maarouf, Samhaa R. El-Beltagy, Aparna Elangovan, Yanai Elazar, Maha Elbayad, Heba Elfardy, Mohamed Elgaar, Michael Elhadad, Basil Ell, Desmond Elliott, Fatma Elsafoury, Micha Elsner, Chris Chinenye Emezue, Saman Enayati, Joseph Enguehard, Sugyeong Eo, Liana Ermakova, Ori Ernst, Patrick Ernst, Engin Erzin, Carlos Escolano, Arash Eshghi, Cristina España-Bonet, Luis Espinosa

Anke, Dominique Estival, Kawin Ethayarajh, Kilian Evang, Kenneth Ezukwoke, Saad Ezzini, Alex Fabbri, Marzieh Fadaee, Michael Faerber, Guglielmo Faggioli, Fahim Faisal, Agnieszka Falenska, Neele Falk, Tobias Falke, James Fan, Jungwei Fan, Yao-Chung Fan, Yimin Fan, Yue Fan, Zhihao Fan, Hui Fang, Qingkai Fang, Tianqing Fang, Yihao Fang, Yimai Fang, Yuwei Fang, Hossein Fani, Ana C Farinha, Nawshad Farruque, Amany Fashwan, Mehwish Fatima, Adam Faulkner, Benoit Favre, Amir Feder, Marc Feger, Zichu Fei, Guy Feigenblat, Nils Feldhus, Sergey Feldman, Virginia Felkner, Jianzhou Feng, Jiazhan Feng, Shangbin Feng, Shi Feng, Shutong Feng, Steven Y. Feng, Weixi Feng, Xiachong Feng, Yang Feng, Yansong Feng, Yu Feng, Yunhe Feng, Zhangyin Feng, Paulo Fernandes, Nigel Fernandez, Ramon Fernandez Astudillo, Javier Fernandez-Cruz, Daniel Fernández-González, Elisa Ferracane, Javier Ferrando, Rafael Ferreira, Besnik Fetahu, Alejandro Figueroa, Matthew Finlayson, Mauajama Firdaus, Mark Fishel, Margaret Fleck, Michael Flor, Jose Fonollosa, Marco Aurelio Fonseca, Tommaso Fornaciari, Karen Fort, Jennifer Foster, Abdellah Fourtassi, Robert Frank, Kathleen C. Fraser, Flavius Frasinca, Diego Frassinelli, Dayne Freitag, André Freitas, Simona Frenda, Victor Fresno, Dan Friedman, Annemarie Friedrich, Jason Fries, Francesca Frontini, Guohong Fu, Jie Fu, Lisheng Fu, Liye Fu, Peng Fu, Xiyang Fu, Yao Fu, Nancy Fulda, Kotaro Funakoshi, Pascale Fung, Yi Fung, Martin Funkquist, Hagen Fürstenau, Richard Futrell, Matteo Gabburo, Kata Gábor, Marco Gaido, Amit Gajbhiye, Dimitris Galanis, Olivier Galibert, Lukas Galke, Ramiro H. Gálvez, Mihaela Gaman, Leilei Gan, Yujian Gan, Sudeep Gandhe, Ashwinkumar Ganesan, Balaji Ganesan, Ananya Ganesh, Varun Gangal, Debasis Ganguly, William Gantt, Chang Gao, Chongyang Gao, Cuiyun Gao, Ge Gao, Hongyang Gao, Jiahui Gao, Jinhua Gao, Jun Gao, Lingyu Gao, Pengzhi Gao, Qiaozi Gao, Shen Gao, Tianyu Gao, Wei Gao, Xin Gao, Yifan Gao, Yingbo Gao, Cristina Garbacea, Marcos Garcia, Aitor García Pablos, Leiby Paola Garcia Perera, Iker García-Ferrero, Diego Garcia-Olano, Krishna Garg, Muskan Garg, Sarthak Garg, Siddhant Garg, Aina Garí Soler, Ekaterina Garmash, Łukasz Garncarek, Nicolas Garneau, Federico Gaspari, Judith Gaspers, Itai Gat, Susan Gauch, Eric Gaussier, Tanja Gaustad, Dipesh Gautam, Mengshi Ge, Suyu Ge, Xiou Ge, Yixiao Ge, Zhaocheng Ge, Michaela Geierhos, Christian Geishauer, Ruiying Geng, Ariel Gera, Felix Gervits, Luke Gessler, Hamidreza Ghader, Sahar Ghannay, Sarik Ghazarian, Mozhdeh Gheini, Deepanway Ghosal, Amur Ghose, Sayan Ghosh, Sayontan Ghosh, Soumitra Ghosh, Sourav Ghosh, Sreyan Ghosh, Sucheta Ghosh, Filip Ginter, John Giorgi, Salvatore Giorgi, Voula Giouli, Mario Giulianelli, Ameya Godbole, Nathan Godey, Pranav Goel, Rahul Goel, Vaibhava Goel, Anne Göhring, Koldo Gojenola, Tejas Gokhale, Yoav Goldberg, Seraphina Goldfarb-Tarrant, Sujatha Das Gollapalli, Olga Golovneva, Luís Gomes, Jose Manuel Gomez-Perez, Carlos Gómez-Rodríguez, Hugo Goncalo Oliveira, Marcos Goncalves, Teresa Goncalves, Lovedeep Gondara, Hongyu Gong, Jiaying Gong, Linyuan Gong, Shansan Gong, Zhuocheng Gong, Jeff Good, Michael Goodman, Senthilkumar Gopal, Karthik Gopalakrishnan, Jonathan Gordon, Philip John Gorinski, Isao Goto, Yanjie Gou, Antoine Gourru, Cyril Goutte, Venkata Subrahmanyam Govindarajan, Edward Gow-Smith, Thammie Gowda, Kartik Goyal, Navita Goyal, Palash Goyal, Prasoon Goyal, Natalia Grabar, Mario Graff, Damien Graux, David Griol, Milan Gritta, Loïc Grobol, Stig-Arne Grönroos, David Gros, Adam Grycner, Jia-Chen Gu, Jia-sheng Gu, Shuhao Gu, Yue Gu, Yuxian Gu, Saiping Guan, Yong Guan, Nuno M. Guerreiro, Lian-gke Gui, Vincent Guigue, Bruno Guillaume, Adrien Guille, Kalpa Gunaratna, James Gung, Tunga Gungor, Sharath Chandra Guntuku, Biyang Guo, Fengyu Guo, Han Guo, Jiang Guo, Jiaqi Guo, Jinyang Guo, Junliang Guo, Lin Guo, Meiqi Guo, Qipeng Guo, Quan Guo, Ruocheng Guo, Shaoru Guo, Shu Guo, Wangzhen Guo, Xin Guo, Xinnan Guo, Yanzhu Guo, Yinpeng Guo, Zhijiang Guo, Abhirut Gupta, Akshat Gupta, Amulya Gupta, Anchit Gupta, Ankit Gupta, Ankita Gupta, Ashim Gupta, Jai Gupta, Nitish Gupta, Prakhari Gupta, Raghav Gupta, Rishabh Gupta, Sonu Gupta, Sparsh Gupta, Umang Gupta, Vivek Gupta, Ximena Gutierrez-Vasques, Jeremy Gwinnup, Loitongbam Gyanendro Singh, Le An Ha, Nizar Habash, Kais Haddar, Katharina Haemmerl, Christopher Hahn, Joonghyuk Hahn, Michael Hahn, Zhen Hai, Jan Hajič, Eva Hajicova, Hossein Hajipour, Sherzod Hakimov, Kishaloy Halder, Anaïs Halftermeyer, Harald Hammarström, Michael Hammond, Thierry Hamon, Chengcheng Han, Chi Han, Hojae Han, Kelvin Han, Ridong Han, Rujun Han,

Ting Han, Xiaochuang Han, Xiaohui Han, Xu Han, Xudong Han, Yo-Sub Han, Yu Han, Zhen Han, Zhongyuan Han, Chung-Wei Hang, Viktor Hangya, Jie Hao, Junheng Hao, Tianyong Hao, Rejwanul Haque, Syed Haque, Tatsuya Harada, David Harbecke, Momchil Hardalov, Daniel Hardt, Hardy Hardy, Keith Harrigian, William Hartmann, John Harvill, Sadid A. Hasan, Maram Hasainain, Taku Hasegawa, Chikara Hashimoto, Sabit Hassan, Bradley Hauer, Claudia Hauff, Shreya Havaldar, William Havard, Adi Haviv, Hiroaki Hayashi, Yoshihiko Hayashi, Amir Hazem, Ben He, Guoxiu He, Jacqueline He, Jianfeng He, Jiangen He, Jiayuan He, Jinzheng He, Kai He, Keqing He, Ru He, Shizhu He, Tianxing He, Wanwei He, Wei He, Xiaodong He, Xingwei He, Xuanli He, Yifan He, Yunjie He, Zexue He, Zhongjun He, Michael Heck, Behnam Hedayatnia, Michael Hedderich, Stefan Heindorf, Johannes Heinecke, Jindřich Helcl, William Held, Oliver Hellwig, Chadi Helwe, Christian Hempelmann, Lisa Anne Hendricks, Iris Hendrickx, Cui Hengbin, Leonhard Hennig, Yu-Jung Heo, David Herel, Delia Irazu Hernandez Farias, Christian Herold, Daniel Hershcovich, Jonathan Herzig, Christian Heumann, John Hewitt, Gerhard Heyer, Christopher Hidey, Derrick Higgins, Stefan Hillmann, Tsutomu Hirao, Tatsuya Hiraoka, Namgyu Ho, Cong Duy Vu Hoang, Cuong Hoang, Julia Hockenmaier, Chris Hokamp, Samuel Hollands, Nora Hollenstein, Pavan Holur, Christopher Homan, Takeshi Homma, Ukyo Honda, Giwon Hong, Pengyu Hong, Zhi Hong, Mark Hopkins, Ales Horak, Andrea Horbach, Sho Hoshino, Tom Hosking, Md Mosharaf Hossain, Mohammad Javad Hosseini, Pedram Hosseini, Rasa Hosseinzadeh, Lei Hou, Yifan Hou, Phillip Howard, David M. Howcroft, Cheng-Yu Hsieh, Chao-Chun Hsu, Chun-Nan Hsu, I-Hung Hsu, Yi-Li Hsu, Phu Mon Htut, Chi Hu, Dou Hu, Guangneng Hu, Guimin Hu, Hai Hu, Hailin Hu, Han Hu, Hexiang Hu, Jinyi Hu, Linmei Hu, Mengting Hu, Minda Hu, Songbo Hu, Xiang Hu, Xiaodan Hu, Xuming Hu, Yibo Hu, Yuchen Hu, Yushi Hu, Zhe Hu, Zhiwei Hu, Zhiyuan Hu, Zikun Hu, Ziniu Hu, Hang Hua, Wenyue Hua, Xinyu Hua, Chao-Wei Huang, Chen Huang, Chieh-Yang Huang, Fei Huang, Hen-Hsen Huang, Hui Huang, Jen-Tse Huang, Jiabin Huang, Jie Huang, Jimin Huang, Jimmy Huang, Jin-Xia Huang, Junjie Huang, Kuan-Hao Huang, Kung-Hsiang Huang, Luyang Huang, Qingbao Huang, Quzhe Huang, Rongjie Huang, Shaohan Huang, Tenghao Huang, Xinting Huang, Yinya Huang, Yongjie Huang, Youcheng Huang, Zhiqi Huang, Zhongqiang Huang, Luwen (vivian) Huangfu, Patrick Huber, John Hudzina, Pere-Lluís Hugué Cabot, Mans Hulden, Chia-Chien Hung, Fantine Huot, Ali Hürriyetoğlu, Tin Huynh, Rebecca Hwa, Dae Yon Hwang, Jena D. Hwang, Dongmin Hyun, Ignacio Iacobacci, Muhammad Okky Ibrohim, Adrian Iftene, Ryu Iida, Gabriel Ilharco, Nikolai Ilinykh, Kenji Imamura, Ayyoob Imanigooghari, Joseph Marvin Imperial, Hirofumi Inaguma, Mert Inan, Svanhvít Lilja Ingólfssdóttir, Koji Inoue, Takashi Inui, Hitoshi Isahara, Tatsuya Ishigaki, Etsuko Ishii, Aminul Islam, Tunazzina Islam, Masaru Isonuma, Takumi Ito, Abe Ittycheriah, Hamish Ivison, Tomoya Iwakura, Ran Iwamoto, Kenichi Iwatsuki, Vivek Iyer, Peter Izsak, Bassam Jabaian, Aashi Jain, Alankar Jain, Parag Jain, Rishabh Jain, Milos Jakubicek, Masoud Jalili Sabet, Shoaib Jameel, Richard James, Abhik Jana, Eugene Jang, Hyeju Jang, Myeongjun Jang, Youngsoo Jang, Sepehr Janghorbani, Peter Jansen, Maarten Janssen, Sujay Kumar Jauhar, Tommi Jauhainen, Inigo Jauregi Unanue, Ganesh Jawahar, Sébastien Jean, Fran Jelenić, Sungho Jeon, Minwoo Jeong, Myeongho Jeong, Young-Seob Jeong, Kevin Jesse, Elisabetha Jezek, Akshita Jha, Prince Jha, Sneha Jha, Bin Ji, Haozhe Ji, Seunghyun Ji, Shaoxiong Ji, Ziwei Ji, Chen Jia, Qi Jia, Zixia Jia, Yiren Jian, Aiqi Jiang, Chao Jiang, Feng Jiang, Hang Jiang, Hao Jiang, Jie Jiang, Jiyue Jiang, Junfeng Jiang, Jun-Yu Jiang, Lan Jiang, Lavender Jiang, Ming Jiang, Ridong Jiang, Tianwen Jiang, Tianyu Jiang, Wenbin Jiang, Xiaotong Jiang, Xuhui Jiang, Yichen Jiang, Yong Jiang, Yuxin Jiang, Zhengbao Jiang, Zhiwei Jiang, Zhiying Jiang, Zhuoren Jiang, Zhuoxuan Jiang, Cathy Jiao, Wenxiang Jiao, Yizhu Jiao, Zhanming Jie, Bernal Jimenez Gutierrez, Di Jin, Li Jin, Lisa Jin, Mali Jin, Qiao Jin, Shuning Jin, Woojeong Jin, Xiaomeng Jin, Yiping Jin, Zhi Jin, Zhijing Jin, Zijian Jin, Hwiyeol Jo, Richard Johansson, Kristen Johnson, Michael Johnston, Erik Jones, Kenneth Joseph, Abhinav Joshi, Aditya Joshi, Brihi Joshi, Nitish Joshi, Rishabh Joshi, Xincheng Ju, Yiming Ju, Zeqian Ju, Jaap Jumelet, Kyomin Jung, Myong Chol Jung, Taehee Jung, Juraj Juraska, David Jurgens, Raquel Justo, Prathyusha Jwalapuram, Preethi Jyothi, Vimal Kumar K, Kishan K C, Besim Kabashi, Srikanth Doss Kadarundalagi Raghuram Doss, Ka-

zuma Kadowaki, Andrea Kahn, Magdalena Kaiser, Ivana Kajic, Tomoyuki Kajiwara, Mihir Kale, Oren Kalinsky, Laura Kallmeyer, Aikaterini-Lida Kalouli, Katikapalli Subramanyam Kalyan, Abu Raihan Kamal, Ehsan Kamaloo, Nishant Kambhatla, Hidetaka Kamigaito, Jaap Kamps, Hiroshi Kanayama, Kamil Kanclerz, Masahiro Kaneko, Gi-Cheon Kang, Jaewook Kang, Minki Kang, Yoshinobu Kano, Diptesh Kanojia, Pinar Karagoz, Giannis Karamanolakis, Siddharth Karamchetti, Mladen Karan, Akbar Karimi, Younes Karimi, Payam Karisani, Börje Karlsson, Shubhra Kanti Karmaker Santu, Sanjeev Kumar Karn, Constantinos Karouzos, Marzena Karpinska, Omid Kashefi, Zdeněk Kasner, Aly Kassem, Anisia Katinskaia, Yoav Katz, David Kauchak, Pride Kavumba, Noriaki Kawamae, Hideto Kazawa, Ashkan Kazemi, Ghazaleh Kazeminejad, Amirhossein Kazemnejad, Zixuan Ke, Akhil Kedia, Sedrick Scott Keh, Katherine Keith, Amr Keleg, Frank Keller, Casey Kennington, Tom Kenter, Roman Kern, Santosh Kesiraju, Lee Kezar, Shahram Khadivi, Muhammad Khalifa, Salam Khalifa, Anant Khandelwal, Dinesh Khandelwal, Shima Khanehzar, Simran Khanuja, Kyung Seo Ki, Mert Kilickaya, Halil Kilicoglu, Bugeun Kim, Gangwoo Kim, Gene Kim, Geonmin Kim, Gunhee Kim, Gyuhak Kim, Harksoo Kim, Hong Kook Kim, Hyounghun Kim, Hyunjae Kim, Hyunwoo Kim, Jaeyoung Kim, Jihyuk Kim, Jongwon Kim, Joo-Kyung Kim, Joshua Y. Kim, Jung-Jae Kim, Kangil Kim, Kyungho Kim, Minsoo Kim, Sungdong Kim, Taeuk Kim, Yekyung Kim, Young Jin Kim, Youngwoo Kim, Yu Jin Kim, Yasutomo Kimura, Milton King, Tracy Holloway King, Svetlana Kiritchenko, Christo Kirov, Denis Kiselev, Hirokazu Kiyomaru, Shun Kiyono, Christopher Klamm, Ayal Klein, Tassilo Klein, Jan-Christoph Klie, Roman Klinger, Julien Kloetzer, Miyoung Ko, Goro Kobayashi, Hayato Kobayashi, Thomas Kober, Elena Kochkina, Jan Kocon, Prashant Kodali, Jordan Kodner, Arne Koehn, Rob Koeling, Svetla Koeva, Jing Yu Koh, Mare Koit, Noriyuki Kojima, Stanley Kok, Daan Kolkman, Anton Kolonin, Kazunori Komatani, Kanako Komiya, Grzegorz Kondrak, Cunliang Kong, Lingkai Kong, Miloslav Konopík, Ioannis Konstas, Selcuk Kopru, Michalis Korakakis, Katerina Korre, Ana Kotarcic, Suraj Kothawade, Fajri Koto, Neema Kotonya, Alexander Kotov, Manolis Koubarakis, Anna Koufakou, Vasiliki Kougia, Punit Singh Koura, Venelin Kovatchev, Ivan Koychev, Michael Kranzlein, Matthias Kraus, Simon Krek, Brigitte Krenn, Amrith Krishna, Kalpesh Krishna, Kundan Krishna, Adit Krishnan, Nikhil Krishnaswamy, Canasai Kruengkrai, Udo Kruschwitz, Anna Kruspe, Da Kuang, Andrei Kucharavy, Iliia Kulikov, Aditya Prakash Kulkarni, Ashish Kulkarni, Atharva Kulkarni, Vivek Kulkarni, Ashutosh Kumar, Puneet Kumar, Ritesh Kumar, Sachin Kumar, Sawan Kumar, Shankar Kumar, Shanu Kumar, Sumeet Kumar, Varun Kumar, Sadhana Kumaravel, Anoop Kunchukuttan, Adhiguna Kuncoro, Tsung-Ting Kuo, Yuri Kuratov, Murathan Kurfalı, Tatsuki Kuribayashi, Mikko Kurimo, Shuhei Kurita, Ugur Kursuncu, Guy Kushilevitz, Mucahid Kutlu, Iliia Kuznetsov, Haewoon Kwak, Sunjun Kweon, Yeonsu Kwon, Moreno La Quatra, Philippe Laban, Sofie Labat, Matthieu Labeau, Yanis Labrak, Faisal Ladhak, Katrien Laenen, Allison Lahnala, Huiyuan Lai, Kenneth Lai, Viet Lai, Yi-An Lai, Yuxuan Lai, Veronika Laippala, Surafel M. Lakew, Kushal Lakhota, Yash Kumar Lal, Tsz Kin Lam, Wai Lam, Hemank Lamba, Vasileios Lampos, Gerasimos Lampouras, Nur Lan, Yunshi Lan, Lukas Lange, Maurice Langner, Mateusz Lango, Mirella Lapata, Issam Laradji, Samuel Larkin, Mikel Larrañaga, Stefan Larson, Samuel Läubli, Frances Adriana Laureano De Leon, Alberto Lavelli, Alexandra Lavrentovich, Dawn Lawrie, Phong Le, Joseph Le Roux, Kevin Leach, Gianluca Lebani, Lynda Lechani, Andrew Lee, Bruce W. Lee, Deokjae Lee, Dong-Ho Lee, Donghun Lee, Dongkyu Lee, Dongyub Lee, Fei-Tzin Lee, Gibbeum Lee, Grandee Lee, Hung-Yi Lee, Hwaran Lee, I-Ta Lee, Jackson Lee, Jae Hee Lee, Jae Sung Lee, Jay Yoon Lee, Jeong Min Lee, Ji-Ung Lee, Jihwan Lee, Jinhyuk Lee, John Lee, Jongwuk Lee, Jun-Min Lee, Koanho Lee, Kyumin Lee, Lung-Hao Lee, Mina Lee, Minhoo Lee, Minwoo Lee, Mong Li Lee, Nayeon Lee, Roy Ka-Wei Lee, Sang-Woo Lee, Seolhwa Lee, Wonkee Lee, Yongjae Lee, Yoonjoo Lee, Young-Suk Lee, Younghun Lee, Els Lefever, Joël Legrand, Jens Lemmens, Yves Lepage, Leo Leppänen, Pietro Lesci, Chun Wa Leung, Gregor Leusch, Ran Levy, Sharon Levy, Alexander Hanbo Li, Baoli Li, Bei Li, Belinda Z. Li, Bin Li, Bo Li, Bobo Li, Boyang Li, Changmao Li, Cheng Li, Cheng-Te Li, Chengming Li, Chenliang Li, Chong Li, Dianqi Li, Fangtao Li, Fei Li, Guanlin Li, Haizhou Li, Haochen Li, Haonan Li, Haoqi Li, Haoran

Li, Haoran Li, Irene Li, Jiacheng Li, Jialu Li, Jiangnan Li, Jiangtong Li, Jiaqi Li, Jiaxuan Li, Jieyu Li, Jing Li, Jinpeng Li, Jiye Li, Juanhui Li, Juncheng Li, Junyi Li, Junyi Li, Keyi Li, Lei Li, Li Erran Li, Liangyou Li, Linjie Li, Linyang Li, Liunian Harold Li, Maoxi Li, Margaret Li, Miao Li, Miaoran Li, Mingda Li, Mingjie Li, Mukai Li, Peifeng Li, Peiguang Li, Peng Li, Qian Li, Qintong Li, Ru Li, Rui Li, Ruifan Li, Ruizhe Li, Sha Li, Shaobo Li, Sheng Li, Shengjie Li, Shimin Li, Shiyang Li, Shuangyin Li, Shujun Li, Shuyang Li, Si Li, Siyan Li, Tao Li, Tianjian Li, Wei Li, Wei Li, Wenyan Li, Xia Li, Xiang Li, Xiang Lisa Li, Xiao Li, Xiaonan Li, Ximing Li, Xin Li, Xintong Li, Xinxin Li, Xue Li, Yafu Li, Yanran Li, Yanyang Li, Yanzeng Li, Yanzhou Li, Yaoyiran Li, Yinghui Li, Yingjie Li, Yingya Li, Yitong Li, Yiyuan Li, Yu Li, Yuan-Fang Li, Yucheng Li, Yuliang Li, Yuncong Li, Yunji Li, Zekun Li, Zhenhao Li, Zhi Li, Zhongli Li, Zongxi Li, Zuchao Li, Vladislav Lialin, Yixin Lian, Bin Liang, Chao-Chun Liang, Davis Liang, Di Liang, Hongru Liang, Junjie Liang, Miya Liang, Paul Pu Liang, Ping Liang, Sheng Liang, Yaobo Liang, Zhengzhong Liang, Zhenwen Liang, Zhicheng Liang, Baohao Liao, Lizi Liao, Peiyuan Liao, Siyu Liao, Jindřich Libovický, Veronica Liesaputra, Daniil Likhobaba, Gilbert Lim, Heuseok Lim, Jungwoo Lim, Kwan Hui Lim, Tomasz Limisiewicz, Nut Limsopatham, Bingqian Lin, Bo Lin, Chuan-Jie Lin, Hongyu Lin, Huan Lin, Kevin Lin, King Ip Lin, Li Lin, Lucy Lin, Nankai Lin, Peiqin Lin, Qika Lin, Sheng-Chieh Lin, Ting-En Lin, Victoria Lin, Wei Lin, Weizhe Lin, Xiang Lin, Xinshi Lin, Yankai Lin, Ying-Jia Lin, Yu-Hsiang Lin, Zeqi Lin, Zhaojiang Lin, Zhenxi Lin, Zhouhan Lin, Zi Lin, Matthias Lindemann, Jeffrey Ling, Zhenhua Ling, Tal Linzen, Marco Lippi, Pierre Lison, Diane Litman, Robert Litschko, Marina Litvak, Alisa Liu, Ao Liu, Bing Liu, Boyang Liu, Chen Liu, Chi-Liang Liu, Dayiheng Liu, Dexi Liu, Emmy Liu, Fangyu Liu, Fenglin Liu, Guangliang Liu, Guisheng Liu, Han Liu, Haokun Liu, Hui Liu, Hui Liu, Jiacheng Liu, Jiangming Liu, Jiawei Liu, Jiduan Liu, Jie-Jyun Liu, Jinglin Liu, Jingzhou Liu, Junhao Liu, Lei Liu, Linlin Liu, Linqing Liu, Luyang Liu, Ming Liu, Minqian Liu, Nayu Liu, Nelson F. Liu, Peng Liu, Qian Liu, Qian Liu, Qianying Liu, Shuaiqi Liu, Siyang Liu, Song Liu, Tianyuan Liu, Wenqiang Liu, Xianggen Liu, Xiangyang Liu, Xiao Liu, Xiao Liu, Xiaoyuan Liu, Xingxian Liu, Xuebo Liu, Xuye Liu, Yang Liu, Yang Janet Liu, Ye Liu, Ye Liu, Yijia Liu, Yiren Liu, Yixin Liu, Yizhu Liu, Yong Liu, Yongbin Liu, Yongfei Liu, Yonghao Liu, Yongkang Liu, Yuanxin Liu, Zechun Liu, Zeming Liu, Zequn Liu, Zeyu Liu, Zhe Liu, Zhenghao Liu, Zhengyuan Liu, Zhengzhong Liu, Zhijian Liu, Zihan Liu, Zitao Liu, Zuozhu Liu, Nikola Ljubešić, Kuan-Chieh Lo, Kyle Lo, Robert L Logan Iv, Lajanugen Logeswaran, Abhay Lokesh Kashyap, Damien Lolive, Guodong Long, Shangbang Long, Yunfei Long, Lucelene Lopes, Marcos Lopes, Henrique Lopes Cardoso, Oier Lopez De Lacalle, Adrian Pastor Lopez Monroy, Isabelle Lorge, Chao Lou, Jian-Guang Lou, Renze Lou, Natalia Loukachevitch, Anastassia Loukina, Daniel Loureiro, Nicholas Lourie, Pablo Loyola, Di Lu, Hongyuan Lu, Jianqiao Lu, Jinghui Lu, Jinliang Lu, Junru Lu, Pan Lu, Peng Lu, Weiming Lu, Wenpeng Lu, Xiaolei Lu, Yao Lu, Yaojie Lu, Yu Lu, Yu Lu, Yujie Lu, Nurul Lubis, Li Lucy, Stephanie M. Lukin, Gunnar Lund, Cheng Luo, Haoran Luo, Haozheng Luo, Hongyin Luo, Jiaming Luo, Jiebo Luo, Junyu Luo, Ling Luo, Man Luo, Renqian Luo, Ruipu Luo, Wencan Luo, Zhunchen Luo, Ziyang Luo, Kelvin Luu, Qi Lv, Chenyang Lyu, Weimin Lyu, Yajuan Lyu, Yougang Lyu, Meryem M'hamdi, Chenkai Ma, Chunpeng Ma, Congbo Ma, Danni Ma, Huifang Ma, Kaixin Ma, Longxuan Ma, Mingyu Derek Ma, Qianli Ma, Ruotian Ma, Tengfei Ma, Wei-Yun Ma, Weizhi Ma, Xinyin Ma, Yubo Ma, Yukun Ma, Zhanyu Ma, Ziqiao Ma, Dominik Macháček, Wolfgang Macherey, Jakub Macina, Aman Madaan, Avinash Madasu, Mounica Maddela, Brielen Madureira, Manuel Mager, Bernardo Magnini, Rahmad Mahendra, Ayush Maheshwari, Kyle Mahowald, Wolfgang Maier, Jean Maillard, Bodhisattwa Prasad Majumder, Navonil Majumder, Márton Makrai, Prodromos Malakasiotis, Ankur Mali, Itzik Malkiel, Anton Malko, Valentin Malykh, Jonathan Mamou, Arpan Mandal, Pranav Maneriker, Emma Manning, Irene Manotas, Elman Mansimov, Saab Mansour, Ramesh Manuvinakurike, Emaad Manzoor, Jiaxin Mao, Kelong Mao, Rui Mao, Wenji Mao, Yuning Mao, Zhendong Mao, Zhiming Mao, Zhuoyuan Mao, Piotr Mardziel, Katerina Margatina, Alex Marin, Mirko Marras, Edison Marrese-Taylor, Santiago Marro, Federico Martelli, Eugenio Martínez Cámara, Eva Martínez Garcia, Abelardo Carlos Martínez Lorenzo,

Fernando Martínez-Plumed, Juan Martinez-Romo, Bruno Martins, Pedro Henrique Martins, David Martins De Matos, Luisa März, Laura Mascarell, Lambert Mathias, Sandeep Mathias, Sergio Matos, Yuichiroh Matsubayashi, Yuji Matsumoto, Takuya Matsuzaki, Evgeny Matusov, Borislav Mavrin, Jonathan May, Tobias Mayer, Joshua Maynez, Amir Mazaheri, Sahisnu Mazumder, Alessandro Mazzei, R. Thomas McCoy, Nick Mckenna, Paul Mcnamee, Quentin Meeus, Alexander Mehler, Ninareh Mehrabi, Nikhil Mehta, Sanket Vaibhav Mehta, Clara Meister, Dheeraj Mekala, Julia Mendelsohn, Erick Mendez Guzman, Arul Menezes, Telmo Menezes, Chuan Meng, Rui Meng, Yu Meng, Yuanliang Meng, Zhao Meng, Samuel Mensah, William Merrill, Mohsen Mesgar, Kourosh Meshgi, Eleni Metheniti, Lars Meyer, Adam Meyers, Ivan Vladimir Meza Ruiz, Yisong Miao, Alessio Miaschi, Antonio Valerio Miceli Barone, Timothee Mickus, Lesly Miculich, Margot Mieskes, Todor Mihaylov, Nandana Mihindukulasooriya, Simon Mille, Timothy Miller, Hye-Jin Min, Koji Mineshima, Gosse Minnema, Andrei Mircea, Seyedabolghasem Mirroshandel, Paramita Mirza, Maryam Sadat Mirzaei, Abhijit Mishra, Pushkar Mishra, Shubhanshu Mishra, Siddhartha Mishra, Kanishka Misra, Masato Mita, Mitch Mithun, Ashish Mittal, Sarthak Mittal, Vibhu Mittal, Yasuhide Miura, Tong Mo, Yijun Mo, Daichi Mochihashi, Daniela Moctezuma, Ali Modarressi, Sandip Modha, Hans Moen, Aditya Mogadala, Nikita Moghe, Hosein Mohebbi, Behrang Mohit, Mrinal Mohit, Afroz Mohiuddin, Tasnim Mohiuddin, Michael Mohler, Luis Mojica De La Vega, Negar Mokhberian, Diego Molla, Nicholas Monath, Sneha Mondal, Helena Moniz, Ali MontazerAlghaem, Manuel Montes, Johanna Monti, Hyeonseok Moon, Jihyung Moon, Lori Moon, Raymond Mooney, Jared Moore, Richard Moot, Mehrad Moradshahi, Goncalo Mordido, Erwan Moreau, Antonio Moreno-Ortiz, Antonio Moreno-Sandoval, Mathieu Morey, Yusuke Mori, Véronique Moriceau, Emmanuel Morin, Gaku Morio, Makoto Morishita, John Morris, Marius Mosbach, Larry Moss, Xiangyang Mou, Maximilian Mozes, Frank Mtumbuka, Jesse Mu, Aaron Mueller, David Mueller, Aldrian Obaja Muis, Shashank Mujumdar, Animesh Mukherjee, Rajdeep Mukherjee, Matthew Mulholland, Benjamin Muller, Mathias Müller, Philippe Muller, Max Müller-Eberstein, Emir Munoz, Rafael Muñoz Guillena, Saliha Muradoglu, Koji Murakami, Deepak Muralidharan, Yugo Murawaki, Kenton Murray, Rudra Murthy, Shikhar Murty, Karthik Murugadoss, Skatje Myers, Agnieszka Mykowiecka, Sheshera Mysore, Anandhavelu N, Seung-Hoon Na, Nona Naderi, Seema Nagar, Masaaki Nagata, Aakanksha Naik, Saeed Najafi, Tetsuji Nakagawa, Yukiko Nakano, Yuta Nakashima, Hideki Nakayama, Christoforos Nalmpantis, Sungjin Nam, Marcin Namysl, Subhrangshu Nandi, Abhilash Nandy, Tarek Naous, Diane Napolitano, Jason Naradowsky, Sharan Narasimhan, Tahira Naseem, Sudip Naskar, Alexis Nasr, Vivi Nastase, Borja Navarro-Colorado, Tapas Nayak, Mojtaba Nayyeri, Claire Nedellec, Carina Negreanu, Preksha Nema, Joshua Nemecek, Graham Neubig, Guenter Neumann, Aurélie Névéal, Mariana Neves, Hwee Tou Ng, Axel-Cyrille Ngonga Ngomo, Cam Tu Nguyen, Dang Tuan Nguyen, Dat Quoc Nguyen, Dong Nguyen, Duc-Vu Nguyen, Huy Nguyen, Huyen Nguyen, Kiet Nguyen, Nhung Nguyen, Thanh Nguyen, Thanh-Tung Nguyen, Trang Nguyen, Truc-Vien T. Nguyen, Trung Hieu Nguyen, Vincent Nguyen, Hoang-Quoc Nguyen-Son, Ansong Ni, Jianmo Ni, Jingwei Ni, Minheng Ni, Zhaoheng Ni, Eric Nichols, Garrett Nicolai, Massimo Nicosia, Feng Nie, Ping Nie, Shaoliang Nie, Zhijie Nie, Sofia Nikiforova, Dmitry Nikolaev, Nikola I. Nikolov, Vassilina Nikoulina, Iftitahu Nimah, Lasguido Nio, Noriki Nishida, Masaaki Nishino, Sergiu Nisioi, Malvina Nissim, Tong Niu, Xing Niu, Yulei Niu, Zheng-Yu Niu, Bill Noble, Mariana Noguti, Tadashi Nomoto, Armineh Nourbakhsh, Jekaterina Novikova, Pierre Nugues, Diarmuid Ó Séaghdha, Alexander O'connor, Brendan O'connor, Tim O'gorman, Stephen Obadinma, Jose Ochoa-Luna, Kemal Oflazer, Maciej Ogrodniczuk, Kelechi Ogueji, Tolulope Ogunremi, Alice Oh, Shin Ah Oh, Mayumi Ohta, Kiyonori Ohtake, Atul Kr. Ojha, Oleg Okun, Eda Okur, Amy Olex, Anais Ollagnier, Ali Omrani, Byung-Won On, Donovan Ong, Ethel Ong, Yasumasa Onoe, Juri Opitz, Abigail Oppong, Matan Orbach, Hadas Orgad, Riccardo Orlando, John E. Ortega, Pedro Ortiz Suarez, Yohei Oseki, Naoki Otani, Zhijian Ou, Hiroki Ouchi, Nedjma Ousidhoum, Nedjma Ousidhoum, Jessica Ouyang, Iris Oved, Lilja Øvrelid, Kehinde Owoeye, Deepak P, Trilok Padhi, Ankur Padia, Vishakh Padmakumar, Gustavo Paetzold, Artidoro Pagnoni, Vardaan Pahuja, Santanu Pal, Vaishali

Pal, Shriphani Palakodety, Chester Palen-Michel, Alexis Palmer, Alessio Palmero Aprosio, Shramay Palta, Junshu Pan, Xiang Pan, Xiaoman Pan, Yi-Cheng Pan, Youcheng Pan, Yu Pan, Yudai Pan, Artemis Panagopoulou, Alexander Panchenko, Mugdha Pandya, Liang Pang, Sheena Panthaplackel, Alessandro Panunzi, Isabel Papadimitriou, Pinelopi Papalampidi, Alexandros Papangelis, Nikos Papasarrantopoulos, Paolo Papotti, Nikolaos Pappas, Emerson Paraiso, Bhargavi Paranjape, Letitia Parcalabescu, Antonio Pareja-Lora, Tanmay Parekh, Shantipriya Parida, Pierre-Henri Paris, Chaehun Park, Chan Young Park, Jun-Hyung Park, Jungsoo Park, Kunwoo Park, Seong-Bae Park, Seongmin Park, Seongsik Park, Shinwoo Park, Sunghyun Park, Sungjoon Park, Yannick Parmentier, Patrick Paroubek, Ankita Pasad, Lucia Passaro, Rebecca Passonneau, Ramakanth Pasunuru, Arkil Patel, Raj Patel, Roma Patel, Sapan Patel, Braja Gopal Patra, Jasabanta Patro, Parth Patwa, Manasi Patwardhan, Siddharth Patwardhan, Debjit Paul, Indraneil Paul, Shounak Paul, Adam Pauls, Nikita Pavlichenko, Ellie Pavlick, John Pavlopoulos, Siddhesh Pawar, Justin Payan, Pavel Pecina, Jiahuan Pei, Jiaxin Pei, Weiping Pei, Hao Peng, Hao Peng, Qianqian Peng, Qiwei Peng, Siyao Peng, Tao Peng, Wei Peng, Wei Peng, Wenjun Peng, Xutan Peng, Yifan Peng, Gerald Penn, Oren Pereg, Ethan Perez, Juan Antonio Perez-Ortiz, Gabriele Pergola, Charith Peris, Stanislav Peshterliev, Denis Peskoff, Ben Peters, Slav Petrov, Miriam R. L. Petruck, Pavel Petrushkov, Maxime Peyrard, Sandro Pezzelle, Jonas Pfeiffer, Quang Nhat Minh Pham, Thang Pham, Jason Phang, Maciej Piasecki, Massimo Piccardi, Matúš Pikuliak, Nisha Pillai, Tiago Pimentel, Juan Pino, Leticia Pinto-Alva, Irina Piontkovskaya, Telmo Pires, Flammie Pirinen, Jakub Piskorski, Lidia Pivovarovova, Daniel Platt, Laura Plaza, Flor Miriam Plaza-Del-Arco, Lahari Poddar, Massimo Poesio, Thierry Poibeau, Lucie Polakova, Marco Polignano, Senja Pollak, Maria Pontiki, Simone Paolo Ponzetto, Andrei Popescu-Belis, Maja Popović, Beatrice Portelli, Rafał Poświata, Martin Potthast, Christopher Potts, Amir Pouran Ben Veyseh, Rohit Prabhavalkar, Shrimai Prabhumoye, Aniket Pramanick, Soumajit Pramanik, Animesh Prasad, Radityo Eko Prasajo, Adithya Pratapa, Pavel Přibáň, Prokopis Prokopidis, Piotr Przybyła, Michal Ptaszynski, Dongqi Pu, Ratish Surendran Puddupully, Rajkumar Pujari, Stephen Pulman, Hemant Purohit, Alberto Purpura, Matthew Purver, James Pustejovsky, Valentina Pyatkin, Ehsan Qasemi, Fanchao Qi, Ji Qi, Jianzhong Qi, Jingyuan Qi, Shuhan Qi, Siya Qi, Wang Qi, Weizhen Qi, Chen Qian, Hongjin Qian, Jing Qian, Yujie Qian, Zhong Qian, Yaqiong Qiao, Bosheng Qin, Bowen Qin, Chuan Qin, Jinghui Qin, Kechen Qin, Libo Qin, Yujia Qin, Jieliu Qiu, Liang Qiu, Long Qiu, Xinying Qiu, Zhaopeng Qiu, Zimeng Qiu, Chen Qu, Tingyu Qu, Rakesh R. Menon, Ella Rabinovich, Alexandre Rademaker, Daniele Radicioni, Alessandro Raganato, Preethi Raghavan, Dinesh Raghu, Afshin Rahimi, Sunny Rai, Vyas Raina, Nishant Raj, Navid Rajabi, Hossein Rajaby Faghihi, Dheeraj Rajagopal, Kanagasabai Rajaraman, Taraka Rama, Heri Ramampiaro, Naveen Raman, Giulia Rambelli, Owen Rambow, Abhinav Ramesh Kashyap, Sahana Ramnath, Rita Ramos, Alan Ramponi, Tharindu Ranasinghe, Surangika Ranathunga, Priya Rani, Yanghui Rao, Okko Rasanen, Mohammad Sadegh Rasooli, Fedor Ratinikov, Vikas Raunak, Andrea Amelio Ravelli, Shauli Ravfogel, Manikandan Ravikiran, Srinivas Ravishankar, Bhanu Pratap Singh Rawat, Vipula Rawte, Soumya Ray, Jishnu Ray Chowdhury, Manny Rayner, Anastasiia Razdaibiedina, Yasaman Razeghi, Evgeniia Razumovskaia, Livy Real, Traian Rebedea, Gabor Recski, Hanumant Redkar, Michael Regan, Ines Rehbein, Georg Rehm, Machel Reid, Markus Reiter-Haas, Navid Rekabsaz, Da Ren, Feiliang Ren, Haopeng Ren, Liliang Ren, Pengjie Ren, Ruiyang Ren, Shuhuai Ren, Steven Rennie, Christian Retoré, Kiamehr Rezaee, Mehdi Rezagholizadeh, Ryokan Ri, Eugénio Ribeiro, Leonardo F. R. Ribeiro, Giuseppe Riccardi, Kyle Richardson, Caitlin Richter, Martin Riedl, Stefan Riezler, Davide Rigoni, Mattia Rigotti, Shruti Rijhwani, Matīss Rikters, Fabio Rinaldi, Ruty Rinott, Annette Rios, Anthony Rios, Elijah Rippeth, Andrey Risukhin, Yara Rizk, Brian Roark, Alvaro Rodrigo, Melissa Roemmele, Morteza Rohanian, Mukesh Kumar Rohil, Mahdin Rohmatillah, Paul Roit, Lina M. Rojas Barahona, Roland Roller, Julia Romberg, Salvatore Romeo, Julien Romero, Srikanth Ronanki, Md Rashad Al Hasan Rony, Tanya Roosta, Rudolf Rosa, Domenic Rosati, Guy Rosin, Alexis Ross, Robert Ross, Sophie Rosset, Paolo Rosso, Guy Rotman, Hossein Rouhizadeh, Dmitri Roussinov, Rachel Edita Roxas, Aurko Roy, Shamik Roy, Soumyadeep Roy, Sumegh Roychowdhury, Jos Rozen, Antoine Roze-

nknop, Yu-Ping Ruan, Susanna Rücker, Koustav Rudra, Amina Rufai, Federico Ruggeri, Ramon Ruiz-Dolz, Mukund Rungta, Josef Ruppenhofer, Benjamin Ruppik, Thomas Ruprecht, Alexander Rush, Irene Russo, Piotr Rybak, Maciej Rybinski, Maria Ryskina, Hadeel Saadany, Arkadiy Saakyan, Caroline Sabty, Devendra Sachan, Fatiha Sadat, Farig Sadeque, Arka Sadhu, Philipp Sadler, Sahar Sadrizadeh, Mehrnoosh Sadrzadeh, Niloofar Safi Samghabadi, Sylvie Saget, Alsu Sagirova, Amrita Saha, Punyajoy Saha, Sougata Saha, Swarnadeep Saha, Tanay Kumar Saha, Tulika Saha, Saurav Sahay, Gözde Şahin, Nihar Sahoo, Sovan Kumar Sahoo, Sunil Kumar Sahu, Surya Kant Sahu, Ananya Sai B, Oscar Sainz, Tarek Sakakini, Sakriani Sakti, Ander Salaberria, Julian Salazar, Elizabeth Salesky, Jonne Saleva, Avneesh Saluja, Tanja Samardžić, Rajhans Samdani, Younes Samih, Iñaki San Vicente, Abhilasha Sancheti, Vicente Ivan Sanchez Carmona, Danae Sánchez Villegas, Víctor M. Sánchez-Cartagena, German Sanchis-Trilles, Mario Sängler, Ananth Sankar, Chinnadhurai Sankar, Scott Sanner, Sashank Santhanam, Andrea Santilli, Diana Santos, Rodrigo Santos, Bishal Santra, Sebastin Santy, Soumya Sanyal, Maarten Sap, Naomi Saphra, Ruhi Sarikaya, Efsun Sarioglu Kayi, Anoop Sarkar, Kamal Sarkar, Ritesh Sarkhel, Prathusha K Sarma, Prof. Shikhar Kumar Sarma, Gabriele Sarti, Kengatharaiyer Sarveswaran, Sheikh Sarwar, Felix Sasaki, Minoru Sasaki, Shota Sasaki, Ryohei Sasano, Giorgio Satta, Danielle Saunders, Ketki Savle, Guergana Savova, Apoorv Saxena, Michael Saxon, Asad Sayeed, Shigehiko Schamoni, Wout Schellaert, Frank Schilder, David Schlangen, Viktor Schlegel, Michael Sejr Schlichtkrull, Jörg Schlötterer, Helmut Schmid, Robin Schmidt, Patricia Schmidtova, Martin Schmitt, Tyler Schnobelen, Stephanie Schoch, Annika Marie Schoene, Mirco Schoenfeld, Lenhart Schubert, Hendrik Schuff, William Schuler, Sabine Schulte Im Walde, Claudia Schulz, Hannes Schulz, Elliot Schumacher, Raphael Schumann, Sebastian Schuster, Ineke Schuurman, Jackson Scott, Kyle Seelman, Ethan Selfridge, Thibault Sellam, David Semedo, Nasredine Semmar, Cansu Sen, Srinivasan Sengamedu Hanumantha Rao, Ayan Sengupta, Shubhashis Sengupta, Rico Sennrich, Jaehyung Seo, Ronald Seoh, Yeon Seonwoo, Royal Sequiera, Sofia Serrano, Mahsa Shafaei, Stephen Shaffran, Simra Shahid, Omar Shaikh, Igor Shalyminov, Chao Shang, Mingyue Shang, Chenze Shao, Wei Shao, Yijia Shao, Yutong Shao, Ori Shapira, Aditya Sharma, Ashish Sharma, Piyush Sharma, Serge Sharoff, Tatiana Shavrina, Shuaijie She, Artem Shelmanov, Aili Shen, Hua Shen, Jiaming Shen, Jianhao Shen, Sheng Shen, Shiqi Shen, Siqi Shen, Tianhao Shen, Xudong Shen, Yatian Shen, Ying Shen, Yongliang Shen, Yuming Shen, Zejiang Shen, Zhengyuan Shen, Emily Sheng, Qiang Sheng, Ashish Shenoy, Tom Sherborne, Botian Shi, Bowen Shi, Chen Shi, Jihao Shi, Kaize Shi, Ning Shi, Peng Shi, Tian Shi, Tianze Shi, Weijia Shi, Xiao Shi, Yangyang Shi, Zhan Shi, Zhouxing Shi, Tomohide Shibata, Hidetoshi Shimodaira, Jamin Shin, Seungjae Shin, Kazutoshi Shinoda, Takahiro Shinozaki, Keiji Shinzato, Prashant Shiralkar, Yow-Ting Shiue, Harry Shomer, Ziyi Shou, Mohit Shridhar, Ritvik Shrivastava, Dimitar Shterionov, Kai Shu, Raphael Shu, Kai Shuang, Zeren Shui, Alexander Shvets, Chenglei Si, Suzanna Sia, Anthony Sicilia, A.b. Siddique, Melanie Siegel, Ingo Siegert, Alejandro Sierra-Múnera, Ankur Sikarwar, Sandipan Sikdar, Andrew Silva, João Ricardo Silva, Danilo Silva De Carvalho, Fabrizio Silvestri, Stefano Silvestri, Robert Sim, Michel Simard, Patrick Simianer, Dharani Simma, Dan Simonson, Edwin Simpson, Jyotika Singh, Mayank Singh, Pranaydeep Singh, Thoudam Doren Singh, Sneha Singhanian, Priyanka Sinha, Olivier Siohan, Amy Siu, Inguna Skadiņa, Gabriel Skantze, Victor Skobov, Aviv Slobodkin, Alisa Smirnova, David Smith, Noah A. Smith, Vésteinn Snæbjarnarson, Felipe Soares, Marco Antonio Sobrevilla Cabezudo, Artem Sokolov, Luca Soldaini, Amir Soleimani, Ilia Sominsky, Pia Sommerauer, Junyoung Son, Seonil (simon) Son, Youngseo Son, Haiyue Song, Haoyu Song, Hyeonho Song, Hyun-Je Song, Kai Song, Kaiqiang Song, Kaitao Song, Linfeng Song, Ran Song, Wei Song, Xiaohui Song, Yan Song, Yangqiu Song, Yifan Song, Zhenqiao Song, Sarvesh Soni, Shashank Sonkar, Taylor Sorensen, Ionut-Teodor Sorodoc, Alexey Sorokin, Daniil Sorokin, Anna Sotnikova, Xabier Soto, Sajad Sotudeh, Gerasimos Spanakis, Manuela Speranza, Andreas Spitz, Richard Sproat, Rachele Sprugnoli, Makesh Narsimhan Sreedhar, Mukund Srinath, Kavya Srinet, Balaji Vasanth Srinivasan, Tejas Srinivasan, Vijay Srinivasan, Ankit Srivastava, Saurabh Srivastava, Efstathios Stamatatos, Dominik Stammach, Karolina Stanczak, Marija Stanojevic, Gabriel Stanovsky, Katherine Sta-



saski, Manfred Stede, Julius Steen, Michal Štefánik, Shane Steinert-Threlkeld, Georg Stemmer, Evgeny Stepanov, Zachary Stine, Regina Stodden, Niklas Stoehr, Alessandro Stolfo, Matthew Stone, Shane Storks, Kevin Stowe, Marco Antonio Stranisci, Karl Stratos, Kristina Striegnitz, Phillip Ströbel, David Strohmaier, Jannik Strötgen, Tomek Strzalkowski, Sara Stymne, Dan Su, Hsuan Su, Qi Su, Qinliang Su, Ruolin Su, Xin Su, Ying Su, Yixuan Su, Yusheng Su, Nishant Subramani, Katsuhito Sudoh, Saku Sugawara, Hiroaki Sugiyama, Kazunari Sugiyama, Yoshi Suhara, Zhifang Sui, Octavia Şulea, Elior Sulem, Md Arafat Sultan, Aixin Sun, Changzhi Sun, Chengjie Sun, Chenkai Sun, Guangzhi Sun, Haipeng Sun, Hao Sun, Hao Sun, Haohai Sun, Jian Sun, Jiao Sun, Ming Sun, Mingwei Sun, Qingfeng Sun, Renliang Sun, Shichao Sun, Simeng Sun, Tianxiang Sun, Weiwei Sun, Zewei Sun, Zhaoyue Sun, Zhiqing Sun, Dhanasekar Sundararaman, Mujeen Sung, Yi-Lin Sung, Yoo Yeon Sung, Hanna Suominen, Marek Suppa, Benjamin Suter, Mirac Suzgun, Sandesh Swamy, Stan Szpakowicz, Piotr Szymański, Anaïs Tack, Oyvind Tafjord, Shabnam Tafreshi, Dima Taji, Sho Takase, Ece Takmaz, George Tambouratzis, Aleš Tamchyna, Aniruddha Tammewar, Akihiro Tamura, Chao-Hong Tan, Haochen Tan, Hongye Tan, Samson Tan, Wei Tan, Xiao Tan, Ryota Tanaka, Karan Taneja, Buzhou Tang, Chengguang Tang, Gongbo Tang, Hao Tang, Jialong Tang, Raphael Tang, Shuai Tang, Tianyi Tang, Wei Tang, Xiangyun Tang, Xuemei Tang, Xunzhu Tang, Yun Tang, Yun Tang, Zheng Tang, Simon Tannert, Chaofan Tao, Wei Tao, Allahsera Auguste Tapo, Shiva Taslimipoor, Sandeep Tata, Michiaki Tatsubori, Marta Tatu, Simone Tedeschi, Selma Tekir, Serra Sinem Tekiroğlu, Zhiyang Teng, Ian Tenney, Alberto Testoni, Joel Tetreault, Martin Teuffenbach, Kapil Thadani, Katherine Thai, Urmish Thakker, Surendrabikram Thapa, Avijit Thawani, Anton Thielmann, Krishnaprasad Thirunarayan, Brian Thompson, Jana Thompson, Craig Thomson, Sam Thomson, David Thulke, Chang Tian, Yuanhe Tian, Zhiliang Tian, Zuoyu Tian, Jörg Tiedemann, Christoph Tillmann, Tiago Timponi Torrent, Prayag Tiwari, Amalia Todirascu, Nadi Tomeh, Nicholas Tomlin, Antonio Toral, Cagri Toraman, Manabu Torii, Kentaro Torisawa, Juan-Manuel Torres-Moreno, Lucas Torroba Hennigen, Shubham Toshniwal, Samia Touileb, Yannick Toussaint, Benjamin Towle, Amine Trabelsi, Khanh Tran, Trang Tran, Marcos Treviso, Jan Trienes, Bayu Distiawan Trisedya, Harsh Trivedi, Enrica Troiano, Chen-Tse Tsai, Adam Tsakalidis, Bo-Hsiang Tseng, Ioannis Tsiamas, Masaaki Tsuchida, Oren Tsur, Satoshi Tsutsui, Jingxuan Tu, Kewei Tu, Lifu Tu, Yunbin Tu, Yi-Lin Tuan, Marco Turchi, Ferhan Ture, Elena Tutubalina, Rutuja Ubale, Ana Sabina Uban, Adrian Ulges, Eddie Ungless, Bhargav Upadhyay, Kartikeya Upasani, Olga Uryupina, Asahi Ushio, Dmitry Ustalov, Ahmet Üstün, Masao Utiyama, Venktesh V, Saujas Vaduguru, Ashwini Vaidya, Marco Valentino, Gisela Vallejo, Jannis Vamvas, Tim Van De Cruys, Antal Van Den Bosch, Rob Van Der Goot, Daan Van Esch, Josef Van Genabith, Emiel Van Miltenburg, Rik Van Noord, Vincent Vandeghinste, Keith Vanderlinden, David Vandyke, Natalia Vanetik, Eva Vanmassenhove, Daniel Varab, Francielle Vargas, Siddharth Varia, Neeraj Varshney, Rossella Varvara, Siddharth Vashishtha, Jake Vasilakes, Eva Maria Vecchi, Nikhita Vedula, Aswathy Velutharambath, Giulia Venturi, Gaurav Verma, Rakesh Verma, Yannick Versley, Anvesh Rao Vijjini, David Vilares, Jesús Vilares, Manuel Vilares Ferro, Martina Vilas, Veronika Vincze, Lucas Vinh Tran, Sami Virpioja, Juraj Vladika, Nikolai Vogler, Rob Voigt, Pius Von Däniken, Spencer Von Der Ohe, Nikos Voskarides, Ali Vosoughi, Pavlos Vougiouklis, Thuy Vu, Thuy-Trang Vu, Yogarshi Vyas, Akifumi Wachi, Takashi Wada, Joachim Wagner, Jan Philip Wahle, Hiromi Wakaki, David Wan, Stephen Wan, Xingchen Wan, Yao Wan, Yu Wan, Ante Wang, Bailin Wang, Bang Wang, Baoxin Wang, Baoxun Wang, Beilun Wang, Benyou Wang, Bin Wang, Bin Wang, Bingqing Wang, Bingyu Wang, Bo Wang, Bo Wang, Boxin Wang, Chao Wang, Chengyi Wang, Chengyu Wang, Chuan-Ju Wang, Chunliu Wang, Cunxiang Wang, Dingquan Wang, Fei Wang, Guangrun Wang, Guoyin Wang, Hai Wang, Han Wang, Han Wang, Han Wang, Hanrui Wang, Hao Wang, Haobo Wang, Haoyu Wang, Haoyu Wang, Haoyu Wang, Heyuan Wang, Hong Wang, Hongfei Wang, Hsin-Min Wang, Huimin Wang, Jiaan Wang, Jian Wang, Jianing Wang, Jianyu Wang, Jianzong Wang, Jiayi Wang, Jie Wang, Jin Wang, Jin Wang, Jinpeng Wang, Jue Wang, Jun Wang, Lei Wang, Liang Wang, Lidan Wang, Lingzhi Wang, Longshaokan Wang, Longyue Wang, Meiqi Wang, Peifeng Wang, Pidong Wang, Ping Wang, Qiang Wang, Qingyun Wang, Qiqi

Wang, Rui Wang, Rui Wang, Runze Wang, Ryan Wang, Shufan Wang, Shuhe Wang, Shuo Wang, Sijia Wang, Sirui Wang, Tao Wang, Tianduo Wang, Tianlu Wang, Wei Wang, Wen Wang, Wenping Wang, Wenxuan Wang, Wenya Wang, Xiangdong Wang, Xiao Wang, Xiaojie Wang, Xiaolin Wang, Xiaozhi Wang, Xin Wang, Xindi Wang, Xing Wang, Xingjin Wang, Xintong Wang, Xinyi Wang, Xinyu Wang, Xuwei Wang, Xun Wang, Yan Wang, Yanlin Wang, Yanshan Wang, Ye Wang, Ye Wang, Yibo Wang, Yifan Wang, Yigong Wang, Yihan Wang, Yiwei Wang, Yizhong Wang, Yue Wang, Yun Cheng Wang, Yuxuan Wang, Zekun Wang, Zhaowei Wang, Zhen Wang, Zheng Wang, Zheng Wang, Zhenhailong Wang, Zhenyi Wang, Zhichun Wang, Zhiguang Wang, Zhilin Wang, Zhiqiang Wang, Zhiwei Wang, Zhuoer Wang, Zhuoyi Wang, Zifeng Wang, Zihan Wang, Zihan Wang, Zihao Wang, Zijian Wang, Zijie Wang, Zilong Wang, Zirui Wang, Prashan Wanigasekara, Leo Wanner, Alex Warstadt, Cedric Waterschoot, Julia Watson, Bonnie Webber, Leon Weber, Albert Webson, Kellie Webster, Tharindu Cyril Weerasooriya, Chengkun Wei, Jerry Wei, Lingwei Wei, Penghui Wei, Tianxin Wei, Xiangpeng Wei, Xiaochi Wei, Shira Wein, Nathaniel Weir, Henry Weld, Orion Weller, Marion Weller-Di Marco, Simon Wells, Bingyang Wen, Haoyang Wen, Jiaxin Wen, Liang Wen, Lijie Wen, Rongxiang Weng, Lukas Wertz, Peter West, Matthijs Westera, Jennifer C. White, Richard Wicentowski, Michael Wiegand, Ethan Wilcox, Rodrigo Wilkens, Bram Willemsen, Ronald Wilson, Shomir Wilson, Steven Wilson, Grégoire Winterstein, Shuly Wintner, Sam Wiseman, Guillaume Wisniewski, Emilia Wisnios, Tomer Wolfson, Marcin Woliński, Diedrich Wolter, Derek F. Wong, Ka Ho Wong, Raymond Wong, Tak-Lam Wong, Alina Wróblewska, Anna Wroblewska, Anne Wu, Bowen Wu, Changxing Wu, Chen Wu, Chen Henry Wu, Chien-Sheng Wu, Chuhan Wu, Di Wu, Di Wu, Fangzhao Wu, Hua Wu, Hui Wu, Junda Wu, Ledell Wu, Lianwei Wu, Linzhi Wu, Shengqiong Wu, Shih-Hung Wu, Sixing Wu, Stephen Wu, Te-Lin Wu, Tianxing Wu, Ting-Wei Wu, Weibin Wu, Wenhao Wu, Winston Wu, Xian Wu, Xianchao Wu, Xin Wu, Xixin Wu, Yang Wu, Yangjun Wu, Yaoyao Wu, Yike Wu, Yimeng Wu, Youzheng Wu, Yu Wu, Yuanbin Wu, Yuexin Wu, Yunfang Wu, Yuting Wu, Yuxiang Wu, Zeqiu Wu, Zhaofeng Wu, Zhen Wu, Zhijing Wu, Zhiyong Wu, Zhiyong Wu, Zhizheng Wu, Zhuofeng Wu, Zihao Wu, Zixiu Wu, Jian Xi, Zhaohan Xi, Fei Xia, Menglin Xia, Mengzhou Xia, Patrick Xia, Qingrong Xia, Yingce Xia, Anhao Xiang, Jiannan Xiang, Suncheng Xiang, Changrong Xiao, Chaojun Xiao, Chunyang Xiao, Jinfeng Xiao, Jing Xiao, Jinghui Xiao, Min Xiao, Yanghua Xiao, Zhaomin Xiao, Jun Xie, Kaige Xie, Ning Xie, Ruobing Xie, Shangyu Xie, Yiqing Xie, Yuqing Xie, Yuxi Xie, Zhiwen Xie, Zhouhang Xie, Ji Xin, Chen Xing, Linzi Xing, Zhenchang Xing, Bo Xiong, Chao Xiong, Jing Xiong, Kai Xiong, Wenhan Xiong, Binfeng Xu, Boyan Xu, Canwen Xu, Chen Xu, Chenchen Xu, Chunpu Xu, Dongfang Xu, Fan Xu, Fangyuan Xu, Frank F. Xu, Guandong Xu, Guangyue Xu, Hanzhi Xu, Hongfei Xu, Hongzhi Xu, Jiacheng Xu, Jiashu Xu, Jin Xu, Jinan Xu, Jitao Xu, Jun Xu, Kang Xu, Keyang Xu, Kun Xu, Lei Xu, Lu Xu, Mingbin Xu, Mingzhou Xu, Nan Xu, Peng Xu, Peng Xu, Qiongfai Xu, Ruifeng Xu, Ruochen Xu, Shicheng Xu, Wang Xu, Weiran Xu, Weiwen Xu, Wenda Xu, Wenduan Xu, Xiao Xu, Xinnuo Xu, Yan Xu, Yang Xu, Yang Xu, Yi Xu, Yige Xu, Yiheng Xu, Yumo Xu, Zhen Xu, Zhenhui Xu, Zhichao Xu, Zhiyang Xu, Fuzhao Xue, Nianwen Xue, Shan Xue, Deshraj Yadav, Prateek Yadav, Yadollah Yaghoobzadeh, Bryce Yahn, Ikuya Yamada, Ivan Yamshchikov, An Yan, Hang Yan, Hanqi Yan, Jianhao Yan, Jun Yan, Lingyong Yan, Xifeng Yan, Xu Yan, Zhao Yan, Hitomi Yanaka, An Yang, Cheng Yang, Dejie Yang, Eugene Yang, Fan Yang, Guanqun Yang, Haoran Yang, Jian Yang, Jian Yang, Jianing Yang, Jie Yang, Jingfeng Yang, Jun Yang, Kexin Yang, Li Yang, Liner Yang, Linyi Yang, Liu Yang, Longfei Yang, Nan Yang, Sen Yang, Songlin Yang, Tsung-Yen Yang, Wei Yang, Wenmian Yang, Xianjun Yang, Xiaocong Yang, Yaqin Yang, Yazheng Yang, Yiben Yang, Yinfei Yang, Yuanhang Yang, Yue Yang, Zhao Yang, Zixiaofan Yang, Zonglin Yang, Ken Yano, Tae Yano, Barry Yao, Bingsheng Yao, Liang Yao, Peiran Yao, Zijun Yao, Mahsa Yarmohammadi, Bingyang Ye, Fanghua Ye, Hai Ye, Jiacheng Ye, Jiasheng Ye, Junjie Ye, Muchao Ye, Qinyuan Ye, Rong Ye, Seonghyeon Ye, Wei Ye, Wenting Ye, Xi Ye, An-Zi Yen, Jinyoung Yeo, Yu Ting Yeung, Jingwei Yi, Xiaoyuan Yi, Wen-Wai Yim, Seid Muhie Yimam, Chuantao Yin, Congchi Yin, Fan Yin, Kayo Yin, Qingyu Yin, Wenjie Yin, Xuwang Yin, Yu Yin, Yuwei Yin, Jiahao Ying, Anssi Yli-Jyra, Michael Yoder, Hikaru Yokono, Zheng Xin

Yong, Kiyoon Yoo, Soyeop Yoo, Seunghyun Yoon, Sunjae Yoon, Susik Yoon, Wonjin Yoon, Naoki Yoshinaga, Koichiro Yoshino, Chenyu You, Haoxuan You, Weiqiu You, Steve Young, Tom Young, Abdou Youssef, Bei Yu, Changlong Yu, Cheng Yu, Dian Yu, Dong Yu, Heng Yu, Jianfei Yu, Jifan Yu, Liang-Chih Yu, Nan Yu, Ning Yu, Pengfei Yu, Philip Yu, Shoubin Yu, Tao Yu, Tiezheng Yu, Tong Yu, Wenhao Yu, Xiaodong Yu, Xincheng Yu, Yue Yu, Zac Yu, Zhiwei Yu, Bo Yuan, Caixia Yuan, Chenhan Yuan, Fei Yuan, Jianhua Yuan, Lifan Yuan, Nicholas Jing Yuan, Xiaojie Yuan, Ye Yuan, Zheng Yuan, Chuan Yue, Tianwei Yue, Mert Yuksekgonul, Hyeongu Yun, Frances Yung, Polina Zablotskaia, Ofir Zafrir, Wajdi Zaghouni, Hamada Zahera, Nasser Zalmout, Olga Zamarava, Roberto Zamparelli, Fabio Massimo Zanzotto, Alessandra Zarccone, Sina Zarriß, Vicky Zayats, Albin Zehe, Eric Zelikman, Yury Zemlyanskiy, Jiali Zeng, Jiandian Zeng, Kaisheng Zeng, Qi Zeng, Qingkai Zeng, Weixin Zeng, Xingshan Zeng, Yan Zeng, Yawen Zeng, Ziqian Zeng, Deniz Zeyrek, Zenan Zhai, Haolan Zhan, Jingtao Zhan, Pengwei Zhan, Runzhe Zhan, Aston Zhang, Biao Zhang, Boliang Zhang, Bowen Zhang, Bowen Zhang, Chao Zhang, Chen Zhang, Chen Zhang, Chenwei Zhang, Chiyu Zhang, Dan Zhang, Duzhen Zhang, Fan Zhang, Ge Zhang, Hainan Zhang, Hao Zhang, Haopeng Zhang, Hongkuan Zhang, Jieyu Zhang, Jinchao Zhang, Jingqing Zhang, Junchi Zhang, Junwen Zhang, Kai Zhang, Ke Zhang, Kechi Zhang, Kun Zhang, Lei Zhang, Li Zhang, Licheng Zhang, Lingyu Zhang, Lining Zhang, Longhui Zhang, Meng Zhang, Michael Zhang, Mike Zhang, Min Zhang, Qi Zhang, Qiao Zhang, Ran Zhang, Richong Zhang, Rongsheng Zhang, Ruisi Zhang, Ruiyi Zhang, Ruohong Zhang, Ruoyu Zhang, Shaokun Zhang, Shaolei Zhang, Sheng Zhang, Shiyue Zhang, Shuai Zhang, Shujian Zhang, Shuo Zhang, Songming Zhang, Tianlin Zhang, Tianyi Zhang, Tongtao Zhang, Wei Zhang, Wei Emma Zhang, Wen Zhang, Wenqiang Zhang, Wenxuan Zhang, Xiangliang Zhang, Xiaojun Zhang, Xiaoqiang Zhang, Xin Zhang, Xinbo Zhang, Xinliang Frederick Zhang, Xinsong Zhang, Xuanwei Zhang, Yan Zhang, Yan Zhang, Yanzhe Zhang, Yichi Zhang, Yifan Zhang, Yiming Zhang, Ying Zhang, Yong Zhang, Yu Zhang, Yuan Zhang, Yuan Zhang, Yuanzhe Zhang, Yue Zhang, Yuhao Zhang, Yuhui Zhang, Yun Zhang, Yunqi Zhang, Yunxiang Zhang, Yunyi Zhang, Yuqi Zhang, Yusen Zhang, Yuxiang Zhang, Yuxin Zhang, Zequn Zhang, Zhengkun Zhang, Zhengyan Zhang, Zhixin Zhang, Zhihan Zhang, Zhirui Zhang, Zhisong Zhang, Zhiyuan Zhang, Zhuosheng Zhang, Bing Zhao, Chao Zhao, Fei Zhao, Guangxiang Zhao, Jeffrey Zhao, Jiahao Zhao, Jianyu Zhao, Jieyu Zhao, Jinming Zhao, Kai Zhao, Kaiqi Zhao, Mengjie Zhao, Qinghua Zhao, Ruihui Zhao, Sanqiang Zhao, Shuai Zhao, Shuai Zhao, Tiancheng Zhao, Tianyu Zhao, Wenting Zhao, Xiaoyan Zhao, Xinran Zhao, Xueliang Zhao, Yang Zhao, Yangyang Zhao, Yiyun Zhao, Yu Zhao, Yunlong Zhao, Zhixue Zhao, Zhuanzhe Zhao, Boyuan Zheng, Changmeng Zheng, Chujie Zheng, Jing Zheng, Junhao Zheng, Kai Zheng, Rui Zheng, Xianrui Zheng, Xiaosen Zheng, Xin Zheng, Xinyi Zheng, Yinhe Zheng, Zaixiang Zheng, Jialun Zhong, Ming Zhong, Ruiqi Zhong, Victor Zhong, Wanjun Zhong, Yang Zhong, Zexuan Zhong, Baohang Zhou, Ben Zhou, Daniel Xiaodan Zhou, Deyu Zhou, Dong Zhou, Giulio Zhou, Guangyou Zhou, Han Zhou, Jiawei Zhou, Jiawei Zhou, Jie Zhou, Jinfeng Zhou, Jingbo Zhou, Jingyan Zhou, Junpei Zhou, Junsheng Zhou, Kankan Zhou, Kun Zhou, Lexin Zhou, Pei Zhou, Peilin Zhou, Peng Zhou, Qiang Zhou, Qingyu Zhou, Shuchang Zhou, Shuyan Zhou, Tong Zhou, Wangchunshu Zhou, Wenjie Zhou, Wenxuan Zhou, Xiang Zhou, Xiangyang Zhou, Xixi Zhou, Yangqiaoyu Zhou, Yi Zhou, Yi Zhou, Yichao Zhou, Yichu Zhou, Yucheng Zhou, Yufan Zhou, Zhengyu Zhou, Zhihan Zhou, Zhong Zhou, Dawei Zhu, Fangwei Zhu, Haichao Zhu, Kenny Zhu, Linchao Zhu, Luyao Zhu, Muhua Zhu, Pengcheng Zhu, Qi Zhu, Qiannan Zhu, Qingfu Zhu, Su Zhu, Suyang Zhu, Tong Zhu, Wang Zhu, Wanzheng Zhu, Wei Zhu, Wenhao Zhu, Xiaodan Zhu, Xiaofeng Zhu, Xuan Zhu, Yilun Zhu, Yutao Zhu, Zining Zhu, Fuzhen Zhuang, Honglei Zhuang, Yimeng Zhuang, Yuan Zhuang, Yuchen Zhuang, Caleb Ziems, Leonardo Zilio, Heike Zinsmeister, Ayah Zirikly, Yftah Ziser, Imed Zitouni, Shi Zong, Bowei Zou, Wei Zou, Yicheng Zou, Amal Zouaq, Vilém Zouhar, Andrej Zukov Gregoric, Simiao Zuo, Xinyu Zuo

## Secondary Reviewers

Sharon Adar, Sneha Agarwal, Utkarsh Agarwal, Akiko Aizawa, Christopher Akiki, Ilseyar Ali-

mová, Falah Amro, Miriam Anschütz, William Armstrong, Yuya Asano, Md Rabiul Awal, An-sar Aynetdinov, Andrea Bacciu, Yin hao Bai, Oliver Baumann, Alessandro De Bellis, Guillaume Le Berre, Marie Bex te, Hanoz Bhat hena, Abari Bhattacharya, Mukul Bhutani, Verena Blaschke, Moritz Blum, Marc Brinner, Reynier Ortega Bueno, Kishan K C, Mingchen Cai, Yucheng Cai, Paul Caillon, Eduardo Calò, Marco Casavantes, Giulia Cassara, Roman Castagné, Brittany Cates, Amanda Chan, Ayon Chattopadhyay, Huiyao Chen, Liang Chen, Pei Chen, Tianyu Chen, Tongfei Chen, Weidong Chen, Xi Chen, Xingyu Chen, Yuan Chen, Yue Chen, Zhenghan Chen, Zhi Chen, Zhijia Chen, Zhikai Chen, Zifeng Cheng, Jae Sook Cheong, Lin Lee Cheong, Yan Kin Chi, Hanjun Cho, Eunsenog Choi, Sahil Chopra, Rennan Cordeiro, Matthias Cosler, Adrian Cosma, Liam Cripwell, Yudivián Almeida Cruz, Israel Cuevas, Shih-Chieh Dai, Yinpei Dai, Parag Dakle, Niklas Deckers, Zhongfen Deng, Sourabh Deoghare, Simma Dharani, Harshita Diddee, Qiuyu Ding, Yu-ning Ding, Zixiang Ding, Mingwen Dong, Kefei Duan, Fanny Ducel, Tobias Eder, Pavel Efimov, Suilan Estevez-Velarde, Saad Ezzini, Maurice Falk, Meng Fan, Ziwei Fan, Qingkai Fang, Moh-sen Fayyaz, James Finch, Sarah Finch, Sheema Firdous, Martina Forster, Cady Gansen, Alberto Gasparin, Qiming Ge, Shiping Ge, Kinga Gémes, Lei Geng, Yaroslav Getman, Sadaf Ghaffari, Sarvjeet Singh Ghotra, Lukas Gienapp, Jonas Golde, Mahsa Goodarzi, Shuhao Gu, Gael Guibon, Mika Hämäläinen, Kelvin Han, Shiyi Han, Yu Han, Sami Ul Haq, Bradley Hauer, Hui He, Junyi He, Yunjie He, Zhiwei He, Julien Heitmann, Alexander Henlein, Ondřej Herman, Xanh Ho, Julian Hoellig, Chun-Cheng Hsieh, Echo Hu, Langlin Huang, Shih-Cheng Huang, Shuyan Huang, Yerin Hwang, Radu Cristian Alexandru Iacob, Etsuko Ishii, Itay Itzhak, Adam Ivankay, Nazanin Jafari, Anubhav Jangra, Seongjun Jeong, Tianbo Ji, Qi Jia, Yiren Jian, Chengyue Jiang, Junfeng Jiang, Yiwei Jiang, Hailong Jin, Omisa Jinsi, Richard Jonker, Minjoon Jung, Danial Kamali, Jeongwoo Kang, Beatrice Kanyi, Abhinav Ramesh Kashyap, Prachuryya Kaushik, Joschka Kersting, Shamir Khandaker, Aditi Khandelwal, Niama El Khbir, Sopan Khosla, Mohammad Khosravani, Hajung Kim, Hyunjong Kim, Jeonghwan Kim, Jiwoo Kim, Seungone Kim, Yongil Kim, Youngbin Kim, Chaitanya Kirti, Xenia Klinge, Erik Körner, Ádám Kovács, Vojtěch Kovář, Shachi H Kumar, Vivek Kumar, Gitanjali Kumari, Maddalen López De Lacalle, Jack Lanchantin, Loic De Langhe, Anna Laskina, Chaeun Lee, Dongryeol Lee, Kang-Il Lee, Sunkyung Lee, Yongjae Lee, Els Lefever, Zhihong Lei, Elisa Leonardelli, Hang Li, Jiazhao Li, Junlong Li, Mengyu Li, Minghan Li, Senyu Li, Shiyang Li, Shuqin Li, Wenyan Li, Xinhang Li, Yan Li, Yichen Li, Yichuan Li, Yunshui Li, Zekun Li, Zhaoqun Li, Zhuoqun Li, Zitong Li, Zhenwen Liang, Ruotong Liao, Boda Lin, Jiuheng Lin, Hali Lindsay, Alisa Liu, Andy T. Liu, Hong Liu, Hongyi Liu, Huijun Liu, Mengying Liu, Zhexiong Liu, Alessandro Locaputo, Roberto López, Sebastian Lopez-Cot, Yuze Lou, Xuantao Lu, Kamile Lukosiute, Gunnar Lund, Chu Fei Luo, Haoran Luo, Xin Lv, Congbo Ma, Da Ma, An-drew Mackey, Hiren Madhu, Daniele Malitesta, Oscar Mañas, Fabienne Marco, Salima Mdhaffar, Marek Medveď, Nikhil Mehta, Di Mei, Althis Mendes, Augusto Mendes, Stefano Menini, Elena Merdjanovska, Hossein Mohammadi, Samraj Moorjani, Yusuke Mori, Durgesh Nandini, Gaurav Negi, Hoang Nguyen, Vincent Nguyen, Feng Nie, Anna Nikiforovskaya, Jingcheng Niu, Gibson Nkhata, Rik Van Noord, Michael Ogezi, Olubusayo Olabisi, Katrina Olsen, Talgat Omarov, An-dreas Opedal, Junshu Pan, Suehyun Park, Daraksha Parveen, Maya Pavlova, Diogo Pernes, Jan Pfister, Alejandro Piad-Morffis, Max Ploner, Alexander Podolskiy, Dejan Porjazovski, Pradyot Prakash, Adrien Pupier, Maarten De Raedt, Pétur Orri Ragnarsson, Sai Krishna Rallabandi, Leo-nardo Ranaldi, Abhinav Rao, Anton Razzhigaev, Sebastian Reimann, Raphael Reinauer, François Remy, Jiaqian Ren, Siyu Ren, Akseli Reunamo, Valentin Richard, Ruty Rinott, Elsa Rizk, Giu-lia Rizzi, Sean Robertson, Cristian Rodriguez, Sudipta Singha Roy, Susanna Rücker, Elena Sofia Ruzzetti, Tasnim Kabir Sadik, Joy Sain, Jose Ignacio Abreu Salas, Hossein Salemi, Mufan Sang, Twisampati Sarkar, Simone Scaboro, Felix Schmidt, Frederik Schmitt, Christopher Schröder, Si-meon Schütz, Nina Seemann, Vincent Segonne, Yasas Senarath, Ashish Seth, Silvio Severino, Lele Sha, Stephen Shaffran, Anastassia Shaitarova, Hee Ming Shan, Kai Shen, Xingyu Shen, Shuqian Sheng, Kaize Shi, Ke Shi, Yuanjun Shi, Yuxuan Shu, Lucas Dos Santos Silva, Harmanpreet Singh, Pranaydeep Singh, Salam Michael Singh, Justin Sirbu, Sonish Sivarajkumar, Mohamed Soliman,

Chenyang Song, Kunzhe Song, William Soto, Florian Steuber, Manuel Stoeckel, Vit Suchomel, Bin Sun, Changzhi Sun, Cong Sun, Jingdong Sun, Qiujie Sun, Xiaohui Sun, Xueyao Sun, Shahbaz Syed, Zhaoxuan Tan, Shaowen Tang, Ziming Tang, Kumar Tanmay, Jingxuan Tu, Sichang Tu, Xiao Chi Tu, Mehmet Deniz Turkmen, Sagar Uprety, Hannah Vanderhoeven, Julien Velcin, Elad Venezian, Radhakrishnan Venkatakrishnan, Ivo Vigan, Fedor Vitiugin, Nikolas Vitsakis, Xiangpeng Wan, An Wang, Bingyu Wang, Cong Wang, Haoran Wang, Hu Wang, Junlin Wang, Junting Wang, Ke Wang, Lei Wang, Lingzhi Wang, Qianli Wang, Ruofan Wang, Shih-Heng Wang, Teng Wang, Weizhi Wang, Xinyou Wang, Yigong Wang, Yiming Wang, Yueguan Wang, Zihao Wang, Haitian Wei, Martyna Wiacek, Ronald Wilson, Moritz Wolf, Haibin Wu, Jay Zhangjie Wu, Jian Wu, Yexin Wu, Yuan-Kuei Wu, Siyuan Xiang, Yang Xiao, Yao Xiao, Zhouhang Xie, Benfeng Xu, Chenwei Xu, Kaishuai Xu, Yuzhuang Xu, Zhichao Xu, Zhiyang Xu, Bo Xue, Siyuan Xue, Xiaojun Xue, Baosong Yang, Kaiqi Yang, Shiping Yang, Yanjie Yang, Yinguang Yang, Jiarui Yao, Bingyang Ye, Yongjing Yin, Yuwei Yin, Tarik Yousef, Guoxin Yu, Nan Yu, Tiezheng Yu, Zhengqing Yuan, Klim Zaporozjets, Urchade Zaratiana, Omnia Zayed, Weihao Zeng, Ge Zhang, Hanlei Zhang, Jingyu Zhang, Le Zhang, Mian Zhang, Qi Zhang, Ruike Zhang, Songyang Zhang, Tao Zhang, Weijia Zhang, Yidan Zhang, Yunan Zhang, Zhiling Zhang, Ziheng Zhang, Ziqiing Zhang, Ziqing Zhang, Honghong Zhao, Jiahao Zhao, Jinman Zhao, Siyang Zhao, Wei Zhao, Xingmeng Zhao, Yingxiu Zhao, Yu Zhao, Gui Zhen, Kangjie Zhen, Kai Zheng, Kaiwen Zhou, Terry Zhou, Zhengping Zhou, Zhijie Zhou, Ming Zhu, Zhihong Zhu, Haojie Zhuang, Anni Zou

# Keynote Talk: Two Paths to Intelligence

**Geoffrey Hinton**

University of Toronto (emeritus)



**Monday, July 10 – Time: 9:30 - 10:30 EDT – Room: Metropolitan**

**Abstract:** I will briefly describe the forty year history of neural net language models with particular attention to whether they understand what they are saying. I will then discuss some of the main differences between digital and biological intelligences and speculate on how the brain could implement something like transformers. I will conclude by addressing the contentious issue of whether current multimodal LLMs have subjective experience.

**Bio:** Geoffrey Hinton received his PhD in Artificial Intelligence from Edinburgh in 1978. After five years as a faculty member at Carnegie-Mellon he became a fellow of the Canadian Institute for Advanced Research and moved to the University of Toronto where he is now an emeritus professor. He is also the Chief Scientific Adviser at the Vector Institute.

He was one of the researchers who introduced the backpropagation algorithm and the first to use backpropagation for learning word embeddings. His other contributions to neural network research include Boltzmann machines, distributed representations, time-delay neural nets, mixtures of experts, variational learning and deep learning. His research group in Toronto made major breakthroughs in deep learning that revolutionized speech recognition and object classification.

He is a fellow of the UK Royal Society and a foreign member of the US National Academy of Engineering, the US National Academy of Sciences and the American Academy of Arts and Sciences. His awards include the David E. Rumelhart prize, the IJCAI award for research excellence, the Killam prize for Engineering, the Royal Society Royal Medal, the NSERC Herzberg Gold Medal, the IEEE James Clerk Maxwell Gold medal, the NEC C&C award, the BBVA award, the Honda Prize and the Turing Award.

# Keynote Talk: Large Language Models as Cultural Technologies: Imitation and Innovation in Children and Models

Alison Gopnik

University of California at Berkeley



Wednesday, July 12 – Time: 14:00 - 15:00 EDT – Room: Metropolitan

**Abstract:** It's natural to ask whether large language models like LaMDA or GPT-3 are intelligent agents. But I argue that this is the wrong question. Intelligence and agency are the wrong categories for understanding them. Instead, these AI systems are what we might call cultural technologies, like writing, print, libraries, internet search engines or even language itself. They are new techniques for passing on information from one group of people to another. Cultural technologies aren't like intelligent humans, but they are essential for human intelligence. Many animals can transmit some information from one individual or one generation to another, but no animal does it as much as we do or accumulates as much information over time. New technologies that make cultural transmission easier and more effective have been among the greatest engines of human progress, but they have also led to negative as well as positive social consequences. Moreover, while cultural technologies allow transmission of existing information, cultural evolution, which is central to human success, also depends on innovation, exploration and causal learning. Comparing LLM's responses in prompts based on developmental psychology experiments to the responses of children may provide insight into which capacities can be learned through language and cultural transmission, and which require innovation and exploration in the physical world. I will present results from several studies making such comparisons.

**Bio:** Alison Gopnik is a professor of psychology and affiliate professor of philosophy at the University of California at Berkeley, and a member of the Berkeley AI Research Group. She received her BA from McGill University and her PhD. from Oxford University. She is a leader in the study of cognitive science and of children's learning and development and was one of the founders of the field of "theory of mind", an originator of the "theory of cognitive development", and the first to apply Bayesian probabilistic models to children's learning. She has received both the APS Lifetime Achievement Cattell and William James Awards, the Bradford Washburn Award for Science Communication, and the SRCD Lifetime Achievement Award for Basic Science in Child Development. She is an elected member of the Society of Experimental Psychologists and the American Academy of Arts and Sciences and a Cognitive Science Society, American Association for the Advancement of Science, and Guggenheim Fellow. She was 2022-23 President of the Association for Psychological Science.

She is the author or coauthor of over 140 journal articles and several books including "Words, thoughts and theories" MIT Press, 1997, and the bestselling and critically acclaimed popular books "The Scientist in the Crib" William Morrow, 1999, "The Philosophical Baby; What children's minds tell us about love,

truth and the meaning of life” 2009, and “The Gardener and the Carpenter” 2016, Farrar, Strauss and Giroux, the latter two won the Cognitive Development Society Best Book Prize in 2009 and 2016. Since 2013 she has written the Mind and Matter column for the Wall Street Journal and she has also written widely about cognitive science and psychology for The New York Times, The Economist, The Atlantic, The New Yorker, Scientific American, The Times Literary Supplement, The New York Review of Books, New Scientist and Slate, among others. Her TED talk on her work has been viewed more than 5.2 million times. She has frequently appeared on TV, radio and podcasts including “The Charlie Rose Show”, “The Colbert Report”, “Radio Lab” and “The Ezra Klein Show”. She lives in Berkeley with her husband Alvy Ray Smith and has three children and five grandchildren.



# The Future of Computational Linguistics in the LLM Age

## Panel Discussion

**Chair: Iryna Gurevych**

Technische Universität Darmstadt

**Tuesday, July 11 - Time: 14:45-15:45**

This is a panel discussion with:

- Dan Klein (UC Berkeley)
- Meg Mitchell (Hugging Face)
- Roy Schwartz (the Hebrew University of Jerusalem)

They will present short statements (5 to 7 min.) related to the main topic of the panel

- New opportunities (e.g., artificial general intelligence, responsible NLP);
- Technical challenges (e.g., multimodality, instruction-tuning, etc.)
- Real life problems & societal implications (e.g., hallucinations, biases, future job market);
- LLMs and the future of NLP; and
- Open-science vs. commercial LLMs

Followed by discussion with the panel and audience.

## Memorial: Dragomir Radev



**Tuesday, July 11, 2023 - Room: Metropolitan - Time: 13:00–13:30**

Dragomir Radev, the A. Bartlett Giamatti Professor of Computer Science at Yale University, passed away this year on Wed, March 29th. Drago contributed in substantial ways to research in NLP, to the organization of the ACL and to mentoring the next generation of computational linguists. Drago's role in our ACL community spans four decades. He was recognized for his work over this period through his selection as an ACL Fellow in 2018 for his significant contributions to text summarization and question answering, and through his receipt of the Distinguished ACL Service Award in 2022. In this session, speakers from different time periods of his life will discuss his contributions to the field and the impact his life had on so many of us.

# **Ethics Panel**

**Karën Fort, Min-Yen Kan and Yulia Tsvetkov, Luciana Benotti, Mark Dredze, Pascale Fung, Dirk Hovy, Jin-Dong Kim, Malvina Nissim**

**Tuesday, July 11, 2023 - Room: Pier 4&5 - Time: 16:15–17:45**

We present our ACL Ethics Committee's progress over the last few years. Of core interest, we will present the results of the ACL stakeholder survey about the role of ethics and ethics training exposure. Results from the survey respondents indicate that ethics is of primary interest to the community and that there is a mandate for the further creation and dissemination of ethics related training for authors, reviewers and event organisers. We will briefly review the survey results and feature a lengthed question and answer session in support of extended dialogue with our community. Our session will culminate through a dialogue with our session's participants in a moderated panel that includes participation from the entire ethics committee.

# **Transitioning to Rolling Review Discussion**

**Mausam, Professor, IIT Delhi (ARR EIC), Jonathan K. Kummerfeld, Assistant Professor,  
University of Sydney (ARR CTO)**

**Tuesday, July 11, 2023 - Room: Metropolitan - Time: 14:15–14:45**

This session will contain a presentation on progress in ARR over the past year and provide an opportunity for community questions and discussion.

## Table of Contents

<i>Investigating Glyph-Phonetic Information for Chinese Spell Checking: What Works and What's Next?</i> Xiaotian Zhang, Yanjun Zheng, Hang Yan and Xipeng Qiu .....	1
<i>A Self-Supervised Integration Method of Pretrained Language Models and Word Definitions</i> Hwiyeol Jo .....	14
<i>Conformal Nucleus Sampling</i> Shauli Ravfogel, Yoav Goldberg and Jacob Goldberger .....	27
<i>DiscoPrompt: Path Prediction Prompt Tuning for Implicit Discourse Relation Recognition</i> Chunkit Chan, Xin Liu, Jiayang Cheng, Zihan Li, Yangqiu Song, Ginny Y. Wong and Simon See 35	
<i>Modularized Zero-shot VQA with Pre-trained Models</i> RUI CAO and Jing Jiang .....	58
<i>TimelineQA: A Benchmark for Question Answering over Timelines</i> Wang-Chiew Tan, Jane Dwivedi-Yu, Yuliang Li, Lambert Mathias, Marzieh Saeidi, Jing Nathan Yan and Alon Y. Halevy .....	77
<i>Abstractive Text Summarization Using the BRIO Training Paradigm</i> Khang Nhut Lam, Thieu Gia Doan, Khang Thua Pham and Jugal Kalita .....	92
<i>Modeling the Q-Diversity in a Min-max Play Game for Robust Optimization</i> Ting Wu, Rui Zheng, Tao Gui, Qi Zhang and Xuanjing Huang .....	100
<i>Pre-training Language Model as a Multi-perspective Course Learner</i> Beiduo Chen, Shaohan Huang, Zihan Zhang, Wu Guo, Zhenhua Ling, Haizhen Huang, Furu Wei, Weiwei Deng and Qi Zhang .....	114
<i>Layerwise universal adversarial attack on NLP models</i> Olga Tsymboi, Danil Malaev, Andrei Petrovskii and Ivan Oseledets .....	129
<i>Scene-robust Natural Language Video Localization via Learning Domain-invariant Representations</i> zehan wang, Yang Zhao, Haifeng Huang, yan xia and Zhou Zhao .....	144
<i>Exploiting Pseudo Image Captions for Multimodal Summarization</i> Chaoya Jiang, Rui Xie, Wei Ye, Jinan Sun and Shikun Zhang .....	161
<i>Cross-Lingual Transfer with Target Language-Ready Task Adapters</i> Marinela Parovic, Alan Ansell, Ivan Vulić and Anna Korhonen .....	176
<i>DynaMiTE: Discovering Explosive Topic Evolutions with User Guidance</i> Nishant Balepur, Shivam Agarwal, Karthik Venkat Ramanan, Susik Yoon, Diyi Yang and Jiawei Han .....	194
<i>Boost Transformer-based Language Models with GPU-Friendly Sparsity and Quantization</i> Chong Yu, Tao Chen and Zhongxue Gan .....	218
<i>RMSSinger: Realistic-Music-Score based Singing Voice Synthesis</i> Jinzheng He, Jinglin Liu, Zhenhui Ye, Rongjie Huang, Chenye Cui, Huadai Liu and Zhou Zhao 236	

<i>Zero-Shot Prompting for Implicit Intent Prediction and Recommendation with Commonsense Reasoning</i> Hui-Chi Kuo and Yun-Nung Chen .....	249
<i>MTGP: Multi-turn Target-oriented Dialogue Guided by Generative Global Path with Flexible Turns</i> Anqi Liu, Bo Wang, Yue Tan, Dongming Zhao, Kun Huang, Ruifang He and Yuexian Hou ..	259
<i>The Larger they are, the Harder they Fail: Language Models do not Recognize Identifier Swaps in Python</i> Antonio Valerio Miceli Barone, Fazl Barez, Shay B. Cohen and Ioannis Konstas .....	272
<i>Class Lifelong Learning for Intent Detection via Structure Consolidation Networks</i> Qingbin Liu, Yanchao Hao, Xiaolong Liu, Bo Li, Dianbo Sui, Shizhu He, Kang Liu, Jun Zhao, Xi Chen, Ningyu Zhang and Jiaoyan Chen .....	293
<i>On Evaluating and Mitigating Gender Biases in Multilingual Settings</i> Aniket Vashishtha, Kabir Ahuja and Sunayana Sitaram .....	307
<i>Rethinking Round-Trip Translation for Machine Translation Evaluation</i> Terry Yue Zhuo, Qiongkai Xu, Xuanli He and Trevor Cohn .....	319
<i>G<sup>e</sup>xt3R: A Graph-Guided Generate-and-Rerank Framework for Complex and Cross-domain Text-to-SQL Generation</i> Yanzheng Xiang, Qian-Wen Zhang, Xu Zhang, Zejie Liu, Yunbo Cao and Deyu Zhou .....	338
<i>A Unified Knowledge Graph Augmentation Service for Boosting Domain-specific NLP Tasks</i> Ruiqing Ding, Xiao Han and Leye Wang .....	353
<i>Dialogue Planning via Brownian Bridge Stochastic Process for Goal-directed Proactive Dialogue</i> Jian Wang, Dongding Lin and Wenjie Li .....	370
<i>A Match Made in Heaven: A Multi-task Framework for Hyperbole and Metaphor Detection</i> Naveen Badathala, Abisek Rajakumar Kalarani, Tejpalsingh Siledar and Pushpak Bhattacharyya	388
<i>Prompt Tuning for Unified Multimodal Pretrained Models</i> Hao Yang, Junyang Lin, An Yang, Peng Wang and Chang Zhou .....	402
<i>Learning Joint Structural and Temporal Contextualized Knowledge Embeddings for Temporal Knowledge Graph Completion</i> Yifu Gao, Yongquan He, Zhigang Kan, Yi Han, Linbo Qiao and Dongsheng Li .....	417
<i>A Systematic Study and Comprehensive Evaluation of ChatGPT on Benchmark Datasets</i> Md Tahmid Rahman Laskar, M Saiful Bari, Mizanur Rahman, Md Amran Hossen Bhuiyan, Shafiq Joty and Jimmy Xiangji Huang .....	431
<i>Generating Deep Questions with Commonsense Reasoning Ability from the Text by Disentangled Adversarial Inference</i> Jianxing Yu, Shiqi Wang, Libin Zheng, Qinliang Su, Wei Liu, Baoquan Zhao and Jian Yin ..	470
<i>TADA: Efficient Task-Agnostic Domain Adaptation for Transformers</i> Chia-Chien Hung, Lukas Lange and Jannik Strötgen .....	487
<i>Robust Natural Language Understanding with Residual Attention Debiasing</i> Fei Wang, James Y. Huang, Tianyi Yan, Wenxuan Zhou and Muhao Chen .....	504
<i>MoNET: Tackle State Momentum via Noise-Enhanced Training for Dialogue State Tracking</i> Haoning Zhang, Junwei Bao, Haipeng Sun, Youzheng Wu, Wenye Li, Shuguang Cui and Xiaodong He .....	520

<i>PAL: Persona-Augmented Emotional Support Conversation Generation</i>	
Jiale Cheng, Sahand Sabour, Hao Sun, Zhuang Chen and Minlie Huang . . . . .	535
<i>Farewell to Aimless Large-scale Pretraining: Influential Subset Selection for Language Model</i>	
Xiao Wang, Weikang Zhou, Qi Zhang, Jie Zhou, SongYang Gao, Junzhe Wang, Menghan Zhang, Xiang Gao, Yun Wen Chen and Tao Gui . . . . .	555
<i>Exclusive Supermask Subnetwork Training for Continual Learning</i>	
Prateek Yadav and Mohit Bansal . . . . .	569
<i>Transferring General Multimodal Pretrained Models to Text Recognition</i>	
Junyang Lin, Xuancheng Ren, Yichang Zhang, Gao Liu, Peng Wang, An Yang and Chang Zhou	588
<i>A Formal Perspective on Byte-Pair Encoding</i>	
Vilém Zouhar, Clara Meister, Juan Luis Gastaldi, Li Du, Tim Vieira, Mrinmaya Sachan and Ryan Cotterell . . . . .	598
<i>Automatic Named Entity Obfuscation in Speech</i>	
Judita Preiss . . . . .	615
<i>Recursion of Thought: A Divide-and-Conquer Approach to Multi-Context Reasoning with Language Models</i>	
Soochan Lee and Gunhee Kim . . . . .	623
<i>UniS-MMC: Multimodal Classification via Unimodality-supervised Multimodal Contrastive Learning</i>	
Heqing Zou, Meng Shen, Chen Chen, Yuchen Hu, Deepu Rajan and Eng Siong Chng . . . . .	659
<i>Robustness-Aware Word Embedding Improves Certified Robustness to Adversarial Word Substitutions</i>	
Yibin Wang, Yichen Yang, Di He and Kun He . . . . .	673
<i>Exploring the Compositional Generalization in Context Dependent Text-to-SQL Parsing</i>	
Aiwei Liu, Wei Liu, Xuming Hu, Shuang Li, Fukun Ma, Yawen Yang and Lijie Wen . . . . .	688
<i>Towards Generative Event Factuality Prediction</i>	
John Murzaku, Tyler G Osborne, Amittai F Aviram and Owen Rambow . . . . .	701
<i>Can Language Models Be Specific? How?</i>	
Jie Huang, Kevin Chen-Chuan Chang, Jinjun Xiong and Wen-mei Hwu . . . . .	716
<i>The Web Can Be Your Oyster for Improving Language Models</i>	
Junyi Li, Tianyi Tang, Wayne Xin Zhao, Jingyuan Wang, Jian-Yun Nie and Ji-Rong Wen . . . . .	728
<i>Enhancing Few-shot Cross-lingual Transfer with Target Language Peculiar Examples</i>	
Hwichan Kim and Mamoru Komachi . . . . .	747
<i>Overcoming Catastrophic Forgetting in Massively Multilingual Continual Learning</i>	
Genta Indra Winata, Lingjue Xie, Karthik Radhakrishnan, Shijie Wu, Xisen Jin, Pengxiang Cheng, Mayank Kulkarni and Daniel Preotiuc-Pietro . . . . .	768
<i>UniFine: A Unified and Fine-grained Approach for Zero-shot Vision-Language Understanding</i>	
Rui Sun, Zhecan Wang, Haoxuan You, Noel Codella, Kai-Wei Chang and Shih-Fu Chang . . . . .	778
<i>Aligning Instruction Tasks Unlocks Large Language Models as Zero-Shot Relation Extractors</i>	
Kai Zhang, Bernal Jimenez Gutierrez and Yu Su . . . . .	794
<i>TADA : Task Agnostic Dialect Adapters for English</i>	
William Held, Caleb Ziems and Diyi Yang . . . . .	813

<i>Generative Zero-Shot Prompt Learning for Cross-Domain Slot Filling with Inverse Prompting</i> Xuefeng Li, Liwen Wang, Guanting Dong, Keqing He, Jinzheng Zhao, Hao Lei, Jiachi Liu and Weiran Xu .....	825
<i>Re-appraising the Schema Linking for Text-to-SQL</i> Yujian Gan, Xinyun Chen and Matthew Purver .....	835
<i>Echoes from Alexandria: A Large Resource for Multilingual Book Summarization</i> Alessandro Scirè, Simone Conia, Simone Ciciliano and Roberto Navigli .....	853
<i>When Gradient Descent Meets Derivative-Free Optimization: A Match Made in Black-Box Scenario</i> Chengcheng Han, Liqing Cui, Renyu Zhu, Jianing Wang, Nuo Chen, Qiushi Sun, Xiang Li and Ming Gao .....	868
<i>Align-then-Enhance: Multilingual Entailment Graph Enhancement with Soft Predicate Alignment</i> Yuting Wu, Yutong Hu, Yansong Feng, Tianyi Li, Mark Steedman and Dongyan Zhao .....	881
<i>Few-shot Classification with Hypersphere Modeling of Prototypes</i> Ning Ding, Yulin Chen, Ganqu CUI, Xiaobin Wang, Haitao Zheng, Zhiyuan Liu and Pengjun Xie	895
<i>Structured Mean-Field Variational Inference for Higher-Order Span-Based Semantic Role</i> Wei Liu, Songlin Yang and Kewei Tu .....	918
<i>AQE: Argument Quadruplet Extraction via a Quad-Tagging Augmented Generative Approach</i> Jia Guo, Liying Cheng, Wenxuan Zhang, Stanley Kok, Xin Li and Lidong Bing .....	932
<i>The Dangers of trusting Stochastic Parrots: Faithfulness and Trust in Open-domain Conversational Question Answering</i> Sabrina Chiesurin, Dimitris Dimakopoulos, Marco Antonio Sobrevilla Cabezudo, Arash Eshghi, Ioannis Papaioannou, Verena Rieser and Ioannis Konstas .....	947
<i>Discrete Prompt Optimization via Constrained Generation for Zero-shot Re-ranker</i> Sukmin Cho, Soyeong Jeong, Jeong yeon Seo and Jong Park .....	960
<i>Triggering Multi-Hop Reasoning for Question Answering in Language Models using Soft Prompts and Random Walks</i> Kanishka Misra, Cicero Nogueira dos Santos and Siamak Shakeri .....	972
<i>Multimedia Generative Script Learning for Task Planning</i> Qingyun Wang, Manling Li, Hou Pong Chan, Lifu Huang, Julia Hockenmaier, Girish Chowdhary and Heng Ji .....	986
<i>Label Agnostic Pre-training for Zero-shot Text Classification</i> Christopher Clarke, Yuzhao Heng, Yiping Kang, Krisztian Flautner, Lingjia Tang and Jason Mars	1009
<i>Click: Controllable Text Generation with Sequence Likelihood Contrastive Learning</i> Chujie Zheng, Pei Ke, Zheng Zhang and Minlie Huang .....	1022
<i>Improving Embedding-based Unsupervised Keyphrase Extraction by Incorporating Structural Information</i> Mingyang Song, Huafeng Liu, Yi Feng and Liping Jing .....	1041
<i>Towards Reasoning in Large Language Models: A Survey</i> Jie Huang and Kevin Chen-Chuan Chang .....	1049



<i>Transitioning from benchmarks to a real-world case of information-seeking in Scientific Publications</i> Chyrine Tahri, Aurore Bochnakian, Patrick Haouat and Xavier Tannier .....	1066
<i>CLIPText: A New Paradigm for Zero-shot Text Classification</i> Libo Qin, Weiyun Wang, Qiguang Chen and Wanxiang Che .....	1077
<i>Rethinking Dictionaries and Glyphs for Chinese Language Pre-training</i> Yuxuan Wang, Jack Wang, Dongyan Zhao and Zilong Zheng .....	1089
<i>One Embedder, Any Task: Instruction-Finetuned Text Embeddings</i> Hongjin Su, Weijia Shi, Jungo Kasai, Yizhong Wang, Yushi Hu, Mari Ostendorf, Wen-tau Yih, Noah A. Smith, Luke Zettlemoyer and Tao Yu .....	1102
<i>Towards Speech Dialogue Translation Mediating Speakers of Different Languages</i> Shuichiro Shimizu, Chenhui Chu, Sheng Li and Sadao Kurohashi .....	1122
<i>Adaptation Approaches for Nearest Neighbor Language Models</i> Rishabh Bhardwaj, George Polovets and Monica Sunkara .....	1135
<i>Language Models for German Text Simplification: Overcoming Parallel Data Scarcity through Style-specific Pre-training</i> Miriam Anschütz, Joshua Oehms, Thomas Wimmer, Bartłomiej Jezierski and Georg Groh .	1147
<i>Client-Customized Adaptation for Parameter-Efficient Federated Learning</i> Yeachen Kim, Junho Kim, Wing-Lam Mok, Jun-Hyung Park and SangKeun Lee .....	1159
<i>FolkScope: Intention Knowledge Graph Construction for E-commerce Commonsense Discovery</i> Changlong Yu, Weiqi Wang, Xin Liu, Jiaxin Bai, Yangqiu Song, Zheng Li, Yifan Gao, Tianyu Cao and Bing Yin .....	1173
<i>I am PsyAM: Modeling Happiness with Cognitive Appraisal Dimensions</i> Xuan Liu and Kokil Jaidka .....	1192
<i>Value type: the bridge to a better DST model</i> Gao Qixiang, Mingyang Sun, Yutao Mou, Chen Zeng and Weiran Xu .....	1211
<i>Hypothetical Training for Robust Machine Reading Comprehension of Tabular Context</i> Moxin Li, Wenjie Wang, Fuli Feng, Hanwang Zhang, Qifan Wang and Tat-Seng Chua .....	1220
<i>BanglaBook: A Large-scale Bangla Dataset for Sentiment Analysis from Book Reviews</i> Mohsinul Kabir, Obayed Bin Mahfuz, Syed Rifat Raiyan, Hasan Mahmud and Md Kamrul Hasan	1237
<i>Risks and NLP Design: A Case Study on Procedural Document QA</i> Nikita Haduong, Alice Gao and Noah A. Smith .....	1248
<i>The Diminishing Returns of Masked Language Models to Science</i> Zhi Hong, Aswathy Ajith, James Gregory Pauloski, Eamon Duede, kyle chard and Ian T Foster	1270
<i>Causal Matching with Text Embeddings: A Case Study in Estimating the Causal Effects of Peer Review Policies</i> Raymond Zhang, Neha Nayak Kennard, Daniel S Smith, Daniel A McFarland, Andrew McCallum and Katherine A Keith .....	1284
<i>Learning to Generalize for Cross-domain QA</i> Yingjie Niu, Linyi Yang, Ruihai Dong and Yue Zhang .....	1298

<i>Enhanced Chart Understanding via Visual Language Pre-training on Plot Table Pairs</i>	
Mingyang Zhou, Yi Fung, Long Chen, Christopher Thomas, Heng Ji and Shih-Fu Chang . . .	1314
<i>Importance of Synthesizing High-quality Data for Text-to-SQL Parsing</i>	
Yiqun Hu, Yiyun Zhao, Jiarong Jiang, Wuwei Lan, Henghui Zhu, Anuj Chauhan, Alexander Hanbo Li, Lin Pan, Jun Wang, Chung-Wei Hang, Sheng Zhang, Jiang Guo, Mingwen Dong, Joseph Lilien, Patrick Ng, Zhiguo Wang, Vittorio Castelli and Bing Xiang . . . . .	1327
<i>Exploring Schema Generalizability of Text-to-SQL</i>	
Jieyu Li, Lu Chen, Ruisheng Cao, Su Zhu, Hongshen Xu, Zhi Chen, Hanchong Zhang and Kai Yu	1344
<i>Enhancing Cross-lingual Natural Language Inference by Soft Prompting with Multilingual Verbalizer</i>	
Shuang Li, Xuming Hu, Aiwei Liu, Yawen Yang, Fukun Ma, Philip S. Yu and Lijie Wen . . .	1361
<i>A Confidence-based Partial Label Learning Model for Crowd-Annotated Named Entity Recognition</i>	
Limao Xiong, Jie Zhou, Qunxi Zhu, Xiao Wang, Yuanbin Wu, Qi Zhang, Tao Gui, Xuanjing Huang, Jin Ma and Ying Shan . . . . .	1375
<i>Towards Zero-Shot Persona Dialogue Generation with In-Context Learning</i>	
Xinchao Xu, Zeyang Lei, Wenquan Wu, Zheng-Yu Niu, Hua Wu and Haifeng Wang . . . . .	1387
<i>Grammar-based Decoding for Improved Compositional Generalization in Semantic Parsing</i>	
Jing Zheng, Jyh-Herng Chow, Zhongnan Shen and Peng Xu . . . . .	1399
<i>Exploiting Rich Textual User-Product Context for Improving Personalized Sentiment Analysis</i>	
Chenyang Lyu, Linyi Yang, Yue Zhang, Yvette Graham and Jennifer Foster . . . . .	1419
<i>Efficient Out-of-Domain Detection for Sequence to Sequence Models</i>	
Artem Vazhentsev, Akim Tsvigun, Roman Konstantinovich Vashurin, Sergey Petrakov, Daniil Vasilev, Maxim Panov, Alexander Panchenko and Artem Shelmanov . . . . .	1430
<i>Emotion Cause Extraction on Social Media without Human Annotation</i>	
Debin Xiao, Rui Xia and Jianfei Yu . . . . .	1455
<i>Pseudo Outlier Exposure for Out-of-Distribution Detection using Pretrained Transformers</i>	
Jaeyoung Kim, Kyuheon Jung, Dongbin Na, Sion Jang, Eunbin Park and Sungchul Choi . . .	1469
<i>Adversarial Multi-task Learning for End-to-end Metaphor Detection</i>	
Shenglong Zhang and Ying Liu . . . . .	1483
<i>SERENGETI: Massively Multilingual Language Models for Africa</i>	
Ife Adebara, AbdelRahim Elmadany, Muhammad Abdul-Mageed and Alcides Alcoba Inciarte	1498
<i>Prompt- and Trait Relation-aware Cross-prompt Essay Trait Scoring</i>	
Heejin Do, Yunsu Kim and Gary Geunbae Lee . . . . .	1538
<i>AugESC: Dialogue Augmentation with Large Language Models for Emotional Support Conversation</i>	
Chujie Zheng, Sahand Sabour, Jiaxin Wen, Zheng Zhang and Minlie Huang . . . . .	1552
<i>2 * n is better than n<sup>2</sup>: Decomposing Event Coreference Resolution into Two Tractable Problems</i>	
Shafiuddin Rehan Ahmed, Abhijnan Nath, James H. Martin and Nikhil Krishnaswamy . . . . .	1569
<i>SCCS: Semantics-Consistent Cross-domain Summarization via Optimal Transport Alignment</i>	
Jielin Qiu, Jiacheng Zhu, Mengdi Xu, Franck Dernoncourt, Trung Bui, Zhaowen Wang, Bo Li, Ding Zhao and Hailin Jin . . . . .	1584

<i>General-to-Specific Transfer Labeling for Domain Adaptable Keyphrase Generation</i> Rui Meng, Tong Wang, Xingdi Yuan, Yingbo Zhou and Daqing He .....	1602
<i>E-NER: Evidential Deep Learning for Trustworthy Named Entity Recognition</i> Zhen Zhang, Mengting Hu, Shiwan Zhao, Minlie Huang, Haotian Wang, Lemao Liu, Zhirui Zhang, Zhe Liu and Bingzhe Wu .....	1619
<i>LMCap: Few-shot Multilingual Image Captioning by Retrieval Augmented Language Model Prompting</i> Rita Parada Ramos, Bruno Martins and Desmond Elliott .....	1635
<i>Boosting Text Augmentation via Hybrid Instance Filtering Framework</i> Heng Yang and Ke Li .....	1652
<i>Gradient-Boosted Decision Tree for Listwise Context Model in Multimodal Review Helpfulness Prediction</i> Thong Thanh Nguyen, Xiaobao Wu, Xinshuai Dong, Cong-Duy T. Nguyen, Zhen Hai, Lidong Bing and Anh Tuan Luu .....	1670
<i>Extract and Attend: Improving Entity Translation in Neural Machine Translation</i> Zixin Zeng, Rui Wang, Yichong Leng, Junliang Guo, Shufang Xie, Xu Tan, Tao Qin and Tie-Yan Liu .....	1697
<i>Real-World Compositional Generalization with Disentangled Sequence-to-Sequence Learning</i> Hao Zheng and Mirella Lapata .....	1711
<i>Cross-lingual AMR Aligner: Paying Attention to Cross-Attention</i> Abelardo Carlos Martínez Lorenzo, Pere Lluís Huguet Cabot and Roberto Navigli .....	1726
<i>Zero-Shot Text Classification via Self-Supervised Tuning</i> Chaoqun Liu, Wenxuan Zhang, Guizhen Chen, Xiaobao Wu, Anh Tuan Luu, Chip Hong Chang and Lidong Bing .....	1743
<i>Logical Transformers: Infusing Logical Structures into Pre-Trained Language Models</i> Borui Wang, Qiuyuan Huang, Budhaditya Deb, Aaron L Halfaker, Liqun Shao, Daniel McDuff, Ahmed Hassan Awadallah, Dragomir Radev and Jianfeng Gao .....	1762
<i>Large Language Models with Controllable Working Memory</i> Daliang Li, Ankit Singh Rawat, Manzil Zaheer, Xin Wang, Michal Lukasik, Andreas Veit, Felix Yu and Sanjiv Kumar .....	1774
<i>A Unified Evaluation Framework for Novelty Detection and Accommodation in NLP with an Instantiation in Authorship Attribution</i> Neeraj Varshney, Himanshu Gupta, Eric Robertson, Bing Liu and Chitta Baral .....	1794
<i>CDA: A Contrastive Data Augmentation Method for Alzheimer’s Disease Detection</i> Junwen Duan, Fangyuan Wei, Jin Liu, Hongdong Li, Tianming Liu and Jianxin Wang .....	1819
<i>Disentangling Aspect and Stance via a Siamese Autoencoder for Aspect Clustering of Vaccination Opinions</i> Lixing Zhu, Runcong Zhao, Gabriele Pergola and Yulan He .....	1827
<i>Temporal Relation Classification using Boolean Question Answering</i> Omer Cohen and Kfir Bar .....	1843
<i>Are Synonym Substitution Attacks Really Synonym Substitution Attacks?</i> Cheng-Han Chiang and Hung-yi Lee .....	1853

<i>DivHSK: Diverse Headline Generation using Self-Attention based Keyword Selection</i>	
Venkatesh E, Kaushal Kumar Maurya, Deepak Kumar and Maunendra Sankar Desarkar . . .	1879
<i>Similarity-Based Content Scoring - A more Classroom-Suitable Alternative to Instance-Based Scoring?</i>	
Marie Bexte, Andrea Horbach and Torsten Zesch . . . . .	1892
<i>Pragmatic Inference with a CLIP Listener for Contrastive Captioning</i>	
Jiefu Ou, Benno Krojer and Daniel Fried . . . . .	1904
<i>A Statistical Exploration of Text Partition Into Constituents: The Case of the Priestly Source in the Books of Genesis and Exodus</i>	
Gideon Gidi Yoffe, Axel Bühler, Nachum Dershowitz, Thomas C Romer, Eli Piasetzky, Israel Finkelstein and Barak Sober . . . . .	1918
<i>A Language-First Approach for Procedure Planning</i>	
Jiateng Liu, Sha Li, Zhenhailong Wang, Manling Li and Heng Ji . . . . .	1941
<i>An Empirical Analysis of Leveraging Knowledge for Low-Resource Task-Oriented Semantic Parsing</i>	
Mayank Kulkarni, Aoxiao Zhong, Nicolas Guenon des mesnards, Sahar Movaghathi, Mukund Sridhar, He Xie and Jianhua Lu . . . . .	1955
<i>TempLM: Distilling Language Models into Template-Based Generators</i>	
Tianyi Zhang, Mina Lee, Xiang Lisa Li, Ende Shen and Tatsunori Hashimoto . . . . .	1970
<i>Incorporating Graph Information in Transformer-based AMR Parsing</i>	
Pavlo Vasylenko, Pere Lluís Huguet Cabot, Abelardo Carlos Martínez Lorenzo and Roberto Navigli . . . . .	1995
<i>Rethinking the Word-level Quality Estimation for Machine Translation from Human Judgement</i>	
Zhen Yang, Fandong Meng, Yuanmeng Yan and Jie Zhou . . . . .	2012
<i>PV2TEA: Patching Visual Modality to Textual-Established Information Extraction</i>	
Hejie Cui, Rongmei Lin, Nasser Zalmout, Chenwei Zhang, Jingbo Shang, Carl Yang and Xian Li	2026
<i>Structural Contrastive Pretraining for Cross-Lingual Comprehension</i>	
Nuo Chen, Linjun Shou, Tengtao Song, Ming Gong, Jian Pei, Jianhui Chang, Daxin Jiang and Jia Li . . . . .	2042
<i>Reducing Sensitivity on Speaker Names for Text Generation from Dialogues</i>	
Qi Jia, Haifeng Tang and Kenny Q. Zhu . . . . .	2058
<i>Topic and Style-aware Transformer for Multimodal Emotion Recognition</i>	
Shuwen Qiu, Nitesh Sekhar and Prateek Singhal . . . . .	2074
<i>Exploiting Abstract Meaning Representation for Open-Domain Question Answering</i>	
Cunxiang Wang, Zhikun Xu, Qipeng Guo, Xiangkun Hu, Xuefeng Bai, Zheng Zhang and Yue Zhang . . . . .	2083
<i>Nonparametric Masked Language Modeling</i>	
Sewon Min, Weijia Shi, Mike Lewis, Xilun Chen, Wen-tau Yih, Hannaneh Hajishirzi and Luke Zettlemoyer . . . . .	2097
<i>Pay More Attention to Relation Exploration for Knowledge Base Question Answering</i>	
Yong Cao, Xianzhi Li, huiwen liu, Wen Dai, shuai chen, Bin Wang, Min Chen and Daniel Hershcovich . . . . .	2119

<i>Speaking Multiple Languages Affects the Moral Bias of Language Models</i>	
Katharina Haemmerl, Bjoern Deiseroth, Patrick Schramowski, Jindřich Libovický, Constantin A Rothkopf, Alexander Fraser and Kristian Kersting .....	2137
<i>Retrieving Relevant Context to Align Representations for Cross-lingual Event Detection</i>	
Chien Van Nguyen, Linh Ngo and Thien Huu Nguyen .....	2157
<i>NormNet: Normalize Noun Phrases for More Robust NLP</i>	
Minlong Peng and Mingming Sun .....	2171
<i>Cross Encoding as Augmentation: Towards Effective Educational Text Classification</i>	
Hyun Seung Lee, Seungtaek Choi, Yunsung Lee, Hyeongdon Moon, Shinhyeok Oh, Myeongho Jeong, Hyojun Go and Christian Wallraven .....	2184
<i>Adversarial Robustness of Prompt-based Few-Shot Learning for Natural Language Understanding</i>	
Venkata Prabhakara Sarath Nookala, Gaurav Verma, Subhabrata Mukherjee and Srijan Kumar	2196
<i>This prompt is measuring &lt;mask&gt;: evaluating bias evaluation in language models</i>	
Seraphina Goldfarb-Tarrant, Eddie L. Ungless, Esmā Balkir and Su Lin Blodgett .....	2209
<i>Towards Open Environment Intent Prediction</i>	
Yunhua Zhou, Jiawei Hong and Xipeng Qiu .....	2226
<i>Teamwork Is Not Always Good: An Empirical Study of Classifier Drift in Class-incremental Information Extraction</i>	
Minqian Liu and Lifu Huang .....	2241
<i>C-XNLI: Croatian Extension of XNLI Dataset</i>	
Leo Obadić, Andrej Jertec, Marko Rajnović and Branimir Dropuljić .....	2258
<i>AVATAR: A Parallel Corpus for Java-Python Program Translation</i>	
Wasi Uddin Ahmad, Md Golam Rahman Tushar, Saikat Chakraborty and Kai-Wei Chang ..	2268
<i>On Dataset Transferability in Active Learning for Transformers</i>	
Fran Jelenić, Josip Jukić, Nina Drobac and Jan Snajder .....	2282
<i>Structured Persuasive Writing Support in Legal Education: A Model and Tool for German Legal Case Solutions</i>	
Florian Weber, Thiemo Wambsganss, Seyed Parsa Neshaei and Matthias Soellner .....	2296
<i>Characterizing the Impacts of Instances on Robustness</i>	
Rui Zheng, Zhiheng Xi, Qin Liu, Wenbin Lai, Tao Gui, Qi Zhang, Xuanjing Huang, Jin Ma, Ying Shan and Weifeng Ge .....	2314
<i>Generate then Select: Open-ended Visual Question Answering Guided by World Knowledge</i>	
Xingyu Fu, Sheng Zhang, Gukyeong Kwon, Pramuditha Perera, Henghui Zhu, Yuhao Zhang, Alexander Hanbo Li, William Yang Wang, Zhiguo Wang, Vittorio Castelli, Patrick Ng, Dan Roth and Bing Xiang .....	2333
<i>Hence, Socrates is mortal: A Benchmark for Natural Language Syllogistic Reasoning</i>	
Yongkang Wu, meng han, Yutao Zhu, Lei Li, Xinyu Zhang, ruofei lai, Xiaoguang Li, Yuanhang Ren, Zhicheng Dou and Zhao Cao .....	2347
<i>Categorial grammar induction from raw data</i>	
Christian Clark and William Schuler .....	2368

<i>Attribute Controlled Dialogue Prompting</i>	
Runcheng Liu, Ahmad Rashid, Ivan Kobyzev, Mehdi Rezagholizadeh and Pascal Poupart . . .	2380
<i>Open-World Factually Consistent Question Generation</i>	
Himanshu Maheshwari, Sumit Shekhar, Apoorv Saxena and Niyati Chhaya . . . . .	2390
<i>Contrastive Learning of Sociopragmatic Meaning in Social Media</i>	
Chiyu Zhang, Muhammad Abdul-Mageed and Ganesh Jawahar . . . . .	2405
<i>Noisy Positive-Unlabeled Learning with Self-Training for Speculative Knowledge Graph Reasoning</i>	
Ruijie Wang, Baoyu Li, Yichen Lu, Dachun Sun, Jinning Li, Yuchen Yan, Shengzhong Liu, Hanghang Tong and Tarek F. Abdelzaher . . . . .	2440
<i>ACROSS: An Alignment-based Framework for Low-Resource Many-to-One Cross-Lingual Summarization</i>	
Peiyao Li, Zhengkun Zhang, Jun Wang, Liang Li, Adam Jatowt and Zhenglu Yang . . . . .	2458
<i>RFiD: Towards Rational Fusion-in-Decoder for Open-Domain Question Answering</i>	
Cunxiang Wang, Haofer Yu and Yue Zhang . . . . .	2473
<i>Unsupervised Keyphrase Extraction by Learning Neural Keyphrase Set Function</i>	
Mingyang Song, Haiyun Jiang, Lemao Liu, Shuming Shi and Liping Jing . . . . .	2482
<i>Diffusion Theory as a Scalpel: Detecting and Purifying Poisonous Dimensions in Pre-trained Language Models Caused by Backdoor or Bias</i>	
Zhiyuan Zhang, Deli Chen, Hao Zhou, Fandong Meng, Jie Zhou and Xu Sun . . . . .	2495
<i>Retrieving Multimodal Prompts for Generative Visual Question Answering</i>	
Timothy Ossowski and Junjie Hu . . . . .	2518
<i>InfoSync: Information Synchronization across Multilingual Semi-structured Tables</i>	
Siddharth Hemant Khincha, Chelsi Jain, Vivek Gupta, Tushar Kataria and Shuo Zhang . . . . .	2536
<i>T2IAT: Measuring Valence and Stereotypical Biases in Text-to-Image Generation</i>	
Jialu Wang, Xinyue Gabby Liu, Zonglin Di, Yang Liu and Xin Eric Wang . . . . .	2560
<i>An Investigation of Evaluation Methods in Automatic Medical Note Generation</i>	
Asma Ben Abacha, Wen-wai Yim, George Michalopoulos and Thomas Lin . . . . .	2575
<i>Rethinking Translation Memory Augmented Neural Machine Translation</i>	
Hongkun Hao, Guoping Huang, Lemao Liu, Zhirui Zhang, Shuming Shi and Rui Wang . . . . .	2589
<i>Controlling Styles in Neural Machine Translation with Activation Prompt</i>	
Yifan Wang, Zewei Sun, Shanbo Cheng, Weiguo Zheng and Mingxuan Wang . . . . .	2606
<i>Focusing, Bridging and Prompting for Few-shot Nested Named Entity Recognition</i>	
Yuanyuan Xu, Zeng Yang, Linhai Zhang, Deyu Zhou, Tiandeng Wu and Rong Zhou . . . . .	2621
<i>Together We Make Sense—Learning Meta-Sense Embeddings</i>	
Haochen Luo, Yi Zhou and Danushka Bollegala . . . . .	2638
<i>Multimodal Prompt Learning for Product Title Generation with Extremely Limited Labels</i>	
Bang Yang, Fenglin Liu, Zheng Li, Qingyu Yin, Chenyu You, Bing Yin and Yuexian Zou . . . . .	2652
<i>Large Language Models are Built-in Autoregressive Search Engines</i>	
Noah Ziemis, Wenhao Yu, Zhihan Zhang and Meng Jiang . . . . .	2666

<i>Beyond Triplet: Leveraging the Most Data for Multimodal Machine Translation</i>	
Yaoming ZHU, Zewei Sun, Shanbo Cheng, Luyang Huang, Liwei Wu and Mingxuan Wang	2679
<i>From chocolate bunny to chocolate crocodile: Do Language Models Understand Noun Compounds?</i>	
Albert Jordan Coil and Vered Shwartz	2698
<i>Measuring Intersectional Biases in Historical Documents</i>	
Nadav Borenstein, Karolina Stanczak, Thea Rolskov, Natacha Klein Käfer, Natália da Silva Perez and Isabelle Augenstein	2711
<i>Incomplete Utterance Rewriting by A Two-Phase Locate-and-Fill Regime</i>	
Zitong Li, Jiawei Li, Haifeng Tang, Kenny Q. Zhu and Ruolan Yang	2731
<i>Exploring Variation of Results from Different Experimental Conditions</i>	
Maja Popović, Mohammad Arvan, Natalie Parde and Anya Belz	2746
<i>Playing the Part of the Sharp Bully: Generating Adversarial Examples for Implicit Hate Speech Detection</i>	
Nicolas Benjamin Ocampo, Elena Cabrio and Serena Villata	2758
<i>X-RiSAWOZ: High-Quality End-to-End Multilingual Dialogue Datasets and Few-shot Agents</i>	
Mehrad Moradshahi, Tianhao Shen, Kalika Bali, Monojit Choudhury, Gael de Chalendar, Anmol Goel, Sungkyun Kim, Prashant Kodali, Ponnurangam Kumaraguru, Nasredine Semmar, Sina Semnani, Jiwon Seo, Vivek Seshadri, Manish Shrivastava, Michael Sun, Aditya Yadavalli, Chaobin You, Deyi Xiong and Monica S Lam	2773
<i>Subword Segmental Machine Translation: Unifying Segmentation and Target Sentence Generation</i>	
Francois Meyer and Jan Buys	2795
<i>Measuring and Mitigating Local Instability in Deep Neural Networks</i>	
Arghya Datta, Subhrangshu Nandi, Jingcheng Xu, Greg Ver Steeg, He Xie, Anoop Kumar and Aram Galstyan	2810
<i>What Knowledge Is Needed? Towards Explainable Memory for kNN-MT Domain Adaptation</i>	
Wenhao Zhu, Shujian Huang, Yunzhe Lv, Xin Zheng and Jiajun CHEN	2824
<i>Measuring Your ASTE Models in The Wild: A Diversified Multi-domain Dataset For Aspect Sentiment Triplet Extraction</i>	
Ting Xu, Huiyun Yang, Zhen Wu, Jiase Chen, Fei Zhao and Xinyu Dai	2837
<i>Grounding the Lexical Substitution Task in Entailment</i>	
Talgat Omarov and Grzegorz Kondrak	2854
<i>Operator Selection and Ordering in a Pipeline Approach to Efficiency Optimizations for Transformers</i>	
Ji Xin, Raphael Tang, Zhiying Jiang, Yaoliang Yu and Jimmy Lin	2870
<i>AraMUS: Pushing the Limits of Data and Model Scale for Arabic Natural Language Processing</i>	
Asaad Alghamdi, Xinyu Duan, Wei Jiang, Zhenhai Wang, Yimeng Wu, Qingrong Xia, Zhefeng Wang, Yi ZHENG, Mehdi Rezagholizadeh, baoxing Huai, Peilun Cheng and Abbas Ghaddar	2883
<i>Leveraging Explicit Procedural Instructions for Data-Efficient Action Prediction</i>	
Julia Isabel White, Arushi Raghuvanshi and Yada Pruksachatkun	2895
<i>Quantifying Train-Evaluation Overlap with Nearest Neighbors</i>	
Gauri Kambhatla, Thuy H Nguyen and Eunsol Choi	2905
<i>Unsupervised Mapping of Arguments of Deverbal Nouns to Their Corresponding Verbal Labels</i>	
Aviv Weinstein and Yoav Goldberg	2921

<i>The Decades Progress on Code-Switching Research in NLP: A Systematic Survey on Trends and Challenges</i>	
Genta Indra Winata, Alham Fikri Aji, Zheng Xin Yong and Thamar Solorio . . . . .	2936
<i>Learning to Predict Persona Information for Dialogue Personalization without Explicit Persona Description</i>	
Wangchunshu Zhou, Qifei LI and Chenle Li . . . . .	2979
<i>Automated Refugee Case Analysis: A NLP Pipeline for Supporting Legal Practitioners</i>	
Claire Barale, Michael Rovatsos and Nehal Bhuta . . . . .	2992
<i>Recurrent Attention Networks for Long-text Modeling</i>	
Xianming Li, Zongxi Li, Xiaotian Luo, Haoran Xie, Xing Lee, Yingbin Zhao, Fu Lee Wang and Qing Li . . . . .	3006
<i>Exploring the Relationship between Alignment and Cross-lingual Transfer in Multilingual Transformers</i>	
Felix Gaschi, Patricio Cerda, Parisa RASTIN and Yannick Toussaint . . . . .	3020
<i>Aerial Vision-and-Dialog Navigation</i>	
Yue Fan, Winson Chen, Tongzhou Jiang, Chun Zhou, Yi Zhang and Xin Eric Wang . . . . .	3043
<i>Improved Logical Reasoning of Language Models via Differentiable Symbolic Programming</i>	
Hanlin Zhang, Jiani Huang, Ziyang Li, MAYUR NAIK and Eric Xing . . . . .	3062
<i>B2T Connection: Serving Stability and Performance in Deep Transformers</i>	
Sho Takase, Shun Kiyono, Sosuke Kobayashi and Jun Suzuki . . . . .	3078
<i>Boosting Zero-shot Cross-lingual Retrieval by Training on Artificially Code-Switched Data</i>	
Robert Litschko, Ekaterina Artemova and Barbara Plank . . . . .	3096
<i>Domain-specific Attention with Distributional Signatures for Multi-Domain End-to-end Task-Oriented Dialogue</i>	
Xing Ma, Peng Zhang and Feifei Zhao . . . . .	3109
<i>CKDST: Comprehensively and Effectively Distill Knowledge from Machine Translation to End-to-End Speech Translation</i>	
Yikun Lei, Zhengshan Xue, Xiaohu Zhao, Haoran Sun, Shaolin Zhu, xiaodong lin and Deyi Xiong	3123
<i>Follow the leader(board) with confidence: Estimating p-values from a single test set with item and response variance</i>	
Shira Wein, Christopher Homan, Lora Aroyo and Chris Welty . . . . .	3138
<i>Parallel Data Helps Neural Entity Coreference Resolution</i>	
Gongbo Tang and Christian Hardmeier . . . . .	3162
<i>Towards Open-Domain Twitter User Profile Inference</i>	
Haoyang Wen, Zhenxin Xiao, Eduard H Hovy and Alexander Hauptmann . . . . .	3172
<i>Eliciting Affective Events from Language Models by Multiple View Co-prompting</i>	
Yuan Zhuang and Ellen Riloff . . . . .	3189
<i>ZeroAE: Pre-trained Language Model based Autoencoder for Transductive Zero-shot Text Classification</i>	
Kaihao Guo, Hang Yu, Cong Liao, Jianguo Li and Haipeng Zhang . . . . .	3202



<i>PRAM: An End-to-end Prototype-based Representation Alignment Model for Zero-resource Cross-lingual Named Entity Recognition</i>	
Yucheng Huang, wenqiang liu, Xianli Zhang, JUN LANG, Tieliang Gong and Chen Li . . . .	3220
<i>It Takes Two to Tango: Navigating Conceptualizations of NLP Tasks and Measurements of Performance</i>	
Arjun Subramonian, Xingdi Yuan, Hal Daumé III and Su Lin Blodgett . . . . .	3234
<i>Task-adaptive Label Dependency Transfer for Few-shot Named Entity Recognition</i>	
Shan Zhang, Bin Cao, Tianming Zhang, Yuqi Liu and Jing Fan . . . . .	3280
<i>WYWEB: A NLP Evaluation Benchmark For Classical Chinese</i>	
Bo Zhou, Qianglong Chen, Xiaomi Zhong, Xiaomi Zhong and Yin Zhang . . . . .	3294
<i>A Fused Gromov-Wasserstein Framework for Unsupervised Knowledge Graph Entity Alignment</i>	
Jianheng Tang, Kangfei Zhao and Jia Li . . . . .	3320
<i>Two Examples are Better than One: Context Regularization for Gradient-based Prompt Tuning</i>	
Hyeonmin Ha, SOYOUNG JUNG, Jinsol Park, Minjoon Seo, Seung-won Hwang and Byung-Gon Chun . . . . .	3335
<i>An Investigation of Noise in Morphological Inflection</i>	
Adam Wiemerslage, Changbing Yang, Garrett Nicolai, Miikka Silfverberg and Katharina Kann	3351
<i>Graph Reasoning for Question Answering with Triplet Retrieval</i>	
Shiyang Li, Yifan Gao, Haoming Jiang, Qingyu Yin, Zheng Li, Xifeng Yan, Chao Zhang and Bing Yin . . . . .	3366
<i>End-to-End Argument Mining over Varying Rhetorical Structures</i>	
Elena Chistova . . . . .	3376
<i>Unsupervised Task Graph Generation from Instructional Video Transcripts</i>	
Lajanugen Logeswaran, Sungryull Sohn, Yunseok Jang, Moontae Lee and Honglak Lee . . . .	3392
<i>Exploiting Hierarchically Structured Categories in Fine-grained Chinese Named Entity Recognition</i>	
Jiuding Yang, Jinwen Luo, Weidong Guo, Di Niu and Yu Xu . . . . .	3407
<i>Adversarial Textual Robustness on Visual Dialog</i>	
Lu Yu and Verena Rieser . . . . .	3422
<i>Language Model Analysis for Ontology Subsumption Inference</i>	
Yuan He, Jiaoyan Chen, Ernesto Jimenez-Ruiz, Hang Dong and Ian Horrocks . . . . .	3439
<i>Exploring Automatically Perturbed Natural Language Explanations in Relation Extraction</i>	
Wanyun Cui and Xingran Chen . . . . .	3454
<i>Varta: A Large-Scale Headline-Generation Dataset for Indic Languages</i>	
Rahul Aralikatte, Ziling Cheng, Sumanth Doddapaneni and Jackie Chi Kit Cheung . . . . .	3468
<i>Better Zero-Shot Reasoning with Self-Adaptive Prompting</i>	
Xingchen Wan, Ruoxi SUN, Hanjun Dai, Sercan Arik and Tomas Pfister . . . . .	3493
<i>Multimodal Recommendation Dialog with Subjective Preference: A New Challenge and Benchmark</i>	
Yuxing Long, Binyuan Hui, Caixia Yuan, Fei Huang, Yongbin Li and Xiaojie WANG . . . . .	3515
<i>ANALOGICAL - A Novel Benchmark for Long Text Analogy Evaluation in Large Language Models</i>	
Thilini Wijesiriwardene, Ruwan Wickramarachchi, Bimal Gajera, Shreeyash Mukul Gowaikar, Chandan Gupta, Aman Chadha, Aishwarya Naresh Reganti, Amit Sheth and Amitava Das . . . . .	3534

<i>Financial Numeric Extreme Labelling: A dataset and benchmarking</i>	
Soumya Sharma, Subhendu Khatuya, Manjunath Hegde, Afreen Shaikh, Koustuv Dasgupta, Pawan Goyal and Niloy Ganguly . . . . .	3550
<i>Multilingual Summarization with Factual Consistency Evaluation</i>	
Roei Aharoni, Shashi Narayan, Joshua Maynez, Jonathan Herzig, Elizabeth Clark and Mirella Lapata . . . . .	3562
<i>Enhancing Out-of-Vocabulary Estimation with Subword Attention</i>	
Raj Patel and Carlotta Domeniconi . . . . .	3592
<i>Encoder and Decoder, Not One Less for Pre-trained Language Model Sponsored NMT</i>	
Sufeng Duan and Hai Zhao . . . . .	3602
<i>TransGEC: Improving Grammatical Error Correction with Translationese</i>	
Tao Fang, Xuebo Liu, Derek F. Wong, Runzhe Zhan, Liang Ding, Lidia S. Chao, Dacheng Tao and Min Zhang . . . . .	3614
<i>NewsDialogues: Towards Proactive News Grounded Conversation</i>	
Siheng Li, Yichun Yin, Cheng Yang, Wangjie Jiang, Yiwei Li, Zesen Cheng, Lifeng Shang, Xin Jiang, Qun Liu and Yujia Yang . . . . .	3634
<i>Task-aware Retrieval with Instructions</i>	
Akari Asai, Timo Schick, Patrick Lewis, Xilun Chen, Gautier Izacard, Sebastian Riedel, Hannaneh Hajishirzi and Wen-tau Yih . . . . .	3650
<i>Non-Repeatable Experiments and Non-Reproducible Results: The Reproducibility Crisis in Human Evaluation in NLP</i>	
Anya Belz, Craig Thomson, Ehud Reiter and Simon Mille . . . . .	3676
<i>Define, Evaluate, and Improve Task-Oriented Cognitive Capabilities for Instruction Generation Models</i>	
Lingjun Zhao, Khanh Nguyen and Hal Daumé III . . . . .	3688
<i>Robustness of Multi-Source MT to Transcription Errors</i>	
Dominik Macháček, Peter Polak, Ondřej Bojar and Raj Dabre . . . . .	3707
<i>Not The End of Story: An Evaluation of ChatGPT-Driven Vulnerability Description Mappings</i>	
Xin Liu, Yuan Tan, Zhenghang Xiao, Jianwei Zhuge and Rui Zhou . . . . .	3724
<i>Multi3NLU++: A Multilingual, Multi-Intent, Multi-Domain Dataset for Natural Language Understanding in Task-Oriented Dialogue</i>	
Nikita Moghe, Evgeniia Razumovskaia, Liane K Guillou, Ivan Vulić, Anna Korhonen and Alexandra Birch . . . . .	3732
<i>A Robust Information-Masking Approach for Domain Counterfactual Generation</i>	
Pengfei Hong, Rishabh Bhardwaj, Navonil Majumder, Somak Aditya and Soujanya Poria . . . . .	3756
<i>Misleading Relation Classifiers by Substituting Words in Texts</i>	
Tian Jiang, Yunqi Liu, Yan Feng, Yuqing Li and Xiaohui Cui . . . . .	3770
<i>Automatic Table Union Search with Tabular Representation Learning</i>	
Xuming Hu, Shen Wang, Xiao Qin, Chuan Lei, Zhengyuan Shen, Christos Faloutsos, Asterios Katsifodimos, George Karypis, Lijie Wen and Philip S. Yu . . . . .	3786
<i>Bidirectional Transformer Reranker for Grammatical Error Correction</i>	
Ying Zhang, Hidetaka Kamigaito and Manabu Okumura . . . . .	3801

<i>Not Enough Data to Pre-train Your Language Model? MT to the Rescue!</i> Gorka Urbizu, Iñaki San Vicente, Xabier Saralegi and Ander Corral .....	3826
<i>UMSE: Unified Multi-scenario Summarization Evaluation</i> Shen Gao, Zhitao Yao, Chongyang Tao, Xiuying Chen, Pengjie Ren, Zhaochun Ren and Zhumin CHEN .....	3837
<i>Maximum Entropy Loss, the Silver Bullet Targeting Backdoor Attacks in Pre-trained Language Models</i> Zhengxiao Liu, Bowen Shen, Zheng Lin, Fali Wang and Weiping Wang .....	3850
<i>Improving Named Entity Recognition via Bridge-based Domain Adaptation</i> Jingyun Xu, Changmeng Zheng, Yi Cai and Tat-Seng Chua .....	3869
<i>SANTA: Separate Strategies for Inaccurate and Incomplete Annotation Noise in Distantly-Supervised Named Entity Recognition</i> Shuzheng Si, Zefan Cai, Shuang Zeng, Guoqiang Feng, Jiaying Lin and Baobao Chang ....	3883
<i>The State of Profanity Obfuscation in Natural Language Processing Scientific Publications</i> Debora Nozza and Dirk Hovy .....	3897
<i>Teacher and Student Models of Offensive Language in Social Media</i> Tharindu Ranasinghe and Marcos Zampieri .....	3910
<i>A Simple Yet Strong Domain-Agnostic De-bias Method for Zero-Shot Sentiment Classification</i> Yang Zhao, Tetsuya Nasukawa, Masayasu Muraoka and Bishwaranjan Bhattacharjee .....	3923
<i>Balancing the Effect of Training Dataset Distribution of Multiple Styles for Multi-Style Text Transfer</i> Debarati Das, David Ma and Dongyeop Kang .....	3932
<i>A Benchmark on Extremely Weakly Supervised Text Classification: Reconcile Seed Matching and Prompting Approaches</i> Zihan Wang, Tianle Wang, Dheeraj Mekala and Jingbo Shang .....	3944
<i>Ambiguity Meets Uncertainty: Investigating Uncertainty Estimation for Word Sense Disambiguation</i> Zhu Liu and Ying Liu .....	3963
<i>Zemi: Learning Zero-Shot Semi-Parametric Language Models from Multiple Tasks</i> Zhenhailong Wang, Xiaoman Pan, Dian Yu, Dong Yu, Jianshu Chen and Heng Ji .....	3978
<i>Why Can GPT Learn In-Context? Language Models Secretly Perform Gradient Descent as Meta-Optimizers</i> Damai Dai, Yutao Sun, Li Dong, Yaru Hao, Shuming Ma, Zhifang Sui and Furu Wei .....	4005
<i>Dramatic Conversation Disentanglement</i> Kent K. Chang, Danica Chen and David Bamman .....	4020
<i>Injecting Comparison Skills in Task-Oriented Dialogue Systems for Database Search Results Disambiguation</i> Yongil Kim, Yerin Hwang, Joongbo Shin, Hyunkyung Bae and Kyomin Jung .....	4047
<i>Emergent Modularity in Pre-trained Transformers</i> Zhengyan Zhang, Zhiyuan Zeng, Yankai Lin, Chaojun Xiao, Xiaozhi Wang, Xu Han, Zhiyuan Liu, Ruobing Xie, Maosong Sun and Jie Zhou .....	4066
<i>Universal Information Extraction with Meta-Pretrained Self-Retrieval</i> Xin Cong, Bowen Yu, Mengcheng Fang, Tingwen Liu, Haiyang Yu, Zhongkai Hu, Fei Huang, Yongbin Li and Bin Wang .....	4084

<i>SETI: Systematicity Evaluation of Textual Inference</i> Xiyan Fu and Anette Frank .....	4101
<i>Coarse-to-fine Few-shot Learning for Named Entity Recognition</i> Ruotian Ma, zhang lin, xuanting chen, Xin Zhou, Junzhe Wang, Tao Gui, Qi Zhang, Xiang Gao and Yun Wen Chen .....	4115
<i>Self-Evolution Learning for Discriminative Language Model Pretraining</i> Qihuang Zhong, Liang Ding, Juhua Liu, Bo Du and Dacheng Tao .....	4130
<i>QueryForm: A Simple Zero-shot Form Entity Query Framework</i> Zifeng Wang, Zizhao Zhang, Jacob Devlin, Chen-Yu Lee, Guolong Su, Hao Zhang, Jennifer Dy, Vincent Perot and Tomas Pfister .....	4146
<i>Search-Oriented Conversational Query Editing</i> Kelong Mao, Zhicheng Dou, Bang Liu, Hongjin Qian, Fengran Mo, Xiangli Wu, Xiaohua Cheng and Zhao Cao .....	4160
<i>TAPIR: Learning Adaptive Revision for Incremental Natural Language Understanding with a Two-Pass Model</i> Patrick Kahardipraja, Brielen Madureira and David Schlangen .....	4173
<i>Speaking the Language of Your Listener: Audience-Aware Adaptation via Plug-and-Play Theory of Mind</i> Ece Takmaz, Nicolo' Brandizzi, Mario Giulianelli, Sandro Pezzelle and Raquel Fernandez .	4198
<i>A Semi-Autoregressive Graph Generative Model for Dependency Graph Parsing</i> Ye Ma, Mingming Sun and Ping Li .....	4218
<i>AMR-TST: Abstract Meaning Representation-based Text Style Transfer</i> Kaize Shi, Xueyao Sun, LI HE, Dingxian Wang, Qing Li and Guandong Xu .....	4231
<i>Understanding the Cooking Process with English Recipe Text</i> YI FAN and Anthony Hunter .....	4244
<i>Follow the Wisdom of the Crowd: Effective Text Generation via Minimum Bayes Risk Decoding</i> Mirac Suzgun, Luke Melas-Kyriazi and Dan Jurafsky .....	4265
<i>RobustQA: Benchmarking the Robustness of Domain Adaptation for Open-Domain Question Answering</i> Rujun Han, Peng Qi, Yuhao Zhang, Lan Liu, Juliette Burger, William Yang Wang, zhiheng huang, Bing Xiang and Dan Roth .....	4294
<i>SenteCon: Leveraging Lexicons to Learn Human-Interpretable Language Representations</i> Victoria Lin and Louis-Philippe Morency .....	4312
<i>Reinforcement Learning for Topic Models</i> Jeremy J Costello and Marek Z Reformat .....	4332
<i>Contextualized Soft Prompts for Extraction of Event Arguments</i> Chien Van Nguyen, Hieu Man and Thien Huu Nguyen .....	4352
<i>TextVerifier: Robustness Verification for Textual Classifiers with Certifiable Guarantees</i> Siqi Sun and Wenjie Ruan .....	4362
<i>OASum: Large-Scale Open Domain Aspect-based Summarization</i> Xianjun Yang, Kaiqiang Song, Sangwoo Cho, Xiaoyang Wang, Xiaoman Pan, Linda R Petzold and Dong Yu .....	4381

<i>On the Limitations of Simulating Active Learning</i> Katerina Margatina and Nikolaos Aletras .....	4402
<i>Towards Alleviating the Object Bias in Prompt Tuning-based Factual Knowledge Extraction</i> Yuhang Wang, Dongyuan Lu, Chao Kong and Jitao Sang .....	4420
<i>vONTSS: vMF based semi-supervised neural topic modeling with optimal transport</i> Weijie Xu, Xiaoyu Jiang, Srinivasan Sengamedu Hanumantha Rao, Francis Iannacci and Jinjin Zhao .....	4433
<i>Bias Beyond English: Counterfactual Tests for Bias in Sentiment Analysis in Four Languages</i> Seraphina Goldfarb-Tarrant, Adam Lopez, Roi Blanco and Diego Marcheggiani .....	4458
<i>Complementary Explanations for Effective In-Context Learning</i> Xi Ye, Srinivasan Iyer, Asli Celikyilmaz, Veselin Stoyanov, Greg Durrett and Ramakanth Pasunuru .....	4469
<i>MISMATCH: Fine-grained Evaluation of Machine-generated Text with Mismatch Error Types</i> Keerthiram Murugesan, Sarathkrishna Swaminathan, Soham Dan, Subhajit Chaudhury, Chulaka Gunasekara, Maxwell Crouse, Diwakar Mahajan, Ibrahim Abdelaziz, Achille Fokoue, Pavan Kapanipathi, Salim Roukos and Alexander Gray .....	4485
<i>RHO: Reducing Hallucination in Open-domain Dialogues with Knowledge Grounding</i> Ziwei Ji, Zihan Liu, Nayeon Lee, Tiezheng Yu, Bryan Wilie, Min Zeng and Pascale Fung ..	4504
<i>Transformer Language Models Handle Word Frequency in Prediction Head</i> Goro Kobayashi, Tatsuki Kuribayashi, Sho Yokoi and Kentaro Inui .....	4523
<i>Prompted LLMs as Chatbot Modules for Long Open-domain Conversation</i> Gibbeum Lee, Volker Hartmann, Jongho Park, Dimitris Papailiopoulos and Kangwook Lee	4536
<i>Prompt to be Consistent is Better than Self-Consistent? Few-Shot and Zero-Shot Fact Verification with Pre-trained Language Models</i> Fengzhu Zeng and Wei Gao .....	4555
<i>Model Analysis &amp; Evaluation for Ambiguous Question Answering</i> Konstantinos Papakostas and Irene Papadopoulou .....	4570
<i>Debiasing should be Good and Bad: Measuring the Consistency of Debiasing Techniques in Language Models</i> Robert A. Morabito, Jad Kabbara and Ali Emami .....	4581
<i>Critic-Guided Decoding for Controlled Text Generation</i> Minbeom Kim, Hwanhee Lee, Kang Min Yoo, Joonsuk Park, Hwaran Lee and Kyomin Jung	4598
<i>MedNgage: A Dataset for Understanding Engagement in Patient-Nurse Conversations</i> Yan Wang, Heidi A.S. Donovan, Sabit Hassan and Malihe Alikhani .....	4613
<i>SEAG: Structure-Aware Event Causality Generation</i> Zhengwei Tao, Zhi Jin, Xiaoying Bai, Haiyan Zhao, Chengfeng Dou, yongqiang zhao, Fang Wang and Chongyang Tao .....	4631
<i>Large Language Models Can be Lazy Learners: Analyze Shortcuts in In-Context Learning</i> Ruixiang Tang, Dehan Kong, Longtao Huang and hui xue .....	4645
<i>A Two-Stage Decoder for Efficient ICD Coding</i> Thanh-Tung Nguyen, Viktor Schlegel, Abhinav Ramesh Kashyap and Stefan Winkler .....	4658

<i>Asymmetric feature interaction for interpreting model predictions</i> Xiaolei Lu, Jianghong Ma and Haode Zhang .....	4666
<i>Disagreement Matters: Preserving Label Diversity by Jointly Modeling Item and Annotator Label Distributions with DisCo</i> Tharindu Cyril Weerasooriya, Alexander Ororbia, Raj B Bhensadadia, Ashiqur KhudaBukhsh and Christopher Homan .....	4679
<i>Domain Aligned Prefix Averaging for Domain Generalization in Abstractive Summarization</i> Pranav Ajit Nair, Sukomal Pal and Pradeepika Verma .....	4696
<i>ClaimDiff: Comparing and Contrasting Claims on Contentious Issues</i> Miyoung Ko, Ingyu Seong, Hwaran Lee, Joonsuk Park, Minsuk Chang and Minjoon Seo ...	4711
<i>Unsupervised Paraphrasing of Multiword Expressions</i> Takashi Wada, Yuji Matsumoto, Timothy Baldwin and Jey Han Lau .....	4732
<i>G-Tuning: Improving Generalization of Pre-trained Language Models with Generative Adversarial Network</i> Rongxiang Weng, wen sen Cheng and Min Zhang .....	4747
<i>Unified Language Representation for Question Answering over Text, Tables, and Images</i> Bowen Yu, Cheng Fu, Haiyang Yu, Fei Huang and Yongbin Li .....	4756
<i>A Set Prediction Network For Extractive Summarization</i> Xiaoxia Cheng, Yongliang Shen and Weiming Lu .....	4766
<i>Geo-Seq2seq: Twitter User Geolocation on Noisy Data through Sequence to Sequence Learning</i> Jingyu Zhang, Alexandra DeLucia, Chenyu Zhang and Mark Dredze .....	4778
<i>Predicting Numerals in Text Using Nearest Neighbor Language Models</i> Taku Sakamoto and Akiko Aizawa .....	4795
<i>HonestBait: Forward References for Attractive but Faithful Headline Generation</i> Chih Yao Chen, Dennis Wu and Lun-Wei Ku .....	4810
<i>Few Shot Rationale Generation using Self-Training with Dual Teachers</i> Aditya Srikanth Veerubhotla, Lahari Poddar, Jun Yin, György Szarvas and Sharanya Eswaran	4825
<i>Towards Accurate Translation via Semantically Appropriate Application of Lexical Constraints</i> Yujin Baek, Koanho Lee, Dayeon Ki, Cheonbok Park, Hyoung-Gyu Lee and Jaegul Choo ..	4839
<i>NoisywikiHow: A Benchmark for Learning with Real-world Noisy Labels in Natural Language Processing</i> Tingting Wu, Xiao Ding, Minji Tang, Hao Zhang, Bing Qin and Ting Liu .....	4856
<i>Sampling Better Negatives for Distantly Supervised Named Entity Recognition</i> Lu Xu, Lidong Bing and Wei Lu .....	4874
<i>Prototype-Based Interpretability for Legal Citation Prediction</i> Chu Fei Luo, Rohan Bhambhoria, Samuel Dahan and Xiaodan Zhu .....	4883
<i>LMs stand their Ground: Investigating the Effect of Embodiment in Figurative Language Interpretation by Language Models</i> Philipp Wicke .....	4899

<i>Making Better Use of Training Corpus: Retrieval-based Aspect Sentiment Triplet Extraction via Label Interpolation</i>	
Guoxin Yu, Lemao Liu, Haiyun Jiang, Shuming Shi and Xiang Ao . . . . .	4914
<i>Multi-Domain Dialogue State Tracking with Disentangled Domain-Slot Attention</i>	
Longfei Yang, Jiyi Li, Sheng Li and Takahiro Shinozaki . . . . .	4928
<i>Improved Visual Story Generation with Adaptive Context Modeling</i>	
Zhangyin Feng, Yuchen Ren, Xinmiao Yu, Xiaocheng Feng, Duyu Tang, Shuming Shi and Bing Qin . . . . .	4939
<i>Question-Interlocutor Scope Realized Graph Modeling over Key Utterances for Dialogue Reading Comprehension</i>	
Jiangnan Li, Mo Yu, Fandong Meng, Zheng Lin, Peng Fu, Weiping Wang and Jie Zhou . . . .	4956
<i>Speech-to-Speech Translation for a Real-world Unwritten Language</i>	
Peng-Jen Chen, Kevin Tran, Yilin Yang, Jingfei Du, Justine Kao, Yu-An Chung, Paden D Tomassello, Paul-Ambroise Augustin Duquenne, Holger Schwenk, Hongyu Gong, Hirofumi Inaguma, Sravya Popuri, Changhan Wang, Juan Pino, Wei-Ning Hsu and Ann Lee . . . . .	4969
<i>Code Execution with Pre-trained Language Models</i>	
Chenxiao Liu, Shuai Lu, Weizhu Chen, Daxin Jiang, Alexey Svyatkovskiy, Shengyu Fu, Neel Sundaresan and Nan Duan . . . . .	4984
<i>BertNet: Harvesting Knowledge Graphs with Arbitrary Relations from Pretrained Language Models</i>	
Shibo Hao, Bowen Tan, Kaiwen Tang, Bin Ni, Xiyang Shao, hengzhe zhang, Eric Xing and Zhiting Hu . . . . .	5000
<i>Sequential Path Signature Networks for Personalised Longitudinal Language Modeling</i>	
Talia Tseriotou, Adam Tsakalidis, Peter Foster, Terence J Lyons and Maria Liakata . . . . .	5016
<i>A Multi-modal Debiasing Model with Dynamical Constraint for Robust Visual Question Answering</i>	
Yu Li, Bojie Hu, Fengshuo Zhang, Yahan Yu, Jian Liu, Yufeng Chen and Jinan Xu . . . . .	5032
<i>Trigger-Argument based Explanation for Event Detection</i>	
Yong Guan, Jiaoyan Chen, Freddy Lecue, Jeff Z. Pan, Juanzi Li and Ru Li . . . . .	5046
<i>Interactive Concept Learning for Uncovering Latent Themes in Large Text Collections</i>	
Maria Leonor Pacheco, Tunazzina Islam, Lyle Ungar, Ming Yin and Dan Goldwasser . . . . .	5059
<i>NormMark: A Weakly Supervised Markov Model for Socio-cultural Norm Discovery</i>	
Farhad Moghimifar, shilin qu, Tongtong Wu, Yuan-Fang Li and Gholamreza Haffari . . . . .	5081
<i>VoteTRANS: Detecting Adversarial Text without Training by Voting on Hard Labels of Transformations</i>	
Hoang-Quoc Nguyen-Son, Seira Hidano, Kazuhide Fukushima, Shinsaku Kiyomoto and Isao Echizen . . . . .	5090
<i>Fusion or Defusion? Flexible Vision-and-Language Pre-Training</i>	
Rongyi Sun, Ziran Li, Yifeng Ding, Qifan Wang, Jingang Wang, Haitao Zheng, Wei Wu and Yunsen Xian . . . . .	5105
<i>COCKATIEL: COntinuous Concept ranKed ATtribution with Interpretable ELeMents for explaining neural net classifiers on NLP</i>	
Fanny Jourdan, Agustin Martin Picard, Thomas Fel, Laurent Risser, Jean-Michel Loubes and Nicholas Asher . . . . .	5120

<i>Code-Switched Text Synthesis in Unseen Language Pairs</i>	
I-Hung Hsu, Avik Ray, Shubham Garg, Nanyun Peng and Jing Huang .....	5137
<i>Imagination is All You Need! Curved Contrastive Learning for Abstract Sequence Modeling Utilized on Long Short-Term Dialogue Planning</i>	
Justus-Jonas Erker, Stefan Schaffer and Gerasimos Spanakis .....	5152
<i>Data-Efficient French Language Modeling with CamemBERTa</i>	
Wissam Antoun, Benoît Sagot and Djamé Seddah .....	5174
<i>Coupling Large Language Models with Logic Programming for Robust and General Reasoning from Text</i>	
Zhun Yang, Adam Ishay and Joohyung Lee .....	5186
<i>Evaluating the Factual Consistency of Large Language Models Through News Summarization</i>	
Derek Tam, Anisha Mascarenhas, Shiyue Zhang, Sarah Kwan, Mohit Bansal and Colin Raffel	5220
<i>Text Generation Model Enhanced with Semantic Information in Aspect Category Sentiment Analysis</i>	
Tu Dinh Tran, Kiyooki Shirai and Natthawut Kertkeidkachorn .....	5256
<i>Mind the Biases: Quantifying Cognitive Biases in Language Model Prompting</i>	
Ruixi Lin and Hwee Tou Ng .....	5269
<i>CodePrompt: Task-Agnostic Prefix Tuning for Program and Language Generation</i>	
YunSeok Choi and Jee-Hyong Lee .....	5282
<i>Honey, I Shrunk the Language: Language Model Behavior at Reduced Scale.</i>	
Vijeta Deshpande, Dan Pechi, Shree Thatte, Vladislav Lialin and Anna Rumshisky .....	5298
<i>Communication Efficient Federated Learning for Multilingual Neural Machine Translation with Adapter</i>	
Yi Liu, Xiaohan Bi, Lei Li, Sishuo Chen, Wenkai Yang and Xu Sun .....	5315
<i>Cross-task Knowledge Transfer for Extremely Weakly Supervised Text Classification</i>	
Seongmin Park, kyungho kim and Jihwa Lee .....	5329
<i>GVdoc - Graph-based Visual DOcument Classification</i>	
Fnu Mohbat, Mohammed J Zaki, Catherine Finegan-Dollak and Ashish Verma .....	5342
<i>A Sequence-to-Sequence&amp;Set Model for Text-to-Table Generation</i>	
Tong Li, Zhihao Wang, Liangying Shao, Xuling Zheng, Xiaoli Wang and Jinsong Su .....	5358
<i>Automatic Readability Assessment for Closely Related Languages</i>	
Joseph Marvin Imperial and Ekaterina Kochmar .....	5371
<i>Towards Robust Ranker for Text Retrieval</i>	
Yucheng Zhou, Tao Shen, Xiubo Geng, Chongyang Tao, Can Xu, Guodong Long, Binxing Jiao and Daxin Jiang .....	5387
<i>Semi-Supervised Domain Adaptation for Emotion-Related Tasks</i>	
Mahshid Hosseini and Cornelia Caragea .....	5402
<i>Boosting Distress Support Dialogue Responses with Motivational Interviewing Strategy</i>	
Anuradha Welivita and Pearl Pu .....	5411



<i>ECOLA: Enhancing Temporal Knowledge Embeddings with Contextualized Language Representations</i> Zhen Han, Ruotong Liao, Jindong Gu, Yao Zhang, Zifeng Ding, Yujia Gu, Heinz Koepl, Hinrich Schütze and Volker Tresp .....	5433
<i>Gender-tuning: Empowering Fine-tuning for Debiasing Pre-trained Language Models</i> Somayeh Ghanbarzadeh, Yan Huang, Hamid Palangi, Radames Saul Cruz Moreno and Hamed Khanpour .....	5448
<i>TextObfuscator: Making Pre-trained Language Model a Privacy Protector via Obfuscating Word Representations</i> Xin Zhou, Yi Lu, Ruotian Ma, Tao Gui, Yuran Wang, yong ding, Yibo Zhang, Qi Zhang and Xuanjing Huang .....	5459
<i>Mini-Model Adaptation: Efficiently Extending Pretrained Models to New Languages via Aligned Shallow Training</i> Kelly Marchisio, Patrick Lewis, Yihong Chen and Mikel Artetxe .....	5474
<i>DSP: Discriminative Soft Prompts for Zero-Shot Entity and Relation Extraction</i> Bo Lv, Xin Liu, Shaojie Dai, Nayu Liu, Fan Yang, Ping Luo and Yue Yu .....	5491
<i>Exploring Robust Overfitting for Pre-trained Language Models</i> Bin Zhu and Yanghui Rao .....	5506
<i>Improving Cross-task Generalization of Unified Table-to-text Models with Compositional Task Configurations</i> Jifan Chen, Yuhao Zhang, Lan Liu, Rui Dong, Xinchu Chen, Patrick Ng, William Yang Wang and zhiheng huang .....	5523
<i>D-CALM: A Dynamic Clustering-based Active Learning Approach for Mitigating Bias</i> Sabit Hassan and Malihe Alikhani .....	5540
<i>Language Anisotropic Cross-Lingual Model Editing</i> Yang Xu, Yutai Hou, Wanxiang Che and Min Zhang .....	5554
<i>Diverse Retrieval-Augmented In-Context Learning for Dialogue State Tracking</i> Brendan King and Jeffrey Flanigan .....	5570
<i>Pre-Trained Language-Meaning Models for Multilingual Parsing and Generation</i> Chunliu Wang, Huiyuan Lai, Malvina Nissim and Johan Bos .....	5586
<i>Multi-modal Sarcasm Generation: Dataset and Solution</i> Wenye Zhao, Qingbao Huang, Dongsheng Xu and Peizhi Zhao .....	5601
<i>Rethinking Semi-supervised Learning with Language Models</i> Zhengxiang Shi, Francesco Tonolini, Nikolaos Aletras, Emine Yilmaz, Gabriella Kazai and Yunlong Jiao .....	5614
<i>Retrieval-Based Transformer for Table Augmentation</i> Michael Glass, Xueqing Wu, Ankita Rajaram Naik, Gaetano Rossiello and Alfio Gliozzo ..	5635
<i>ECG-QALM: Entity-Controlled Synthetic Text Generation using Contextual Q&amp;A for NER</i> Karan Aggarwal, Henry Jin and Aitzaz Ahmad .....	5649
<i>Tokenization Impacts Multilingual Language Modeling: Assessing Vocabulary Allocation and Overlap Across Languages</i> Tomasz Limisiewicz, Jiří Balhar and David Mareček .....	5661

<i>The Whole Truth and Nothing But the Truth: Faithful and Controllable Dialogue Response Generation with Dataflow Transduction and Constrained Decoding</i>	
Hao Fang, Anusha Balakrishnan, Harsh Jhamtani, John Bufe, Jean Crawford, Jayant Krishnamurthy, Adam Pauls, Jason Eisner, Jacob Andreas and Dan Klein . . . . .	5682
<i>Know What I don't Know: Handling Ambiguous and Unknown Questions for Text-to-SQL</i>	
Bing Wang, Yan Gao, Zhoujun Li and Jian-Guang LOU . . . . .	5701
<i>Rethinking Document-Level Relation Extraction: A Reality Check</i>	
Jing Li, Yequan Wang, Shuai Zhang and Min Zhang . . . . .	5715
<i>Optimizing Test-Time Query Representations for Dense Retrieval</i>	
Mujeen Sung, Jungsoo Park, Jaewoo Kang, Danqi Chen and Jinhyuk Lee . . . . .	5731
<i>A Customized Text Sanitization Mechanism with Differential Privacy</i>	
Sai Chen, Fengran Mo, Yanhao Wang, Cen CHEN, Jian-Yun Nie, Chengyu Wang and Jamie Cui	5747
<i>LABO: Towards Learning Optimal Label Regularization via Bi-level Optimization</i>	
Peng Lu, Ahmad Rashid, Ivan Kobyzev, Mehdi Rezagholizadeh and Phillippe Langlais . . . .	5759
<i>Frustratingly Easy Label Projection for Cross-lingual Transfer</i>	
Yang Chen, Chao Jiang, Alan Ritter and Wei Xu . . . . .	5775
<i>Enhancing Hierarchical Text Classification through Knowledge Graph Integration</i>	
Ye Liu, Kai Zhang, Zhenya Huang, Kehang Wang, Yanghai Zhang, Qi Liu and Enhong Chen	5797
<i>How Many Answers Should I Give? An Empirical Study of Multi-Answer Reading Comprehension</i>	
Chen Zhang, Jiuheg Lin, Xiao Liu, Yuxuan Lai, Yansong Feng and Dongyan Zhao . . . . .	5811
<i>An Exploration of Encoder-Decoder Approaches to Multi-Label Classification for Legal and Biomedical Text</i>	
Yova Kementchedjhieva and Ilias Chalkidis . . . . .	5828
<i>Domain Incremental Lifelong Learning in an Open World</i>	
Yi Dai, Hao Lang, Yinhe Zheng, Bowen Yu, Fei Huang and Yongbin Li . . . . .	5844
<i>Improving Knowledge Graph Completion with Generative Hard Negative Mining</i>	
Zile Qiao, Wei Ye, Dingyao Yu, Tong Mo, Weiping Li and Shikun Zhang . . . . .	5866
<i>Visually-Enhanced Phrase Understanding</i>	
Tsu-Yuan Hsu, Chen-An Li, Chao-Wei Huang and Yun-Nung Chen . . . . .	5879
<i>Reasoning in Large Language Models Through Symbolic Math Word Problems</i>	
Vedant Gaur and Nikunj Saunshi . . . . .	5889
<i>It's not Sexually Suggestive; It's Educative   Separating Sex Education from Suggestive Content on TikTok videos</i>	
Enfa Rose George and Mihai Surdeanu . . . . .	5904
<i>Dynamic Structured Neural Topic Model with Self-Attention Mechanism</i>	
Nozomu Miyamoto, Masaru Isonuma, Sho Takase, Junichiro Mori and Ichiro Sakata . . . . .	5916
<i>Hybrid-Regressive Paradigm for Accurate and Speed-Robust Neural Machine Translation</i>	
Qiang Wang, Xinhui Hu and MING CHEN . . . . .	5931
<i>Commonsense Knowledge Transfer for Pre-trained Language Models</i>	
Wangchunshu Zhou, Ronan Le Bras and Yejin Choi . . . . .	5946

<i>Shielded Representations: Protecting Sensitive Attributes Through Iterative Gradient-Based Projection</i> Shadi Iskander, Kira Radinsky and Yonatan Belinkov .....	5961
<i>Focal Training and Tagger Decouple for Grammatical Error Correction</i> Minghuan Tan, Min Yang and Ruifeng Xu .....	5978
<i>LET: Leveraging Error Type Information for Grammatical Error Correction</i> Lingyu Yang, Hongjia Li, Lei Li, Chengyin Xu, Shutao Xia and Chun Yuan .....	5986
<i>On the Role of Parallel Data in Cross-lingual Transfer Learning</i> Machel Reid and Mikel Artetxe .....	5999
<i>CoMove: Contrastive Pre-training with Multi-scale Masking for Attribute Value Extraction</i> Xinnan Guo, Wentao Deng, Yongrui Chen, Yang Li, Mengdi Zhou, Guilin Qi, Tianxing Wu, Dong Yang, Liubin Wang and Yong Pan .....	6007
<i>Phrase Retrieval for Open Domain Conversational Question Answering with Conversational Dependency Modeling via Contrastive Learning</i> Soyeong Jeong, Jinheon Baek, Sung Ju Hwang and Jong Park .....	6019
<i>Unlearning Bias in Language Models by Partitioning Gradients</i> Charles Yu, Sullam Jeoung, Anish Kasi, Pengfei Yu and Heng Ji .....	6032
<i>Meta-training with Demonstration Retrieval for Efficient Few-shot Learning</i> Aaron Mueller, Kanika Narang, Lambert Mathias, Qifan Wang and Hamed Firooz .....	6049
<i>VCSUM: A Versatile Chinese Meeting Summarization Dataset</i> Han Wu, Mingjie Zhan, Haochen Tan, Zhaohui Hou, Ding Liang and Linqi Song .....	6065
<i>LEDA: a Large-Organization Email-Based Decision-Dialogue-Act Analysis Dataset</i> Mladen Karan, Prashant Khare, Ravi Shekhar, Stephen McQuistin, Ignacio Castro, Gareth Tyson, Colin Perkins, Patrick G.T. Healey and Matthew Purver .....	6080
<i>Negation Scope Refinement via Boundary Shift Loss</i> Yin Wu and Aixin Sun .....	6090
<i>Towards Diverse and Effective Question-Answer Pair Generation from Children Storybooks</i> Sugyeong Eo, Hyeonseok Moon, Jinsung Kim, Yuna Hur, Jeongwook Kim, SongEun Lee, Changwoo Chun, SUNGSOO PARK and Heuseok Lim .....	6100
<i>Pulling Out All The Full Stops: Punctuation Sensitivity in Neural Machine Translation and Evaluation</i> Prathyusha Jwalapuram .....	6116
<i>Reimagining Retrieval Augmented Language Models for Answering Queries</i> Wang-Chiew Tan, Yuliang Li, Pedro Rodriguez, Richard James, Xi Victoria Lin, Alon Halevy and Wen-tau Yih .....	6131
<i>Numeric Magnitude Comparison Effects in Large Language Models</i> Raj Sanjay Shah, Vijay Marupudi, Reba Koenen, Khushi Bhardwaj and Sashank Varma ....	6147
<i>Multi-Relational Probabilistic Event Representation Learning via Projected Gaussian Embedding</i> Linhai Zhang, Congzhi Zhang and Deyu Zhou .....	6162
<i>PragmatiCQA: A Dataset for Pragmatic Question Answering in Conversations</i> Peng Qi, Nina Du, Christopher D. Manning and Jing Huang .....	6175

<i>Modular and On-demand Bias Mitigation with Attribute-Removal Subnetworks</i> Lukas Hauzenberger, Shahed Masoudian, Deepak Kumar, Markus Schedl and Navid Rekabsaz	6192
<i>Scientific Fact-Checking: A Survey of Resources and Approaches</i> Juraj Vladika and Florian Matthes	6215
<i>Uni-Encoder: A Fast and Accurate Response Selection Paradigm for Generation-Based Dialogue Systems</i> Chiyu Song, Hongliang He, Haofei Yu, Pengfei Fang, Leyang Cui and Zhenzhong Lan	6231
<i>DLAMA: A Framework for Curating Culturally Diverse Facts for Probing the Knowledge of Pretrained Language Models</i> Amr Keleg and Walid Magdy	6245
<i>Self-adaptive Context and Modal-interaction Modeling For Multimodal Emotion Recognition</i> Haozhe Yang, Xianqiang Gao, Jianlong Wu, Tian Gan, Ning Ding, Feijun Jiang and Liqiang Nie	6267
<i>Structure-Discourse Hierarchical Graph for Conditional Question Answering on Long Documents</i> Haowei Du, Yansong Feng, Chen Li, Yang Li, Yunshi Lan and Dongyan Zhao	6282
<i>COBRA Frames: Contextual Reasoning about Effects and Harms of Offensive Statements</i> Xuhui Zhou, Hao Zhu, Akhila Yerukola, Thomas Davidson, Jena D. Hwang, Swabha Swayamdipta and Maarten Sap	6294
<i>Distilling Calibrated Knowledge for Stance Detection</i> Yingjie Li and Cornelia Caragea	6316
<i>PTCSpell: Pre-trained Corrector Based on Character Shape and Pinyin for Chinese Spelling Correction</i> Xiao Wei, Jianbao Huang, Hang Yu and Qian Liu	6330
<i>Disentangling Text Representation With Counter-Template For Unsupervised Opinion Summarization</i> Yanyue Zhang and Deyu Zhou	6344
<i>Evaluation of Question Generation Needs More References</i> Shinhyeok Oh, Hyojun Go, Hyeongdon Moon, Yunsung Lee, Myeongho Jeong, Hyun Seung Lee and Seungtaek Choi	6358
<i>XtremeCLIP: Extremely Parameter-efficient Tuning for Low-resource Vision Language Understanding</i> Moming Tang, Chengyu Wang, Jianing Wang, Chuanqi Tan, Songfang Huang, Cen CHEN and Weining Qian	6368
<i>FACTUAL: A Benchmark for Faithful and Consistent Textual Scene Graph Parsing</i> Zhuang Li, Yuyang Chai, Terry Yue Zhuo, Lizhen Qu, Gholamreza Haffari, Fei Li, Donghong Ji and Quan Hung Tran	6377
<i>Target-Oriented Relation Alignment for Cross-Lingual Stance Detection</i> Ruike Zhang, Nan Xu, Hanxuan Yang, Yuan Tian and Wenji Mao	6391
<i>NonFactS: NonFactual Summary Generation for Factuality Evaluation in Document Summarization</i> Amir Soleimani, Christof Monz and marcel worring	6405
<i>When to Read Documents or QA History: On Unified and Selective Open-domain QA</i> Kyungjae Lee, Sang-eun Han, Seung-won Hwang and Moontae Lee	6420

<i>Interpretable Automatic Fine-grained Inconsistency Detection in Text Summarization</i> Hou Pong Chan, Qi Zeng and Heng Ji .....	6433
<i>A Multi-dimensional study on Bias in Vision-Language models</i> Gabriele Ruggeri and Debora Nozza .....	6445
<i>Correction of Errors in Preference Ratings from Automated Metrics for Text Generation</i> Jan Deriu, Pius von Däniken, Don Tuggener and Mark Cieliebak .....	6456
<i>PEER: Pre-training ELECTRA Extended by Ranking</i> Ru He, Wei Wang, Songfang Huang and Fei Huang .....	6475
<i>ML-LMCL: Mutual Learning and Large-Margin Contrastive Learning for Improving ASR Robustness in Spoken Language Understanding</i> Xuxin Cheng, Bowen Cao, Qichen YE, Zhihong Zhu, Hongxiang Li and Yuexian Zou .....	6492
<i>Guiding Dialogue Agents to Complex Semantic Targets by Dynamically Completing Knowledge Graph</i> Yue Tan, Bo Wang, Anqi Liu, Dongming Zhao, Kun Huang, Ruifang He and Yuexian Hou ..	6506
<i>Chain of Thought Prompting Elicits Knowledge Augmentation</i> Dingjun Wu, Jing Zhang and Xinmei Huang .....	6519
<i>TACR: A Table Alignment-based Cell Selection Method for HybridQA</i> Jian Wu, YICHENG XU, Yan Gao, Jian-Guang LOU, Börje F. Karlsson and Manabu Okumura	6535
<i>Modeling Cross-Cultural Pragmatic Inference with Codenames Duet</i> Omar Shaikh, Caleb Ziemis, William Held, Aryan J Pariani, Fred Morstatter and Diyi Yang ..	6550
<i>Werewolf Among Us: Multimodal Resources for Modeling Persuasion Behaviors in Social Deduction Games</i> Bolin Lai, Hongxin Zhang, Miao Liu, Aryan J Pariani, Fiona Ryan, Wenqi Jia, Shirley Anugrah Hayati, James M Rehg and Diyi Yang .....	6570
<i>Long to reign over us: A Case Study of Machine Translation and a New Monarch</i> Rebecca Knowles and Samuel Larkin .....	6589
<i>A Unified Generative Approach to Product Attribute-Value Identification</i> Keiji Shinzato, Naoki Yoshinaga, Yandi Xia and Wei-Te Chen .....	6599
<i>K-UniMorph: Korean Universal Morphology and its Feature Schema</i> Eunkyul Leah Jo, Kim Kyuwon, Xihan Wu, KyungTae Lim, Jungyeul Park and Chulwoo Park	6613
<i>How does the brain process syntactic structure while listening?</i> SUBBA REDDY OOTA, Mounika Marreddy, Manish Gupta and Raju Surampudi Bapi ....	6624
<i>Towards Imperceptible Document Manipulations against Neural Ranking Models</i> Xuanang Chen, Ben He, Zheng Ye, Le Sun and Yingfei Sun .....	6648
<i>Ask an Expert: Leveraging Language Models to Improve Strategic Reasoning in Goal-Oriented Dialogue Models</i> Qiang Zhang, Jason Naradowsky and Yusuke Miyao .....	6665
<i>SciReviewGen: A Large-scale Dataset for Automatic Literature Review Generation</i> Tetsu Kasanishi, Masaru Isonuma, Junichiro Mori and Ichiro Sakata .....	6695

<i>Revisiting Sample Size Determination in Natural Language Understanding</i>	
Ernie Chang, Muhammad Hassan Rashid, Pin-Jie Lin, Changsheng Zhao, Vera Demberg, Yangyang Shi and Vikas Chandra .....	6716
<i>TransESC: Smoothing Emotional Support Conversation via Turn-Level State Transition</i>	
Weixiang Zhao, Yanyan Zhao, Shilong Wang and Bing Qin .....	6725
<i>Residual Prompt Tuning: improving prompt tuning with residual reparameterization</i>	
Anastasiia Razdaibiedina, Yuning Mao, Madian Khabsa, Mike Lewis, Rui Hou, Jimmy Ba and Amjad Almahairi .....	6740
<i>Attend, Select and Eliminate: Accelerating Multi-turn Response Selection with Dual-attention-based Content Elimination</i>	
Jianxin Liang, Chang Liu, Chongyang Tao, Jiazhan Feng and Dongyan Zhao.....	6758
<i>Medical Dialogue Generation via Dual Flow Modeling</i>	
Kaishuai Xu, Wenjun Hou, Yi Cheng, Jian Wang and Wenjie Li .....	6771
<i>Listen, Decipher and Sign: Toward Unsupervised Speech-to-Sign Language Recognition</i>	
Liming Wang, Junrui Ni, Heting Gao, Jialu Li, Kai Chieh Chang, Xulin Fan, Junkai Wu, Mark Hasegawa-Johnson and Chang D. Yoo.....	6785
<i>Distinguishing Address vs. Reference Mentions of Personal Names in Text</i>	
Vinodkumar Prabhakaran, Aida Mostafazadeh Davani, Melissa Ferguson and Stav Atir ....	6801
<i>Low-ResourceText Classification: A Parameter-Free Classification Method with Compressors</i>	
Zhiying Jiang, Matthew Yang, Mikhail Tsirlin, Raphael Tang, Yiqin Dai and Jimmy Lin ...	6810
<i>LR-Sum: Summarization for Less-Resourced Languages</i>	
Chester Palen-Michel and Constantine Lignos .....	6829
<i>RQUGE: Reference-Free Metric for Evaluating Question Generation by Answering the Question</i>	
Alireza Mohammadshahi, Thomas Scialom, Majid Yazdani, Pouya Yanki, Angela Fan, James Henderson and Marzieh Saeidi .....	6845
<i>Unsupervised Semantic Variation Prediction using the Distribution of Sibling Embeddings</i>	
Taichi Aida and Danushka Bollegala.....	6868
<i>TransFormer: Slow-Fast Transformer for Machine Translation</i>	
Bei Li, Yi Jing, Xu Tan, Zhen Xing, Tong Xiao and Jingbo Zhu.....	6883
<i>Mitigating the Learning Bias towards Repetition by Self-Contrastive Training for Open-Ended Generation</i>	
Jian Guan and Minlie Huang .....	6897
<i>Digging out Discrimination Information from Generated Samples for Robust Visual Question Answering</i>	
Zhiquan Wen, Yaowei Wang, Mingkui Tan, Qingyao Wu and Qi Wu .....	6910
<i>Words as Gatekeepers: Measuring Discipline-specific Terms and Meanings in Scholarly Publications</i>	
Li Lucy, Jesse Dodge, David Bamman and Katherine A Keith .....	6929
<i>Trade-Offs Between Fairness and Privacy in Language Modeling</i>	
Cleo Matzken, Steffen Eger and Ivan Habernal.....	6948
<i>CSS: A Large-scale Cross-schema Chinese Text-to-SQL Medical Dataset</i>	
Hanchong Zhang, Jieyu Li, Lu Chen, Ruisheng Cao, Yunyan Zhang, Yu Huang, Yefeng Zheng and Kai Yu .....	6970

<i>Silver Syntax Pre-training for Cross-Domain Relation Extraction</i>	
Elisa Bassignana, Filip Ginter, Sampo Pyysalo, Rob van der Goot and Barbara Plank . . . . .	6984
<i>FastDiff2: Revisiting and Incorporating GANs and Diffusion Models in High-Fidelity Speech Synthesis</i>	
Rongjie Huang, Yi Ren, Ziyue Jiang, Chenye Cui, Jinglin Liu and Zhou Zhao . . . . .	6994
<i>Uncovering Hidden Consequences of Pre-training Objectives in Sequence-to-Sequence Models</i>	
Tannon Kew and Rico Sennrich . . . . .	7010
<i>Exploring Anisotropy and Outliers in Multilingual Language Models for Cross-Lingual Semantic Sentence Similarity</i>	
Katharina Haemmerl, Alina Fastowski, Jindřich Libovický and Alexander Fraser . . . . .	7023
<i>Revisiting Sentence Union Generation as a Testbed for Text Consolidation</i>	
Eran Hirsch, Valentina Pyatkin, Ruben Wolhandler, Avi Caciularu, Asi Shefer and Ido Dagan	7038
<i>Distilling Reasoning Capabilities into Smaller Language Models</i>	
Kumar Shridhar, Alessandro Stolfo and Mrinmaya Sachan . . . . .	7059
<i>AlignSTS: Speech-to-Singing Conversion via Cross-Modal Alignment</i>	
Ruiqi Li, Rongjie Huang, Lichao Zhang, Jinglin Liu and Zhou Zhao . . . . .	7074
<i>A New Task and Dataset on Detecting Attacks on Human Rights Defenders</i>	
Shihao Ran, Di Lu, Aoife Cahill, Joel Tetreault and Alejandro Jaimes . . . . .	7089
<i>Improving Language Model Integration for Neural Machine Translation</i>	
Christian Herold, Yingbo Gao, Mohammad Zeineldeen and Hermann Ney . . . . .	7114
<i>Type Enhanced BERT for Correcting NER Errors</i>	
Kuai Li, Chen Chen, Tao Yang, Tianming Du, Peijie Yu, dong du and Feng Zhang . . . . .	7124
<i>Bridge the Gap Between CV and NLP! A Gradient-based Textual Adversarial Attack Framework</i>	
Lifan Yuan, YiChi Zhang, Yangyi Chen and Wei Wei . . . . .	7132
<i>DUB: Discrete Unit Back-translation for Speech Translation</i>	
Dong Zhang, Rong Ye, Tom Ko, Mingxuan Wang and Yaqian Zhou . . . . .	7147
<i>Knowledge Graph Embeddings using Neural Ito Process: From Multiple Walks to Stochastic Trajectories</i>	
Mojtaba Nayyeri, Bo Xiong, Majid Mohammadi, Mst. Mahfuja Akter, Mirza Mohtashim Alam, Jens Lehmann and Steffen Staab . . . . .	7165
<i>Leveraging Denoised Abstract Meaning Representation for Grammatical Error Correction</i>	
Hejing Cao and Dongyan Zhao . . . . .	7180
<i>Prediction and Calibration: Complex Reasoning over Knowledge Graph with Bi-directional Directed Acyclic Graph Neural Network</i>	
Yao Xu, Shizhu He, Li Cai, Kang Liu and Jun Zhao . . . . .	7189
<i>Prompt-Based Metric Learning for Few-Shot NER</i>	
Yanru Chen, Yanan Zheng and Zhilin Yang . . . . .	7199
<i>OpenPI-C: A Better Benchmark and Stronger Baseline for Open-Vocabulary State Tracking</i>	
Xueqing Wu, Sha Li and Heng Ji . . . . .	7213
<i>I run as fast as a rabbit, can you? A Multilingual Simile Dialogues Datasets</i>	
Longxuan Ma, Wei-Nan Zhang, Shuhan Zhou, churui sun, Changxin Ke and Ting Liu . . . . .	7223

<i>Controllable Conversation Generation with Conversation Structures via Diffusion Models</i>	
Jiaao Chen and Diyi Yang .....	7238
<i>Few-shot Low-resource Knowledge Graph Completion with Reinforced Task Generation</i>	
Shichao Pei, qiannan zhang and Xiangliang Zhang .....	7252
<i>Incomplete Utterance Rewriting as Sequential Greedy Tagging</i>	
Yunshan Chen .....	7265
<i>Exploiting Commonsense Knowledge about Objects for Visual Activity Recognition</i>	
Tianyu Jiang and Ellen Riloff .....	7277
<i>Tucker Decomposition with Frequency Attention for Temporal Knowledge Graph Completion</i>	
Likang Xiao, Richong Zhang, Zijie Chen and Junfan Chen .....	7286
<i>Another Dead End for Morphological Tags? Perturbed Inputs and Parsing</i>	
Alberto Muñoz-Ortiz and David Vilares .....	7301
<i>HeGeL: A Novel Dataset for Geo-Location from Hebrew Text</i>	
Tzuf Paz-Argaman, Tal Bauman, Itai Mondshine, Itzhak Omer, Sagi Dalyot and Reut Tsarfaty	
7311	
<i>Modeling Adversarial Attack on Pre-trained Language Models as Sequential Decision Making</i>	
Xuanjie Fang, Sijie Cheng, Yang Liu and wei wang .....	7322
<i>Towards Robust Personalized Dialogue Generation via Order-Insensitive Representation Regularization</i>	
Liang CHEN, Hongru Wang, Yang Deng, Wai Chung Kwan, Zezhong WANG and Kam-Fai Wong	
7337	
<i>Cost-effective Distillation of Large Language Models</i>	
Sayantana Dasgupta, Trevor Cohn and Timothy Baldwin .....	7346
<i>Task-Optimized Adapters for an End-to-End Task-Oriented Dialogue System</i>	
Namo Bang, Jeehyun Lee and Myoung-Wan Koo .....	7355
<i>I Spy a Metaphor: Large Language Models and Diffusion Models Co-Creat Visual Metaphors</i>	
Tuhin Chakrabarty, Arkadiy Saakyan, Olivia Winn, Artemis Panagopoulou, Yue Yang, Marianna	
Apidianaki and Smaranda Muresan .....	7370
<i>Text Augmentation Using Dataset Reconstruction for Low-Resource Classification</i>	
Adir Rahamim, Guy Uziel, Esther Goldbraich and Ateret Anaby Tavor .....	7389
<i>LaSQuE: Improved Zero-Shot Classification from Explanations Through Quantifier Modeling and Curriculum Learning</i>	
Sayan Ghosh, Rakesh R. Menon and Shashank Srivastava .....	7403
<i>Learned Adapters Are Better Than Manually Designed Adapters</i>	
Yuming Zhang, Peng Wang, Ming Tan and Wei Zhu .....	7420
<i>Automatic Identification of Code-Switching Functions in Speech Transcripts</i>	
Ritu Madhura Belani and Jeffrey Flanigan .....	7438
<i>Federated Domain Adaptation for Named Entity Recognition via Distilling with Heterogeneous Tag Sets</i>	
Rui Wang, Tong Yu, Junda Wu, Handong Zhao, Sungchul Kim, Ruiyi Zhang, Subrata Mitra and	
Ricardo Henao .....	7449



<i>Interpreting Sentiment Composition with Latent Semantic Tree</i>	
Zhongtao Jiang, Yuanzhe Zhang, Cao Liu, Jiansong Chen, Jun Zhao and Kang Liu . . . . .	7464
<i>Beyond Positive Scaling: How Negation Impacts Scaling Trends of Language Models</i>	
Yuhui Zhang, Michihiro Yasunaga, Zhengping Zhou, Jeff Z. HaoChen, James Zou, Percy Liang and Serena Yeung . . . . .	7479
<i>Contrastive Training Improves Zero-Shot Classification of Semi-structured Documents</i>	
Muhammad Khalifa, Yogarshi Vyas, Shuai Wang, Graham Horwood, Sunil Mallya and Miguel Ballesteros . . . . .	7499
<i>Extracting Shopping Interest-Related Product Types from the Web</i>	
Yinghao Li, Colin Lockard, Prashant Shiralkar and Chao Zhang . . . . .	7509
<i>Multilingual Pre-training with Self-supervision from Global Co-occurrence Information</i>	
Xi Ai and Bin Fang . . . . .	7526
<i>Low-Rank Updates of pre-trained Weights for Multi-Task Learning</i>	
Alexandre Daniel AUDIBERT, Massih R Amini, Konstantin Usevich and Marianne Clausel	7544
<i>Sequential Integrated Gradients: a simple but effective method for explaining language models</i>	
Joseph Enguehard . . . . .	7555
<i>DiffuDetox: A Mixed Diffusion Model for Text Detoxification</i>	
Griffin F Floto, Mohammad Mahdi Abdollah Pour, Parsa Farinneya, Zhenwei Tang, Ali Pesaranghader, Manasa Bharadwaj and Scott P Sanner . . . . .	7566
<i>Separating Context and Pattern: Learning Disentangled Sentence Representations for Low-Resource Extractive Summarization</i>	
Ruifeng Yuan, Shichao Sun, zili Wang, Ziqiang Cao and Wenjie Li . . . . .	7575
<i>Disentangling Reasoning Capabilities from Language Models with Compositional Reasoning Transformers</i>	
Wanjun Zhong, Tingting Ma, Jiahai Wang, Jian Yin, Tiejun Zhao, Chin-Yew Lin and Nan Duan	7587
<i>Towards Argument-Aware Abstractive Summarization of Long Legal Opinions with Summary Reranking</i>	
Mohamed Elaraby, Yang Zhong and Diane Litman . . . . .	7601
<i>Probabilistic Transformer: A Probabilistic Dependency Model for Contextual Word Representation</i>	
Haoyi Wu and Kewei Tu . . . . .	7613
<i>Joint Speech Transcription and Translation: Pseudo-Labeling with Out-of-Distribution Data</i>	
Mozhdeh Gheini, Tatiana Likhomanenko, Matthias Sperber and Hendra Setiawan . . . . .	7637
<i>Word-level Prefix/Suffix Sense Detection: A Case Study on Negation Sense with Few-shot Learning</i>	
Yameng Li, Zicheng Li, Ying Chen and Shoushan Li . . . . .	7651
<i>End-to-End Simultaneous Speech Translation with Differentiable Segmentation</i>	
Shaolei Zhang and Yang Feng . . . . .	7659
<i>Joint Generator-Ranker Learning for Natural Language Generation</i>	
Weizhou Shen, Yeyun Gong, Yelong Shen, Song Wang, Xiaojun Quan, Nan Duan and Weizhu Chen . . . . .	7681
<i>Multilingual Sequence-to-Sequence Models for Hebrew NLP</i>	
Matan Eyal, Hila Noga, Roei Aharoni, Idan Szpektor and Reut Tsarfaty . . . . .	7700

<i>Multilingual Knowledge Graph Completion from Pretrained Language Models with Knowledge Constraints</i>	
Ran Song, Shizhu He, Shengxiang Gao, Li Cai, Kang Liu, Zhengtao YU and Jun Zhao . . . .	7709
<i>Towards Better Hierarchical Text Classification with Data Generation</i>	
Yue Wang, Dan Qiao, Juntao Li, Jinxiong Chang, Qishen Zhang, Zhongyi Liu, Guannan Zhang and Min Zhang . . . . .	7722
<i>History repeats: Overcoming catastrophic forgetting for event-centric temporal knowledge graph completion</i>	
Mehrnoosh Mirtaheri, Mohammad Rostami and Aram Galstyan . . . . .	7740
<i>Multi-Agent Language Learning: Symbolic Mapping</i>	
Yicheng Feng and Zongqing Lu . . . . .	7756
<i>Scaling Laws for BERT in Low-Resource Settings</i>	
Gorka Urbizu, Iñaki San Vicente, Xabier Saralegi, Rodrigo Agerri and Aitor Soroa . . . . .	7771
<i>Pre-trained Language Model with Prompts for Temporal Knowledge Graph Completion</i>	
Wenjie Xu, Ben Liu, Miao Peng, Xu Jia and Min Peng . . . . .	7790
<i>Is Continuous Prompt a Combination of Discrete Prompts? Towards a Novel View for Interpreting Continuous Prompts</i>	
Tianjie Ju, Yubin Zheng, Hanyi Wang, Haodong Zhao and Gongshen Liu . . . . .	7804
<i>Putting Natural in Natural Language Processing</i>	
Grzegorz Chrupała . . . . .	7820
<i>Impact of Adversarial Training on Robustness and Generalizability of Language Models</i>	
Enes Altinisik, Hassan Sajjad, Husrev Taha Sencar, Safa Messaoud and Sanjay Chawla . . . .	7828
<i>Benchmarking Diverse-Modal Entity Linking with Generative Models</i>	
Sijia Wang, Alexander Hanbo Li, Henghui Zhu, Sheng Zhang, Pramuditha Perera, Chung-Wei Hang, Jie Ma, William Yang Wang, Zhiguo Wang, Vittorio Castelli, Bing Xiang and Patrick Ng .	7841
<i>Improving Empathetic Dialogue Generation by Dynamically Infusing Commonsense Knowledge</i>	
Hua Cai, Xuli Shen, Qing Xu, Weilin Shen, Xiaomei Wang, Weifeng Ge, Xiaoqing Zheng and Xiangyang Xue . . . . .	7858
<i>Additive manifesto decomposition: A policy domain aware method for understanding party positioning</i>	
Tanise Ceron, Dmitry Nikolaev and Sebastian Padó . . . . .	7874
<i>Similarizing the Influence of Words with Contrastive Learning to Defend Word-level Adversarial Text Attack</i>	
Pengwei Zhan, Jing Yang, He Wang, Chao Zheng, Xiao Huang and Liming Wang . . . . .	7891
<i>Responsibility Perspective Transfer for Italian Femicide News</i>	
Gosse Minnema, Huiyuan Lai, Benedetta Muscato and Malvina Nissim . . . . .	7907
<i>Stereotypes and Smut: The (Mis)representation of Non-cisgender Identities by Text-to-Image Models</i>	
Eddie L. Ungless, Bjorn Ross and Anne Lauscher . . . . .	7919
<i>Fine-grained Artificial Neurons in Audio-transformers for Disentangling Neural Auditory Encoding</i>	
Mengyue Zhou, Xu Liu, David Liu, Zihao Wu, Zhengliang Liu, Lin Zhao, Dajiang Zhu, Lei Guo, Junwei Han, Tianming Liu and Xintao Hu . . . . .	7943
<i>Deeply Coupled Cross-Modal Prompt Learning</i>	
Xuejing Liu, Wei Tang, Jinghui Lu, Rui Zhao, Zhaojun Guo and Fei Tan . . . . .	7957

<i>Opinion Tree Parsing for Aspect-based Sentiment Analysis</i>	
Xiaoyi Bao, Xiaotong Jiang, Zhongqing Wang, Yue Zhang and Guodong Zhou . . . . .	7971
<i>CoMix: Guide Transformers to Code-Mix using POS structure and Phonetics</i>	
Gaurav Arora, Srujana Merugu and Vivek Varadarajan Sembium . . . . .	7985
<i>Distilling Step-by-Step! Outperforming Larger Language Models with Less Training Data and Smaller Model Sizes</i>	
Cheng-Yu Hsieh, Chun-Liang Li, CHIH-KUAN YEH, Hootan Nakhost, Yasuhisa Fujii, Alex Jason Ratner, Ranjay Krishna, Chen-Yu Lee and Tomas Pfister . . . . .	8003
<i>Prosody-TTS: Improving Prosody with Masked Autoencoder and Conditional Diffusion Model For Expressive Text-to-Speech</i>	
Rongjie Huang, Chunlei Zhang, Yi Ren, Zhou Zhao and Dong Yu . . . . .	8018
<i>Duplex Diffusion Models Improve Speech-to-Speech Translation</i>	
Xianchao Wu . . . . .	8035
<i>Global and Local Hierarchy-aware Contrastive Framework for Implicit Discourse Relation Recognition</i>	
Yuxin Jiang, Linhan Zhang and Wei Wang . . . . .	8048
<i>PreQuant: A Task-agnostic Quantization Approach for Pre-trained Language Models</i>	
Zhuocheng Gong, Jiahao Liu, Qifan Wang, Yang Yang, Jingang Wang, Wei Wu, Yunsen Xian, Dongyan Zhao and Rui Yan . . . . .	8065
<i>Synthetic Pre-Training Tasks for Neural Machine Translation</i>	
Zexue He, Graeme Blackwood, Rameswar Panda, Julian McAuley and Rogerio Feris . . . . .	8080
<i>IDOL: Indicator-oriented Logic Pre-training for Logical Reasoning</i>	
Zihang Xu, Ziqing Yang, Yiming Cui and Shijin Wang . . . . .	8099
<i>Adversarial Training for Low-Resource Disfluency Correction</i>	
Vineet Bhat, Preethi Jyothi and Pushpak Bhattacharyya . . . . .	8112
<i>Computer says No": The Case Against Empathetic Conversational AI</i>	
Alba A Cercas Curry and Amanda Cercas Curry . . . . .	8123
<i>Stubborn Lexical Bias in Data and Models</i>	
Sofia Serrano, Jesse Dodge and Noah A. Smith . . . . .	8131
<i>Distilling Efficient Language-Specific Models for Cross-Lingual Transfer</i>	
Alan Ansell, Edoardo Maria Ponti, Anna Korhonen and Ivan Vulić . . . . .	8147
<i>An Extensive Exploration of Back-Translation in 60 Languages</i>	
Paul McNamee and Kevin Duh . . . . .	8166
<i>AoM: Detecting Aspect-oriented Information for Multimodal Aspect-Based Sentiment Analysis</i>	
Ru Zhou, Wenya Guo, Xumeng Liu, Shenglong Yu, Ying Zhang and Xiaojie Yuan . . . . .	8184
<i>Forecasting Earnings Surprises from Conference Call Transcripts</i>	
Ross Koval, Nicholas Andrews and Xifeng Yan . . . . .	8197
<i>MTCue: Learning Zero-Shot Control of Extra-Textual Attributes by Leveraging Unstructured Context in Neural Machine Translation</i>	
Sebastian T. Vincent, Robert James Flynn and Carolina Scarton . . . . .	8210
<i>Evaluation for Change</i>	
Rishi Bommasani . . . . .	8227

<i>Reconstruction Probing</i>	
Najoung Kim, Jatin Khilnani, Alex Warstadt and Abdelrahim Qaddoumi .....	8240
<i>Towards Distribution-shift Robust Text Classification of Emotional Content</i>	
Luana Bulla, Aldo Gangemi and Misael Mongiovi' .....	8256
<i>Multi-lingual and Multi-cultural Figurative Language Understanding</i>	
Anubha Kabra, Emmy Liu, Simran Khanuja, Alham Fikri Aji, Genta Indra Winata, Samuel Cahyawijaya, Anuoluwapo Aremu, Perez Ogayo and Graham Neubig .....	8269
<i>Open-WikiTable : Dataset for Open Domain Question Answering with Complex Reasoning over Table</i>	
Sunjun Kweon, Yeonsu Kwon, Seonhee Cho, Yohan Jo and Edward Choi .....	8285
<i>What In-Context Learning Learns In-Context: Disentangling Task Recognition and Task Learning</i>	
Jane Pan, Tianyu Gao, Howard Chen and Danqi Chen .....	8298
<i>Cross-Lingual Retrieval Augmented Prompt for Low-Resource Languages</i>	
Ercong Nie, Sheng Liang, Helmut Schmid and Hinrich Schütze .....	8320
<i>Unsupervised Summarization Re-ranking</i>	
Mathieu Ravaut, Shafiq Joty and Nancy Chen .....	8341
<i>GRACE: Gradient-guided Controllable Retrieval for Augmenting Attribute-based Text Generation</i>	
Zhijia Wen, Zhiliang Tian, Zhen Huang, Yuxin Yang, Zexin Jian, Changjian Wang and Dongsheng Li .....	8377
<i>So many design choices: Improving and interpreting neural agent communication in signaling games</i>	
Timothee Bernard and Timothee Mickus .....	8399
<i>Constructing Word-Context-Coupled Space Aligned with Associative Knowledge Relations for Interpretable Language Modeling</i>	
Fanyu Wang and Zhenping Xie .....	8414
<i>Fixed Input Parameterization for Efficient Prompting</i>	
Eunbi Choi, Yongrae Jo, Joel Jang, Joonwon Jang and Minjoon Seo .....	8428
<i>Data Augmentation for Low-Resource Keyphrase Generation</i>	
Krishna K Garg, Jishnu Ray Chowdhury and Cornelia Caragea .....	8442
<i>BigVideo: A Large-scale Video Subtitle Translation Dataset for Multimodal Machine Translation</i>	
Liyang Kang, Luyang Huang, Ningxin Peng, Peihao Zhu, Zewei Sun, Shanbo Cheng, Mingxuan Wang, Degen Huang and Jinsong Su .....	8456
<i>Constructing Procedural Graphs with Multiple Dependency Relations: A New Dataset and Baseline</i>	
Haopeng Ren, Yushi Zeng, Yi Cai, Bihan Zhou and Zetao Lian .....	8474
<i>Multi-Dimensional Evaluation of Text Summarization with In-Context Learning</i>	
Sameer Jain, Vaishakh Keshava, Swarnashree Mysore Sathyendra, Patrick Fernandes, Pengfei Liu, Graham Neubig and Chunting Zhou .....	8487
<i>Learning to Rank Utterances for Query-Focused Meeting Summarization</i>	
Xingxian Liu and Yajing Xu .....	8496
<i>Neural Architecture Search for Parameter-Efficient Fine-tuning of Large Pre-trained Language Models</i>	
Neal G Lawton, Anoop Kumar, Govind Thattai, Aram Galstyan and Greg Ver Steeg .....	8506

<i>Aligning Offline Metrics and Human Judgments of Value for Code Generation Models</i> Victor Dibia, Adam Fourney, Gagan Bansal, Forough Poursabzi-Sangdeh, Han Liu and Saleema Amershi .....	8516
<i>Do transformer models do phonology like a linguist?</i> Saliha Muradoglu and Mans Hulden .....	8529
<i>DiMS: Distilling Multiple Steps of Iterative Non-Autoregressive Transformers for Machine Translation</i> Sajad Norouzi, Rasa Hosseinzadeh, Felipe Perez and Maksims Volkovs .....	8538
<i>Retrieval-augmented Video Encoding for Instructional Captioning</i> Yeonjoon Jung, Minsoo Kim, Seungtaek Choi, Jihyuk Kim, Minji Seo and Seung-won Hwang	8554
<i>Bi-level Finetuning with Task-dependent Similarity Structure for Low-resource Training</i> Sai Ashish Somayajula, Lifeng Jin, Linfeng Song, Haitao Mi and Dong Yu .....	8569
<i>Kanbun-LM: Reading and Translating Classical Chinese in Japanese Methods by Language Models</i> Hao Wang, Hirofumi Shimizu and Daisuke Kawahara .....	8589
<i>Adaptive Attention for Sparse-based Long-sequence Transformer</i> Xuanyu Zhang, Zhepeng Lv and Qing Yang .....	8602
<i>Sentiment Analysis using the Relationship between Users and Products</i> Natthawut Kertkeidkachorn and Kiyooki Shirai .....	8611
<i>Entropy-guided Vocabulary Augmentation of Multilingual Language Models for Low-resource Tasks</i> Arijit Nag, bidisha Samanta, Animesh Mukherjee, Niloy Ganguly and Soumen Chakrabarti	8619
<i>Class-Adaptive Self-Training for Relation Extraction with Incompletely Annotated Training Data</i> Qingyu Tan, Lu Xu, Lidong Bing and Hwee Tou Ng .....	8630
<i>Solving Cosine Similarity Underestimation between High Frequency Words by <math>\ell_2</math> Norm Discounting</i> Saeth Wannasupphrasit, Yi Zhou and Danushka Bollegala .....	8644
<i>Do Large Language Models Know What They Don't Know?</i> Zhangyue Yin, Qiushi Sun, Qipeng Guo, Jiawen Wu, Xipeng Qiu and Xuanjing Huang ....	8653
<i>AltCLIP: Altering the Language Encoder in CLIP for Extended Language Capabilities</i> Zhongzhi Chen, Guang Liu, Bo-Wen Zhang, Qinghong Yang and Ledell Y. Wu .....	8666
<i>RHGN: Relation-gated Heterogeneous Graph Network for Entity Alignment in Knowledge Graphs</i> Xukai Liu, Kai Zhang, Ye Liu, Enhong Chen, Zhenya Huang, Linan Yue and Jiaxian Yan ..	8683
<i>Feature Interactions Reveal Linguistic Structure in Language Models</i> Jaap Jumelet and Willem Zuidema .....	8697
<i>Clustering-Aware Negative Sampling for Unsupervised Sentence Representation</i> Jinghao Deng, Fanqi Wan, Tao Yang, Xiaojun Quan and Rui Wang .....	8713
<i>An Effective Deployment of Contrastive Learning in Multi-label Text Classification</i> Nankai Lin, Guanqiu Qin, Gang Ji Wang, Dong Zhou and Aimin Yang .....	8730
<i>Segment-Level and Category-Oriented Network for Knowledge-Based Referring Expression Comprehension</i> Yuqi Bu, Xin Wu, Liuwu Li, Yi Cai, Qiong Liu and Qingbao Huang .....	8745

<i>MVP: Multi-task Supervised Pre-training for Natural Language Generation</i> Tianyi Tang, Junyi Li, Wayne Xin Zhao and Ji-Rong Wen .....	8758
<i>From Alignment to Entailment: A Unified Textual Entailment Framework for Entity Alignment</i> Yu Zhao, Yike Wu, Xiangrui Cai, Ying Zhang, Haiwei Zhang and Xiaojie Yuan .....	8795
<i>It is a Bird Therefore it is a Robin: On BERT's Internal Consistency Between Hypernym Knowledge and Logical Words</i> Nicolas Pierre Guerin and Emmanuel Chemla .....	8807
<i>Defending against Insertion-based Textual Backdoor Attacks via Attribution</i> Jiazhao Li, Zhuofeng Wu, Wei Ping, Chaowei Xiao and V.G.Vinod Vydiswaran .....	8818
<i>ActiveAED: A Human in the Loop Improves Annotation Error Detection</i> Leon Weber and Barbara Plank .....	8834
<i>Assessing Word Importance Using Models Trained for Semantic Tasks</i> David Javorsky, Ondřej Bojar and François Yvon .....	8846
<i>In-context Examples Selection for Machine Translation</i> Sweta Agrawal, Chunting Zhou, Mike Lewis, Luke Zettlemoyer and Marjan Ghazvininejad	8857
<i>PropSegmEnt: A Large-Scale Corpus for Proposition-Level Segmentation and Entailment Recognition</i> Sihao Chen, Senaka Buthpitiya, Alex Fabrikant, Dan Roth and Tal Schuster .....	8874
<i>CIF-PT: Bridging Speech and Text Representations for Spoken Language Understanding via Continuous Integrate-and-Fire Pre-Training</i> Linhao Dong, Zhecheng An, Peihao Wu, Jun Zhang, Lu Lu and MA Zejun .....	8894
<i>Improving Diachronic Word Sense Induction with a Nonparametric Bayesian method</i> Ashjan Alsulaimani and Erwan Moreau .....	8908
<i>What to Fuse and How to Fuse: Exploring Emotion and Personality Fusion Strategies for Explainable Mental Disorder Detection</i> Sourabh Satish Zanwar, Xiaofei Li, Daniel Wiechmann, Yu Qiao and Elma Kerz .....	8926
<i>Adaptive Contrastive Knowledge Distillation for BERT Compression</i> Jinyang Guo, Jiaheng Liu, Zining Wang, Yuqing Ma, Ruihao Gong, Ke Xu and Xianglong Liu	8941
<i>Fourier Transformer: Fast Long Range Modeling by Removing Sequence Redundancy with FFT Operator</i> Ziwei He, Meng Yang, Minwei Feng, Jingcheng Yin, Xinbing Wang, Jingwen Leng and Zhouhan Lin .....	8954
<i>Zero-Shot Classification by Logical Reasoning on Natural Language Explanations</i> Chi Han, Hengzhi Pei, Xinya Du and Heng Ji .....	8967
<i>Dual-Gated Fusion with Prefix-Tuning for Multi-Modal Relation Extraction</i> Qian Li, Shu Guo, Cheng Ji, Xutan Peng, Shiyao Cui, Jianxin Li and Lihong Wang .....	8982
<i>Pruning Pre-trained Language Models with Principled Importance and Self-regularization</i> Siyu Ren and Kenny Q. Zhu .....	8995
<i>The Magic of IF: Investigating Causal Reasoning Abilities in Large Language Models of Code</i> Xiao Liu, Da Yin, Chen Zhang, Yansong Feng and Dongyan Zhao .....	9009

<i>Learning to Leverage High-Order Medical Knowledge Graph for Joint Entity and Relation Extraction</i> Zhe YANG, Yi Huang and Junlan Feng .....	9023
<i>Data-Efficient Finetuning Using Cross-Task Nearest Neighbors</i> Hamish Ivison, Noah A. Smith, Hannaneh Hajishirzi and Pradeep Dasigi .....	9036
<i>CoAug: Combining Augmentation of Labels and Labelling Rules</i> Rakesh R. Menon, Bingqing Wang, Jun Araki, Zhengyu Zhou, Zhe Feng and Liu Ren .....	9062
<i>Entity-to-Text based Data Augmentation for various Named Entity Recognition Tasks</i> Xuming Hu, Yong Jiang, Aiwei Liu, Zhongqiang Huang, Pengjun Xie, Fei Huang, Lijie Wen and Philip S. Yu .....	9072
<i>World Models for Math Story Problems</i> Andreas Opedal, Niklas Stoehr, Abulhair Saparov and Mrinmaya Sachan .....	9088
<i>AutoMoE: Heterogeneous Mixture-of-Experts with Adaptive Computation for Efficient Neural Machine Translation</i> Ganesh Jawahar, Subhabrata Mukherjee, Xiaodong Liu, Young Jin Kim, Muhammad Abdul-Mageed, Laks Lakshmanan, V.S., Ahmed Hassan Awadallah, Sebastien Bubeck and Jianfeng Gao	9116
<i>Language Agnostic Multilingual Information Retrieval with Contrastive Learning</i> Xiyang Hu, Xinchu Chen, Peng Qi, Deguang Kong, Kunlun Liu, William Yang Wang and zhiheng huang .....	9133
<i>Easy to Decide, Hard to Agree: Reducing Disagreements Between Saliency Methods</i> Josip Jukić, Martin Tutek and Jan Snajder .....	9147
<i>Enhancing Cross-lingual Transfer via Phonemic Transcription Integration</i> Hoang Nguyen, Chenwei Zhang, Tao Zhang, Eugene Rohrbaugh and Philip S Yu .....	9163
<i>Human-in-the-loop Abstractive Dialogue Summarization</i> Jiaao Chen, Mohan Dodda and Diyi Yang .....	9176
<i>A Multi-task Learning Framework for Quality Estimation</i> Sourabh Dattatray Deoghare, Paramveer Choudhary, Diptesh Kanojia, Tharindu Ranasinghe, Pushpak Bhattacharyya and Constantin Orăsan .....	9191
<i>The Devil is in the Details: On the Pitfalls of Event Extraction Evaluation</i> Hao Peng, Xiaozhi Wang, Feng Yao, Kaisheng Zeng, Lei Hou, Juanzi Li, Zhiyuan Liu and Weixing Shen .....	9206
<i>Yes, this Way! Learning to Ground Referring Expressions into Actions with Intra-episodic Feedback from Supportive Teachers</i> Philipp Sadler, Sherzod Hakimov and David Schlangen .....	9228
<i>Investigating Transformer-Guided Chaining for Interpretable Natural Logic Reasoning</i> Kanagasabai Rajaraman, Saravanan Rajamanickam and Wei Shi .....	9240
<i>Multilingual Multi-Figurative Language Detection</i> Huiyuan Lai, Antonio Toral and Malvina Nissim .....	9254
<i>Zero-shot Visual Question Answering with Language Model Feedback</i> Yifan Du, Junyi Li, Tianyi Tang, Wayne Xin Zhao and Ji-Rong Wen .....	9268
<i>Prompted Opinion Summarization with GPT-3.5</i> Adithya Bhaskar, Alex Fabbri and Greg Durrett .....	9282

<i>Sentence Ordering with a Coherence Verifier</i> Sainan Jia, Wei Song, Jiefu Gong, Shijin Wang and Ting Liu .....	9301
<i>GUMSum: Multi-Genre Data and Evaluation for English Abstractive Summarization</i> Yang Janet Liu and Amir Zeldes .....	9315
<i>Improving Grammatical Error Correction with Multimodal Feature Integration</i> Tao Fang, jinpeng hu, Derek F. Wong, Xiang Wan, Lidia S. Chao and Tsung-Hui Chang ...	9328
<i>Teaching the Pre-trained Model to Generate Simple Texts for Text Simplification</i> Renliang Sun, Wei Xu and Xiaojun Wan .....	9345
<i>Acquiring Frame Element Knowledge with Deep Metric Learning for Semantic Frame Induction</i> Kosuke Yamada, Ryohei Sasano and Koichi Takeda .....	9356
<i>Leveraging Synthetic Targets for Machine Translation</i> Sarthak Mittal, Oleksii Hrinchuk and Oleksii Kuchaiev .....	9365
<i>Recipes for Sequential Pre-training of Multilingual Encoder and Seq2Seq Models</i> Saleh Soltan, Andy Rosenbaum, Tobias Falke, Qin Lu, Anna Rumshisky and Wael Hamza .	9380
<i>Constructing Code-mixed Universal Dependency Forest for Unbiased Cross-lingual Relation Extraction</i> Hao Fei, Meishan Zhang, Min Zhang and Tat-Seng Chua .....	9395
<i>Spontaneous gestures encoded by hand positions improve language models: An Information-Theoretic motivated study</i> Yang Xu and Yang Cheng .....	9409
<i>Progressive Translation: Improving Domain Robustness of Neural Machine Translation with Intermediate Sequences</i> Chaojun Wang, Yang Liu and Wai Lam .....	9425
<i>Controlled Text Generation with Hidden Representation Transformations</i> Vaibhav Kumar, Hana Koorehdavoudi, Masud Moshtaghi, Amita Misra, Ankit R Chadha and Emilio Ferrara .....	9440
<i>Visual Coherence Loss for Coherent and Visually Grounded Story Generation</i> Xudong Hong, Vera Demberg, Asad Sayeed, Qiankun Zheng and Bernt Schiele .....	9456
<i>AnaMeta: A Table Understanding Dataset of Field Metadata Knowledge Shared by Multi-dimensional Data Analysis Tasks</i> Xinyi He, Mengyu Zhou, Mingjie Zhou, Jialiang Xu, Xiao Lv, Tianle Li, Yijia Shao, Shi Han, Zejian Yuan and Dongmei Zhang .....	9471
<i>Large Language Models Are Partially Primed in Pronoun Interpretation</i> Suet-Ying Lam, Qingcheng Zeng, Kexun Zhang, Chenyu You and Rob Voigt .....	9493
<i>Counterfactuals of Counterfactuals: a back-translation-inspired approach to analyse counterfactual editors</i> George Filandrianos, Edmund G Dervakos, Orfeas Menis Mastromichalakis, Chrysoula Zerva and Giorgos Stamou .....	9507
<i>A Pilot Study on Dialogue-Level Dependency Parsing for Chinese</i> Gongyao Jiang, Shuang Liu, Meishan Zhang and Min Zhang .....	9526
<i>On the Off-Target Problem of Zero-Shot Multilingual Neural Machine Translation</i> Liang Chen, Shuming Ma, Dongdong Zhang, Furu Wei and Baobao Chang .....	9542



<i>ORCA: A Challenging Benchmark for Arabic Language Understanding</i>	
AbdelRahim Elmadany, ElMoatez Billah Nagoudi and Muhammad Abdul-Mageed . . . . .	9559
<i>Delving into the Openness of CLIP</i>	
Shuhuai Ren, Lei Li, Xuancheng Ren, Guangxiang Zhao and Xu Sun . . . . .	9587
<i>From Adversarial Arms Race to Model-centric Evaluation: Motivating a Unified Automatic Robustness Evaluation Framework</i>	
Yangyi Chen, Hongcheng Gao, Ganqu CUI, Lifan Yuan, Dehan Kong, Hanlu Wu, Ning Shi, Bo Yuan, Longtao Huang, hui xue, Zhiyuan Liu, Maosong Sun and Heng Ji . . . . .	9607
<i>An Empirical Study of Sentiment-Enhanced Pre-Training for Aspect-Based Sentiment Analysis</i>	
Yice Zhang, Yifan Yang, Bin Liang, Shiwei Chen, Bing Qin and Ruifeng Xu . . . . .	9633
<i>NatCS: Eliciting Natural Customer Support Dialogues</i>	
James Gung, Emily Moeng, Wesley Rose, Arshit Gupta, Yi Zhang and Saab Mansour . . . . .	9652
<i>Are Intermediate Layers and Labels Really Necessary? A General Language Model Distillation Method</i>	
Shicheng Tan, Weng Lam Tam, Yuanchun Wang, Wenwen Gong, Shu Zhao, Peng Zhang and Jie Tang . . . . .	9678
<i>Diablo: Efficient Dialogue State Tracking as Operations on Tables</i>	
Pietro Lesci, Yoshinari Fujinuma, Momchil Hardalov, Chao Shang and Lluís Marquez . . . . .	9697
<i>Neural Topic Modeling based on Cycle Adversarial Training and Contrastive Learning</i>	
Boyu Wang, Linhai Zhang, Deyu Zhou, Yi Cao and Jiandong Ding . . . . .	9720
<i>Alleviating Exposure Bias via Multi-level Contrastive Learning and Deviation Simulation in Abstractive Summarization</i>	
Jiawen Xie, Qi Su, Shaoting Zhang and Xiaofan Zhang . . . . .	9732
<i>Mapping Brains with Language Models: A Survey</i>	
Antonia Karamolegkou, Mostafa Abdou and Anders Søgaard . . . . .	9748
<i>Parameter-Efficient Finetuning for Robust Continual Multilingual Learning</i>	
Kartikaya Badola, Shachi Dave and Partha Talukdar . . . . .	9763
<i>Interpretable Multimodal Misinformation Detection with Logic Reasoning</i>	
Hui Liu, Wenya Wang and Haoliang Li . . . . .	9781
<i>Semantic-conditioned Dual Adaptation for Cross-domain Query-based Visual Segmentation</i>	
Ye Wang, Tao Jin, Wang Lin, Xize Cheng, Linjun Li and Zhou Zhao . . . . .	9797
<i>Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans</i>	
Hyewon Jang, Qi Yu and Diego Frassinelli . . . . .	9816
<i>Taxonomy of Problems in Lexical Semantics</i>	
Bradley M Hauer and Grzegorz Kondrak . . . . .	9833
<i>Making Pre-trained Language Models both Task-solvers and Self-calibrators</i>	
Yangyi Chen, Xingyao Wang and Heng Ji . . . . .	9845
<i>EmbedTextNet: Dimension Reduction with Weighted Reconstruction and Correlation Losses for Efficient Text Embedding</i>	
Dae Yon Hwang, Bilal Taha and Yaroslav Nechaev . . . . .	9863

<i>Denoising Enhanced Distantly Supervised Ultrafine Entity Typing</i> Yue Zhang, Hongliang Fei and Ping Li .....	9880
<i>INTapt: Information-Theoretic Adversarial Prompt Tuning for Enhanced Non-Native Speech Recognition</i> Eunseop Yoon, Hee Suk Yoon, John Harvill, Mark Hasegawa-Johnson and Chang D. Yoo ..	9893
<i>Local Temperature Beam Search: Avoid Neural Text DeGeneration via Enhanced Calibration</i> Dongkyu Lee, Gyeonghun KIM, Janghoon Han, Taesuk Hong, Yi-Reun Kim, Stanley Jungkyu Choi and Nevin L. Zhang .....	9903
<i>Explanation Graph Generation via Generative Pre-training over Synthetic Graphs</i> Han Cui, Shangzhan Li, Yu Zhang and Qi Shi .....	9916
<i>NaSGEC: a Multi-Domain Chinese Grammatical Error Correction Dataset from Native Speaker Texts</i> Yue Zhang, Bo Zhang, Haochen Jiang, Zhenghua Li, Chen Li, Fei Huang and Min Zhang ..	9935
<i>FORK: A Bite-Sized Test Set for Probing Culinary Cultural Biases in Commonsense Reasoning Models</i> Shramay Palta and Rachel Rudinger .....	9952
<i>FedPETuning: When Federated Learning Meets the Parameter-Efficient Tuning Methods of Pre-trained Language Models</i> Zhuo Zhang, Yuanhang Yang, Yong Dai, Qifan Wang, Yue Yu, Lizhen Qu and Zenglin Xu .	9963
<i>MixPAVE: Mix-Prompt Tuning for Few-shot Product Attribute Value Extraction</i> Li Yang, Qifan Wang, Jingang Wang, Xiaojun Quan, Fuli Feng, Yu Chen, Madian Khabsa, Sinong Wang, Zenglin Xu and Dongfang Liu .....	9978
<i>SlowBERT: Slow-down Attacks on Input-adaptive Multi-exit BERT</i> Shengyao Zhang, Xudong Pan, Mi Zhang and Min Yang .....	9992
<i>Compositional Mathematical Encoding for Math Word Problems</i> Zhenwen Liang, Jipeng Zhang, Kehan Guo, Xiaodong Wu, Jie Shao and Xiangliang Zhang	10008
<i>PREADD: Prefix-Adaptive Decoding for Controlled Text Generation</i> Jonathan Pei, Kevin Yang and Dan Klein .....	10018
<i>EventOA: An Event Ontology Alignment Benchmark Based on FrameNet and Wikidata</i> Shaoru Guo, Chenhao Wang, Yubo Chen, Kang Liu, Ru Li and Jun Zhao .....	10038
<i>Enhancing Continual Relation Extraction via Classifier Decomposition</i> Heming Xia, Peiyi Wang, Tianyu Liu, Binghuai Lin, Yunbo Cao and Zhifang Sui .....	10053
<i>A Comparative Analysis of the Effectiveness of Rare Tokens on Creative Expression using ramBERT</i> Youbin Lee, Deokgi Kim, Byung-Won On and Ingyu Lee .....	10063
<i>MTR: A Dataset Fusing Inductive, Deductive, and Defeasible Reasoning</i> Yitian Li, Jidong Tian, Caoyun Fan, Wenqing Chen, Hao He and Yaohui Jin .....	10078
<i>NewsMet : A 'do it all' Dataset of Contemporary Metaphors in News Headlines</i> Rohan Joseph, Timothy Liu, Aik Beng Ng, Simon See and Sunny Rai .....	10090
<i>Concept2Box: Joint Geometric Embeddings for Learning Two-View Knowledge Graphs</i> Zijie Huang, Daheng Wang, Binxuan Huang, Chenwei Zhang, Jingbo Shang, Yan Liang, Zhen-gyang Wang, Xian Li, Christos Faloutsos, Yizhou Sun and Wei Wang .....	10105

<i>Noise-Robust Training with Dynamic Loss and Contrastive Learning for Distantly-Supervised Named Entity Recognition</i>	
Zhiyuan Ma, Jintao Du and Shuheng Zhou .....	10119
<i>Take a Break in the Middle: Investigating Subgoals towards Hierarchical Script Generation</i>	
XINZE LI, Yixin Cao, Muhao Chen and Aixun Sun .....	10129
<i>End-to-End Task-Oriented Dialogue Systems Based on Schema</i>	
Wiradee Imrattana-trai and Ken Fukuda .....	10148
<i>HaVQA: A Dataset for Visual Question Answering and Multimodal Research in Hausa Language</i>	
Shantipriya Parida, Idris Abdulmumin, Shamsuddeen Hassan Muhammad, Aneesh Bose, Guneet Singh Kohli, Ibrahim Said Ahmad, Ketan Kotwal, Sayan Deb Sarkar, Ondřej Bojar and Habeebah Adamu Kakudi .....	10162
<i>Claim-Dissector: An Interpretable Fact-Checking System with Joint Re-ranking and Veracity Prediction</i>	
Martin Fajcik, Petr Motliceck and Pavel Smrz .....	10184
<i>StructSP: Efficient Fine-tuning of Task-Oriented Dialog System by Using Structure-aware Boosting and Grammar Constraints</i>	
Truong Dinh Do, Phuong Minh Nguyen and Minh Le Nguyen .....	10206
<i>GDA: Generative Data Augmentation Techniques for Relation Extraction Tasks</i>	
Xuming Hu, Aiwei Liu, Zeqi Tan, Xin Zhang, Chenwei Zhang, Irwin King and Philip S. Yu	10221
<i>WebDP: Understanding Discourse Structures in Semi-Structured Web Documents</i>	
Peilin Liu, Hongyu Lin, Meng Liao, Hao Xiang, Xianpei Han and Le Sun .....	10235
<i>Tab-CoT: Zero-shot Tabular Chain of Thought</i>	
Jin Ziqi and Wei Lu .....	10259
<i>KNSE: A Knowledge-aware Natural Language Inference Framework for Dialogue Symptom Status Recognition</i>	
Wei Chen, Shiqi Wei, Zhongyu Wei and Xuanjing Huang .....	10278
<i>Augmenting Large Language Model Translators via Translation Memories</i>	
Yongyu Mu, Abudurexiti Reheman, Zhiquan Cao, Yuchun Fan, Bei Li, Yinqiao Li, Tong Xiao, Chunliang Zhang and Jingbo Zhu .....	10287
<i>Character Coreference Resolution in Movie Screenplays</i>	
Sabyasachee Baruah and Shrikanth Narayanan .....	10300
<i>Enhancing Event Causality Identification with Event Causal Label and Event Pair Interaction Graph</i>	
Ruili Pu, Yang Li, Suge Wang, Deyu Li, Jianxing Zheng and Jian Liao .....	10314
<i>LightFormer: Light-weight Transformer Using SVD-based Weight Transfer and Parameter Sharing</i>	
Xiuqing Lv, Peng Zhang, sunzhu Initial li, Guobing Gan and Yueheng Sun .....	10323
<i>Multi-hop Evidence Retrieval for Cross-document Relation Extraction</i>	
Keming Lu, I-Hung Hsu, Wenxuan Zhou, Mingyu Derek Ma and Muhao Chen .....	10336
<i>Which Examples Should be Multiply Annotated? Active Learning When Annotators May Disagree</i>	
Connor T Bauml, Anna Sotnikova and Hal Daumé III .....	10352
<i>PIP: Parse-Instructed Prefix for Syntactically Controlled Paraphrase Generation</i>	
Yixin Wan, Kuan-Hao Huang and Kai-Wei Chang .....	10372

<i>DePlot: One-shot visual language reasoning by plot-to-table translation</i>	
Fangyu Liu, Julian Martin Eisenschlos, Francesco Piccinno, Syrine Krichene, Chenxi Pang, Kenton Lee, Mandar Joshi, Wenhua Chen, Nigel Collier and Yasemin Altun . . . . .	10381
<i>Stochastic Bridges as Effective Regularizers for Parameter-Efficient Tuning</i>	
Weize Chen, Xu Han, Yankai Lin, Zhiyuan Liu, Maosong Sun and Jie Zhou . . . . .	10400
<i>Learning from a Friend: Improving Event Extraction via Self-Training with Feedback from Abstract Meaning Representation</i>	
Zhiyang Xu, Jay Yoon Lee and Lifu Huang . . . . .	10421
<i>How Well Do Large Language Models Perform on Faux Pas Tests?</i>	
Natalie Shapira, Guy Zwirn and Yoav Goldberg . . . . .	10438
<i>Modular Transformers: Compressing Transformers into Modularized Layers for Flexible Efficient Inference</i>	
Wangchunshu Zhou, Ronan Le Bras and Yejin Choi . . . . .	10452
<i>ISLTranslate: Dataset for Translating Indian Sign Language</i>	
Abhinav Joshi, Susmit Agrawal and Ashutosh Modi . . . . .	10466
<i>LMentry: A Language Model Benchmark of Elementary Language Tasks</i>	
Avia Efrat, Or Honovich and Omer Levy . . . . .	10476
<i>Differentiable Instruction Optimization for Cross-Task Generalization</i>	
Masaru Isonuma, Junichiro Mori and Ichiro Sakata . . . . .	10502
<i>Leveraging Training Data in Few-Shot Prompting for Numerical Reasoning</i>	
Zhanming Jie and Wei Lu . . . . .	10518
<i>How does the task complexity of masked pretraining objectives affect downstream performance?</i>	
Atsuki Yamaguchi, Hiroaki Ozaki, Terufumi Morishita, Gaku Morio and Yasuhiro Sogawa	10527
<i>AUGUST: an Automatic Generation Understudy for Synthesizing Conversational Recommendation Datasets</i>	
Yu Lu, Junwei Bao, Zichen Ma, Xiaoguang Han, Youzheng Wu, Shuguang Cui and Xiaodong He	10538
<i>Knowing-how &amp; Knowing-that: A New Task for Machine Comprehension of User Manuals</i>	
Hongru Liang, Jia Liu, Weihong Du, Dingnan Jin, Wenqiang Lei, Zujie Wen and Jiancheng Lv	10550
<i>Deep Span Representations for Named Entity Recognition</i>	
Enwei Zhu, Yiyang Liu and Jinpeng Li . . . . .	10565
<i>Disambiguated Lexically Constrained Neural Machine Translation</i>	
Jinpeng Zhang, Nini Xiao, Ke Wang, Chuanqi Dong, Xiangyu Duan, Yuqi Zhang and Min Zhang	10583
<i>Curating Datasets for Better Performance with Example Training Dynamics</i>	
Aviad Sar-Shalom and Roy Schwartz . . . . .	10597
<i>Multi-armed bandits for resource efficient, online optimization of language model pre-training: the use case of dynamic masking</i>	
Inigo Urteaga, Moulay Zaidane Draidia, Tomer Lancewicki and Shahram Khadivi . . . . .	10609
<i>ERNIE-Code: Beyond English-Centric Cross-lingual Pretraining for Programming Languages</i>	
Yekun Chai, Shuohuan Wang, Chao Pang, Yu Sun, Hao Tian and Hua Wu . . . . .	10628

<i>PromptAttack: Probing Dialogue State Trackers with Adversarial Prompts</i>	
Xiangjue Dong, Yun He, Ziwei Zhu and James Caverlee . . . . .	10651
<i>Understanding Programs by Exploiting (Fuzzing) Test Cases</i>	
Jianguo Zhao, Yuyang Rong, Yiwen Guo, Yifeng He and Hao Chen . . . . .	10667
<i>Hybrid Hierarchical Retrieval for Open-Domain Question Answering</i>	
Manoj Ghuhana Arivazhagan, Lan Liu, Peng Qi, Xinchu Chen, William Yang Wang and zhiheng huang . . . . .	10680
<i>Coherent or Not? Stressing a Neural Language Model for Discourse Coherence in Multiple Languages</i>	
Dominique Brunato, Felice Dell’Orletta, irene dini and Andrea Amelio Ravelli . . . . .	10690
<i>Understanding Differential Search Index for Text Retrieval</i>	
Xiaoyang Chen, Yanjiang Liu, Ben He, Le Sun and Yingfei Sun . . . . .	10701
<i>Masked Audio Text Encoders are Effective Multi-Modal Rescorers</i>	
Jinglun Cai, Monica Sunkara, Xilai Li, Anshu Bhatia, Xiao Pan and Sravan Bodapati . . . . .	10718
<i>Replace and Report: NLP Assisted Radiology Report Generation</i>	
Kaveri Kale, Pushpak Bhattacharyya and Kshitij Jadhav . . . . .	10731
<i>Pre-trained Personalized Review Summarization with Effective Saliency Estimation</i>	
Hongyan Xu, Hongtao Liu, Zhepeng Lv, Qing Yang and Wenjun Wang . . . . .	10743
<i>CaPE: Contrastive Parameter Ensembling for Reducing Hallucination in Abstractive Summarization</i>	
Prafulla Kumar Choubey, Alex Fabbri, Jesse Vig, Chien-Sheng Jason Wu, Wenhao Liu and Nazneen Rajani . . . . .	10755
<i>OpineSum: Entailment-based self-training for abstractive opinion summarization</i>	
Annie Louis and Joshua Maynez . . . . .	10774
<i>A Call for Standardization and Validation of Text Style Transfer Evaluation</i>	
Phil Sidney Ostheimer, Mayank Kumar Nagda, Marius Kloft and Sophie Fellenz . . . . .	10791
<i>Bridging the Granularity Gap for Acoustic Modeling</i>	
Chen Xu, Yuhao Zhang, Chengbo Jiao, Xiaoqian Liu, Chi Hu, Xin Zeng, Tong Xiao, Anxiang Ma, Huizhen Wang and Jingbo Zhu . . . . .	10816
<i>MMSD2.0: Towards a Reliable Multi-modal Sarcasm Detection System</i>	
Libo Qin, Shijue Huang, Qiguang Chen, Chenran Cai, Yudi Zhang, Bin Liang, Wanxiang Che and Ruifeng Xu . . . . .	10834
<i>Learn to Not Link: Exploring NIL Prediction in Entity Linking</i>	
Fangwei Zhu, Jifan Yu, Hailong Jin, Lei Hou, Juanzi Li and Zhifang Sui . . . . .	10846
<i>On Text-based Personality Computing: Challenges and Future Directions</i>	
Qixiang Fang, Anastasia Giachanou, Ayoub Bagheri, Laura Boeschoten, Erik-Jan van Kesteren, Mahdi Shafiee Kamalabad and Daniel Oberski . . . . .	10861
<i>Structured Pruning for Efficient Generative Pre-trained Language Models</i>	
Chaofan Tao, Lu Hou, Haoli Bai, Jiansheng Wei, Xin Jiang, Qun Liu, Ping Luo and Ngai Wong	10880
<i>Prompt-Guided Retrieval Augmentation for Non-Knowledge-Intensive Tasks</i>	
Zhicheng Guo, Sijie Cheng, Yile Wang, Peng Li and Yang Liu . . . . .	10896

<i>Contextualized Semantic Distance between Highly Overlapped Texts</i>	
Letian Peng, Zuchao Li and Hai Zhao .....	10913
<i>Unsupervised Dense Retrieval with Relevance-Aware Contrastive Pre-Training</i>	
Yibin Lei, Liang Ding, Yu Cao, Changtong Zan, Andrew Yates and Dacheng Tao .....	10932
<i>Verifying Annotation Agreement without Multiple Experts: A Case Study with Gujarati SNACS</i>	
Maitrey Mehta and Vivek Srikumar .....	10941
<i>Reinforced Active Learning for Low-Resource, Domain-Specific, Multi-Label Text Classification</i>	
Lukas Wertz, Jasmina Bogojeska, Katsiaryna Mirylenka and Jonas Kuhn .....	10959
<i>Improving Classroom Dialogue Act Recognition from Limited Labeled Data with Self-Supervised Contrastive Learning Classifiers</i>	
Vikram Kumaran, Jonathan Rowe, Bradford W Mott, Snigdha Chaturvedi and James Lester	10978
<i>Contrastive Token-Wise Meta-Learning for Unseen Performer Visual Temporal-Aligned Translation</i>	
Linjun Li, Tao Jin, Xize Cheng, Ye Wang, Wang Lin, Rongjie Huang and Zhou Zhao .....	10993
<i>Enhancing Cross-lingual Prompting with Dual Prompt Augmentation</i>	
Meng Zhou, Xin Li, Yue Jiang and Lidong Bing .....	11008
<i>Foveate, Attribute, and Rationalize: Towards Physically Safe and Trustworthy AI</i>	
Alex Mei, Sharon Levy and William Yang Wang .....	11021
<i>Multijugate Dual Learning for Low-Resource Task-Oriented Dialogue System</i>	
Shimin Li, Xiaotian Zhang, Yanjun Zheng, Linyang Li and Xipeng Qiu .....	11037
<i>A Class-Rebalancing Self-Training Framework for Distantly-Supervised Named Entity Recognition</i>	
Qi Li, Tingyu Xie, Peng Peng, Hongwei Wang and Gaoang Wang .....	11054
<i>MURMUR: Modular Multi-Step Reasoning for Semi-Structured Data-to-Text Generation</i>	
Swarnadeep Saha, Xinyan Velocity Yu, Mohit Bansal, Ramakanth Pasunuru and Asli Celikyilmaz	11069
<i>Learning by Analogy: Diverse Questions Generation in Math Word Problem</i>	
Zihao Zhou, Maizhen Ning, Qiufeng Wang, Jie Yao, Wei Wang, xiaowei huang and Kaizhu Huang	11091
<i>Revisit Few-shot Intent Classification with PLMs: Direct Fine-tuning vs. Continual Pre-training</i>	
Haode Zhang, Haowen Liang, Li-Ming Zhan, Xiao-Ming Wu and Albert Y.S. Lam .....	11105
<i>Improving Contrastive Learning of Sentence Embeddings from AI Feedback</i>	
Qinyuan Cheng, Xiaogui Yang, Tianxiang Sun, Linyang Li and Xipeng Qiu .....	11122
<i>Mars: Modeling Context &amp; State Representations with Contrastive Learning for End-to-End Task-Oriented Dialog</i>	
Haipeng Sun, Junwei Bao, Youzheng Wu and Xiaodong He .....	11139
<i>Text Augmented Open Knowledge Graph Completion via Pre-Trained Language Models</i>	
Pengcheng Jiang, Shivam Agarwal, Bowen Jin, Xuan Wang, Jimeng Sun and Jiawei Han ..	11161
<i>Discourse Analysis via Questions and Answers: Parsing Dependency Structures of Questions Under Discussion</i>	
Wei-Jen Ko, Yating Wu, Cutter J Dalton, Dananjay T Srinivas, Greg Durrett and Junyi Jessy Li	11181

<i>An Integrated Approach for Political Bias Prediction and Explanation Based on Discursive Structure</i> Nicolas Devatine, Philippe Muller and Chloé Braud .....	11196
<i>Smart Word Suggestions for Writing Assistance</i> Chenshuo Wang, Shaoguang Mao, Tao Ge, Wenshan Wu, Xun Wang, Yan Xia, Jonathan Tien and Dongyan Zhao .....	11212
<i>JECC: Commonsense Reasoning Tasks Derived from Interactive Fictions</i> Mo Yu, Yi Gu, Xiaoxiao Guo, Yufei Feng, Xiaodan Zhu, Michael Greenspan, Murray Campbell and Chuang Gan .....	11226
<i>A Study on Knowledge Distillation from Weak Teacher for Scaling Up Pre-trained Language Models</i> Hayeon Lee, Rui Hou, Jongpil Kim, Davis Liang, Sung Ju Hwang and Alexander Min ....	11239
<i>SORTIE: Dependency-Aware Symbolic Reasoning for Logical Data-to-text Generation</i> Xueliang Zhao, Tingchen Fu, Lemao Liu, Lingpeng Kong, Shuming Shi and Rui Yan .....	11247
<i>Boosting Event Extraction with Denoised Structure-to-Text Augmentation</i> bo wang, Heyan Huang, Xiaochi Wei, Ge Shi, Xiao Liu, Chong Feng, Tong Zhou, Shuaiqiang WANG and Dawei Yin .....	11267
<i>Detecting Adversarial Samples through Sharpness of Loss Landscape</i> Rui Zheng, Shihan Dou, Yuhao Zhou, Qin Liu, Tao Gui, Qi Zhang, Zhongyu Wei, Xuanjing Huang and Menghan Zhang .....	11282
<i>A Simple, Yet Effective Approach to Finding Biases in Code Generation</i> Spyridon Mouselinos, Mateusz Malinowski and Henryk Michalewski .....	11299
<i>Membership Inference Attacks against Language Models via Neighbourhood Comparison</i> Justus Mattern, Fatemehsadat Mireshghallah, Zhijing Jin, Bernhard Schoelkopf, Mrinmaya Sachan and Taylor Berg-Kirkpatrick .....	11330
<i>CFL: Causally Fair Language Models Through Token-level Attribute Controlled Generation</i> Rahul Madhavan, Rishabh Garg, Kahini Wadhawan and Sameep Mehta .....	11344
<i>Can Diffusion Model Achieve Better Performance in Text Generation ? Bridging the Gap between Training and Inference !</i> Zecheng Tang, Pinzheng Wang, Keyan Zhou, Juntao Li, Ziqiang Cao and Min Zhang .....	11359
<i>Topic-Guided Self-Introduction Generation for Social Media Users</i> Chunpu Xu, Jing Li, Piji Li and Min Yang .....	11387
<i>Recyclable Tuning for Continual Pre-training</i> Yujia Qin, Cheng Qian, Xu Han, Yankai Lin, Huadong Wang, Ruobing Xie, Zhiyuan Liu, Miao-song Sun and Jie Zhou .....	11403
<i>BLOCSUM: Block Scope-based Source Code Summarization via Shared Block Representation</i> YunSeok Choi, Hyojun Kim and Jee-Hyong Lee .....	11427
<i>HyperPELT: Unified Parameter-Efficient Language Model Tuning for Both Language and Vision-and-Language Tasks</i> Zhengkun Zhang, Wenya Guo, Xiaojun Meng, Yasheng Wang, Yadao Wang, Xin Jiang, Qun Liu and Zhenglu Yang .....	11442
<i>Enhancing Unsupervised Semantic Parsing with Distributed Contextual Representations</i> Zixuan Ling, Xiaoqing Zheng, Jianhan Xu, Jinshu Lin, Kai-Wei Chang, Cho-Jui Hsieh and Xuanjing Huang .....	11454

<i>Generating Labeled Data for Relation Extraction: A Meta Learning Approach with Joint GPT-2 Training</i>	Amir Pouran Ben Veyseh, Franck Dernoncourt, Bonan Min and Thien Huu Nguyen . . . . .	11466
<i>Disfluency Generation for More Robust Dialogue Systems</i>	Benjamin Marie . . . . .	11479
<i>Dipping PLMs Sauce: Bridging Structure and Text for Effective Knowledge Graph Completion via Conditional Soft Prompting</i>	Chen Chen, Yufei Wang, Aixin Sun, Bing Li and Kwok-Yan Lam . . . . .	11489
<i>Revisiting Pathologies of Neural Models under Input Reduction</i>	Canasai Kruengkrai and Junichi Yamagishi . . . . .	11504
<i>Lego-MT: Learning Detachable Models for Massively Multilingual Machine Translation</i>	Fei Yuan, Yinquan Lu, Wenhao Zhu, Lingpeng Kong, Lei Li, Yu Qiao and Jingjing Xu . . .	11518
<i>FiDO: Fusion-in-Decoder optimized for stronger performance and faster inference</i>	Michiel de Jong, Yury Zemlyanskiy, Joshua Ainslie, Nicholas FitzGerald, Sumit Sanghai, Fei Sha and William Cohen . . . . .	11534
<i>Detecting Edit Failures In Large Language Models: An Improved Specificity Benchmark</i>	Jason Hoelscher-Obermaier, Julia H Persson, Esben Kran, Ioannis Konstas and Fazl Barez	11548
<i>Structure-Aware Language Model Pretraining Improves Dense Retrieval on Structured Data</i>	Xinze Li, Zhenghao Liu, Chenyan Xiong, Shi Yu, Yu Gu, Zhiyuan Liu and Ge Yu . . . . .	11560
<i>Few-shot Joint Multimodal Aspect-Sentiment Analysis Based on Generative Multimodal Prompt</i>	Xiaocui Yang, Shi Feng, Daling Wang, Qi Sun, Wenfang Wu, Yifei Zhang, Pengfei Hong and Soujanya Poria . . . . .	11575
<i>Predicting Human Translation Difficulty Using Automatic Word Alignment</i>	Zheng Wei Lim, Trevor Cohn, Charles Kemp and Ekaterina Vylomova . . . . .	11590
<i>Know Where You're Going: Meta-Learning for Parameter-Efficient Fine-Tuning</i>	Mozhdeh Gheini, Xuezhe Ma and Jonathan May . . . . .	11602
<i>Moving Beyond Downstream Task Accuracy for Information Retrieval Benchmarking</i>	Keshav Santhanam, Jon Saad-Falcon, Martin Franz, Omar Khattab, Avi Sil, Radu Florian, Md Arafat Sultan, Salim Roukos, Matei Zaharia and Christopher Potts . . . . .	11613
<i>AxomiyaBERTa: A Phonologically-aware Transformer Model for Assamese</i>	Abhijnan Nath, Sheikh Abdul Mannan and Nikhil Krishnaswamy . . . . .	11629
<i>An Exploratory Study on Model Compression for Text-to-SQL</i>	Shuo Sun, Yuze Gao, Yuchen Zhang, Jian Su, Bin Chen, Yingzhan Lin and Shuqi Sun . . .	11647
<i>FluentSpeech: Stutter-Oriented Automatic Speech Editing with Context-Aware Diffusion Models</i>	Ziyue Jiang, Qian Yang, Jialong Zuo, Zhenhui Ye, Rongjie Huang, Yi Ren and Zhou Zhao	11655
<i>HyHTM: Hyperbolic Geometry-based Hierarchical Topic Model</i>	Simra Shahid, Tanay Anand, Nikitha Srikanth, Sumit Bhatia, Balaji Krishnamurthy and nikaash puri . . . . .	11672
<i>KoRC: Knowledge Oriented Reading Comprehension Benchmark for Deep Text Understanding</i>	Zijun Yao, Yantao Liu, Xin Lv, Shulin Cao, Jifan Yu, Juanzi Li and Lei Hou . . . . .	11689



<i>DKAF: KB Arbitration for Learning Task-Oriented Dialog Systems with Dialog-KB Inconsistencies</i> Vishal Vivek Saley, Rocktim Jyoti Das, Dinesh Raghu and Mausam - .....	11708
<i>Scale-Invariant Infinite Hierarchical Topic Model</i> Shusei Eshima and Daichi Mochihashi .....	11731
<i>RC3: Regularized Contrastive Cross-lingual Cross-modal Pre-training</i> Chulun Zhou, Yunlong Liang, Fandong Meng, Jinan Xu, Jinsong Su and Jie Zhou .....	11747
<i>Deep Equilibrium Non-Autoregressive Sequence Learning</i> Zaixiang Zheng, Yi Zhou and Hao Zhou .....	11763
<i>ReGen: Zero-Shot Text Classification via Training Data Generation with Progressive Dense Retrieval</i> Yue Yu, Yuchen Zhuang, Rongzhi Zhang, Yu Meng, Jiaming Shen and Chao Zhang .....	11782
<i>Race, Gender, and Age Biases in Biomedical Masked Language Models</i> Michelle YoungJin Kim, Junghwan Kim and Kristen Johnson .....	11806
<i>Neighboring Words Affect Human Interpretation of Saliency Explanations</i> Alon Jacovi, Hendrik Schuff, Heike Adel, Ngoc Thang Vu and Yoav Goldberg .....	11816
<i>HELP ME THINK: A Simple Prompting Strategy for Non-experts to Create Customized Content with Models</i> Swaroop Mishra and Elnaz Nouri .....	11834
<i>Decker: Double Check with Heterogeneous Knowledge for Commonsense Fact Verification</i> Anni Zou, Zhuosheng Zhang and Hai Zhao .....	11891
<i>DopplerBAS: Binaural Audio Synthesis Addressing Doppler Effect</i> Jinglin Liu, Zhenhui Ye, Qian Chen, Siqi Zheng, Wen Wang, Zhang Qinglin and Zhou Zhao	11905
<i>Easy-to-Hard Learning for Information Extraction</i> Chang Gao, Wenxuan Zhang, Wai Lam and Lidong Bing .....	11913
<i>SConE: Simplified Cone Embeddings with Symbolic Operators for Complex Logical Queries</i> Chau Duc Minh Nguyen, Tim N French, Wei Liu and Michael Stewart .....	11931
<i>Two Heads Are Better Than One: Improving Fake News Video Detection by Correlating with Neighbors</i> Peng Qi, Yuyang Zhao, Yufeng Shen, Wei Ji, Juan Cao and Tat-Seng Chua .....	11947
<i>An Annotated Dataset for Explainable Interpersonal Risk Factors of Mental Disturbance in Social Media Posts</i> Muskan Garg, Amirmohammad Shahbandegan, Amrit Chadha and Vijay Mago .....	11960
<i>Nano: Nested Human-in-the-Loop Reward Learning for Few-shot Language Model Control</i> Xiang Fan, Yiwei Lyu, Paul Pu Liang, Ruslan Salakhutdinov and Louis-Philippe Morency	11970
<i>Connectivity Patterns are Task Embeddings</i> Zhiheng Xi, Rui Zheng, Yuansen Zhang, Xuanjing Huang, Zhongyu Wei, Minlong Peng, Mingming Sun, Qi Zhang and Tao Gui .....	11993
<i>Improving Autoregressive Grammatical Error Correction with Non-autoregressive Models</i> Hang Cao, Zhiquan Cao, Chi Hu, Baoyu Hou, Tong Xiao and Jingbo Zhu .....	12014
<i>SamToNe: Improving Contrastive Loss for Dual Encoder Retrieval Models with Same Tower Negatives</i> Fedor Moiseev, Gustavo Hernandez Abrego, Peter Dornbach, Imed Zitouni, Enrique Alfonseca and Zhe Dong .....	12028

<i>On the Strength of Sequence Labeling and Generative Models for Aspect Sentiment Triplet Extraction</i> Shen Zhou and Tiejun Qian .....	12038
<i>Revisiting Non-Autoregressive Translation at Scale</i> Zhihao Wang, Longyue Wang, Jinsong Su, Junfeng Yao and Zhaopeng Tu .....	12051
<i>Improving Radiology Summarization with Radiograph and Anatomy Prompts</i> jinpeng hu, Zhihong Chen, Yang Liu, Xiang Wan and Tsung-Hui Chang .....	12066
<i>Explanation Regeneration via Information Bottleneck</i> Qintong Li, Zhiyong Wu, Lingpeng Kong and Wei Bi .....	12081
<i>Improving Zero-shot Multilingual Neural Machine Translation by Leveraging Cross-lingual Consistency Regularization</i> Pengzhi Gao, Liwen Zhang, Zhongjun He, Hua Wu and Haifeng Wang .....	12103
<i>ReactIE: Enhancing Chemical Reaction Extraction with Weak Supervision</i> Ming Zhong, Siru Ouyang, Minhao Jiang, Vivian Hu, Yizhu Jiao, Xuan Wang and Jiawei Han	12120
<i>Expand, Rerank, and Retrieve: Query Reranking for Open-Domain Question Answering</i> Yung-Sung Chuang, Wei Fang, Shang-Wen Li, Wen-tau Yih and James Glass .....	12131
<i>Neural Networks Against (and For) Self-Training: Classification with Small Labeled and Large Unlabeled Sets</i> Payam Karisani .....	12148
<i>Inducing Character-level Structure in Subword-based Language Models with Type-level Interchange Intervention Training</i> Jing Huang, Zhengxuan Wu, Kyle Mahowald and Christopher Potts .....	12163
<i>Efficient Document Embeddings via Self-Contrastive Bregman Divergence Learning</i> Daniel Saggau, Mina Rezaei, Bernd Bischl and Ilias Chalkidis .....	12181
<i>QAP: A Quantum-Inspired Adaptive-Priority-Learning Model for Multimodal Emotion Recognition</i> Ziming Li, Yan Zhou, Yaxin Liu, Fuqing Zhu, Chuanpeng Yang and Songlin Hu .....	12191
<i>Language acquisition: do children and language models follow similar learning stages?</i> Linnea Evanson, Yair Lakretz and Jean Rémi king .....	12205
<i>The Role of Output Vocabulary in T2T LMs for SPARQL Semantic Parsing</i> Debayan Banerjee, Pranav Ajit Nair, Ricardo Usbeck and Chris Biemann .....	12219
<i>UniCOQE: Unified Comparative Opinion Quintuple Extraction As A Set</i> Zinong Yang, Feng Xu, Jianfei Yu and Rui Xia .....	12229
<i>Response-conditioned Turn-taking Prediction</i> Bing'er Jiang, Erik Ekstedt and Gabriel Skantze .....	12241
<i>A Unified One-Step Solution for Aspect Sentiment Quad Prediction</i> Junxian Zhou, Haiqin Yang, Yuxuan He, Hao Mou and JunBo Yang .....	12249
<i>On Isotropy, Contextualization and Learning Dynamics of Contrastive-based Sentence Representation Learning</i> Chenghao Xiao, Yang Long and Noura Al Moubayed .....	12266
<i>Few-shot Fine-tuning vs. In-context Learning: A Fair Comparison and Evaluation</i> Marius Mosbach, Tiago Pimentel, Shauli Ravfogel, Dietrich Klakow and Yanai Elazar ....	12284

<i>Common Law Annotations: Investigating the Stability of Dialog System Output Annotations</i>	
Seunggun Lee, Alexandra DeLucia, Nikita Nangia, Praneeth S Ganedi, Ryan Min Guan, Rubing Li, Britney A Ngaw, Aditya Singhal, Shalaka Vaidya, Zijun Yuan, Lining Zhang and João Sedoc	12315
<i>HuaSLIM: Human Attention Motivated Shortcut Learning Identification and Mitigation for Large Language models</i>	
Yuqi Ren and Deyi Xiong	12350
<i>PMI-Align: Word Alignment With Point-Wise Mutual Information Without Requiring Parallel Training Data</i>	
Fatemeh Azadi, Hesham Faili and Mohammad Javad Dousti	12366
<i>Exploring Non-Verbal Predicates in Semantic Role Labeling: Challenges and Opportunities</i>	
Riccardo Orlando, Simone Conia and Roberto Navigli	12378
<i>DSPM-NLG: A Dual Supervised Pre-trained Model for Few-shot Natural Language Generation in Task-oriented Dialogue System</i>	
Yufan Wang, Bowei Zou, Rui Fan, Ai Ti Aw and Tingting He	12389
<i>TEPrompt: Task Enlightenment Prompt Learning for Implicit Discourse Relation Recognition</i>	
Wei Xiang, Chao Liang and Bang Wang	12403
<i>Evaluating Factuality in Cross-lingual Summarization</i>	
Mingqi Gao, Wenqing Wang, Xiaojun Wan and Yuemei Xu	12415
<i>On the Correspondence between Compositionality and Imitation in Emergent Neural Communication</i>	
Emily Cheng, Mathieu Rita and Thierry Poibeau	12432
<i>The Coreference under Transformation Labeling Dataset: Entity Tracking in Procedural Texts Using Event Models</i>	
Kyeongmin Rim, Jingxuan Tu, Bingyang Ye, Marc Verhagen, Eben Holderness and James Pustejovsky	12448
<i>Why Does Zero-Shot Cross-Lingual Generation Fail? An Explanation and a Solution</i>	
Tianjian Li and Kenton Murray	12461
<i>Distractor Generation based on Text2Text Language Models with Pseudo Kullback-Leibler Divergence Regulation</i>	
Hui-Juan Wang, Kai-Yu Hsieh, Han-Cheng Yu, Jui-Ching Tsou, Yu An Shih, Chen-Hua Huang and Yao-Chung Fan	12477
<i>Lexical Translation Inconsistency-Aware Document-Level Translation Repair</i>	
Zhen Zhang, Junhui Li, shimin tao and Hao Yang	12492
<i>CausalDialogue: Modeling Utterance-level Causality in Conversations</i>	
Yi-Lin Tuan, Alon Albalak, Wenda Xu, Michael S Saxon, Connor F Pryor, Lise Getoor and William Yang Wang	12506
<i>Towards Unified Spoken Language Understanding Decoding via Label-aware Compact Linguistics Representations</i>	
Zhihong Zhu, Xuxin Cheng, Zhiqi Huang, Dongsheng Chen and Yuexian Zou	12523
<i>Less Likely Brainstorming: Using Language Models to Generate Alternative Hypotheses</i>	
Liyan Tang, Yifan Peng, Yanshan Wang, Ying Ding, Greg Durrett and Justin F Rousseau	12532
<i>Language Modeling with Latent Situations</i>	
Belinda Z. Li, Maxwell Nye and Jacob Andreas	12556

<i>Can Cross-Lingual Transferability of Multilingual Transformers Be Activated Without End-Task Data?</i> Zewen Chi, Heyan Huang and Xian-Ling Mao .....	12572
<i>Focus-aware Response Generation in Inquiry Conversation</i> Yiquan Wu, Weiming Lu, Yating Zhang, Adam Jatowt, Jun Feng, Changlong Sun, Fei Wu and Kun Kuang .....	12585
<i>A Hierarchical Explanation Generation Method Based on Feature Interaction Detection</i> Yiming Ju, Yuanzhe Zhang, Kang Liu and Jun Zhao .....	12600
<i>Jointly Reparametrized Multi-Layer Adaptation for Efficient and Private Tuning</i> Umang Gupta, Aram Galstyan and Greg Ver Steeg .....	12612
<i>A Diffusion Model for Event Skeleton Generation</i> Fangqi Zhu, Lin Zhang, Jun Gao, Bing Qin, Ruifeng Xu and Haiqin Yang .....	12630
<i>Nonparametric Decoding for Generative Retrieval</i> Hyunji Lee, JaeYoung Kim, Hoyeon Chang, hanseok Oh, Sohee Yang, Vladimir Karpukhin, Yi Lu and Minjoon Seo .....	12642
<i>Aspect-aware Unsupervised Extractive Opinion Summarization</i> Haoyuan Li, Somnath Basu Roy Chowdhury and Snigdha Chaturvedi .....	12662
<i>GNN-SL: Sequence Labeling Based on Nearest Examples via GNN</i> Shuhe Wang, Yuxian Meng, Rongbin Ouyang, Jiwei Li, Tianwei Zhang, Lingjuan Lyu and Guoyin Wang .....	12679
<i>Serial Contrastive Knowledge Distillation for Continual Few-shot Relation Extraction</i> Xinyi Wang, Zitao Wang and Wei Hu .....	12693
<i>Revisiting the Architectures like Pointer Networks to Efficiently Improve the Next Word Distribution, Summarization Factuality, and Beyond</i> Haw-Shiuan Chang, Zonghai Yao, Alolika Gon, hong yu and Andrew McCallum .....	12707
<i>GLUE-X: Evaluating Natural Language Understanding Models from an Out-of-Distribution Generali- zation Perspective</i> Linyi Yang, Shuibai Zhang, Libo Qin, Yafu Li, Yidong Wang, Hanmeng Liu, Jindong Wang, Xing Xie and Yue Zhang .....	12731
<i>Investigating the Saliency of Sentiment Expressions in Aspect-Based Sentiment Analysis</i> Joachim Wagner and Jennifer Foster .....	12751
<i>DMLM: Descriptive Masked Language Modeling</i> Edoardo Barba, Niccolò Campolungo and Roberto Navigli .....	12770
<i>Reproducibility in NLP: What Have We Learned from the Checklist?</i> Ian Magnusson, Noah A. Smith and Jesse Dodge .....	12789
<i>Domain Generalization via Switch Knowledge Distillation for Robust Review Representation</i> You Zhang, Jin Wang, Liang-Chih Yu, Dan Xu and Xuejie Zhang .....	12812
<i>On Search Strategies for Document-Level Neural Machine Translation</i> Christian Herold and Hermann Ney .....	12827
<i>Causal Intervention for Mitigating Name Bias in Machine Reading Comprehension</i> Jiazheng Zhu, shaojuan wu, Xiaowang Zhang, Yuexian Hou and Zhiyong Feng .....	12837

<i>Counterfactual Probing for the Influence of Affect and Specificity on Intergroup Bias</i>	
Venkata Subrahmanyam Govindarajan, David I Beaver, Kyle Mahowald and Junyi Jessy Li	12853
<i>SongRewriter: A Chinese Song Rewriting System with Controllable Content and Rhyme Scheme</i>	
Yusen Sun, Liangyou Li, Qun Liu and Dit-Yan Yeung	12863
<i>Triplet-Free Knowledge-Guided Response Generation</i>	
Dongming Li, Jianfeng Liu and Baoyuan Wang	12881
<i>Implicit Memory Transformer for Computationally Efficient Simultaneous Speech Translation</i>	
Matthew Raffel and Lizhong Chen	12900
<i>Enhancing Document-level Event Argument Extraction with Contextual Clues and Role Relevance</i>	
Wanlong Liu, shaohuan cheng, Dingyi Zeng and Qu Hong	12908
<i>Exploring the Impact of Vision Features in News Image Captioning</i>	
Junzhe Zhang and Xiaojun Wan	12923
<i>Using Collostructional Analysis to evaluate BERT's representation of linguistic constructions</i>	
Tim Veenboer and Jelke Bloem	12937
<i>Selecting Better Samples from Pre-trained LLMs: A Case Study on Question Generation</i>	
Xingdi Yuan, Tong Wang, Yen-Hsiang Wang, Emery Fine, Rania Abdelghani, H�el�ene Sauz�eon and Pierre-Yves Oudeyer	12952
<i>Sentiment Knowledge Enhanced Self-supervised Learning for Multimodal Sentiment Analysis</i>	
Fan Qian, Jiqing Han, Yongjun He, Tieran Zheng and Guibin Zheng	12966
<i>Theory of Mind in Freely-Told Children's Narratives: A Classification Approach</i>	
Bram van Dijk, Marco Spruit and Max J. van Duijn	12979
<i>Better Language Models of Code through Self-Improvement</i>	
Hung Quoc To, Nghi D. Q. Bui, Jin L.C. Guo and Tien N Nguyen	12994
<i>Challenging BIG-Bench Tasks and Whether Chain-of-Thought Can Solve Them</i>	
Mirac Suzgun, Nathan Scales, Nathanael Sch�arli, Sebastian Gehrmann, Yi Tay, Hyung Won Chung, Aakanksha Chowdhery, Quoc Le, Ed H Chi, Denny Zhou and Jason Wei	13003
<i>Score It All Together: A Multi-Task Learning Study on Automatic Scoring of Argumentative Essays</i>	
Yuning Ding, Marie Bexte and Andrea Horbach	13052
<i>Data Sampling and (In)stability in Machine Translation Evaluation</i>	
Chi-kiu Lo and Rebecca Knowles	13064
<i>Probing Graph Decomposition for Argument Pair Extraction</i>	
Yang Sun, Bin Liang, Jianzhu Bao, Yice Zhang, Geng Tu, Min Yang and Ruifeng Xu	13075
<i>DiffuSum: Generation Enhanced Extractive Summarization with Diffusion</i>	
Haopeng Zhang, Xiao Liu and Jiawei Zhang	13089
<i>Towards Parameter-Efficient Integration of Pre-Trained Language Models In Temporal Video Grounding</i>	
Erica Kido Shimomoto, Edison Marrese-Taylor, Hiroya Takamura, Ichiro Kobayashi, Hideki Nakayama and Yusuke Miyao	13101
<i>A Memory Model for Question Answering from Streaming Data Supported by Rehearsal and Anticipation of Coreference Information</i>	
Vladimir Araujo, Alvaro M Soto and Marie-Francine Moens	13124

<i>Pay Attention to Implicit Attribute Values: A Multi-modal Generative Framework for AVE Task</i> Yupeng Zhang, Shensi Wang, Peiguang Li, Guanting Dong, Sirui Wang, Yunsen Xian, Zhoujun Li and Hongzhi Zhang . . . . .	13139
<i>CoRRPUS: Code-based Structured Prompting for Neurosymbolic Story Understanding</i> Yijiang Dong, Lara J. Martin and Chris Callison-Burch . . . . .	13152
<i>Fighting Bias With Bias: Promoting Model Robustness by Amplifying Dataset Biases</i> Yuval Reif and Roy Schwartz . . . . .	13169
<i>Context-Aware Document Simplification</i> Liam Cripwell, Joël LeGrand and Claire Gardent . . . . .	13190
<i>Distinguish Before Answer: Generating Contrastive Explanation as Knowledge for Commonsense Question Answering</i> Qianglong Chen, Guohai Xu, Ming Yan, Ji Zhang, Fei Huang, Luo Si and Yin Zhang . . . . .	13207
<i>Abstract then Play: A Skill-centric Reinforcement Learning Framework for Text-based Games</i> Anjie Zhu, Peng-Fei Zhang, Yi Zhang, Zi Huang and Jie Shao . . . . .	13225
<i>SSP: Self-Supervised Post-training for Conversational Search</i> Quan Tu, Shen Gao, Xiaolong Wu, Zhao Cao, Ji-Rong Wen and Rui Yan . . . . .	13237
<i>Towards Reference-free Text Simplification Evaluation with a BERT Siamese Network Architecture</i> Xinran Zhao, Esin Durmus and Dit-Yan Yeung . . . . .	13250
<i>Causal interventions expose implicit situation models for commonsense language understanding</i> Takateru Yamakoshi, James L McClelland, Adele Goldberg and Robert Hawkins . . . . .	13265
<i>Iterative Nearest Neighbour Machine Translation for Unsupervised Domain Adaptation</i> Hui Huang, Shuangzhi Wu, Xinnian Liang, Zefan Zhou, Muyun Yang and Tiejun Zhao . . . . .	13294
<i>PruMUX: Augmenting Data Multiplexing with Model Compression</i> Yushan Su, Vishvak Murahari, Karthik Narasimhan and Kai Li . . . . .	13302
<i>With Prejudice to None: A Few-Shot, Multilingual Transfer Learning Approach to Detect Social Bias in Low Resource Languages</i> Nihar Ranjan Sahoo, Niteesh Kumar Reddy Mallela and Pushpak Bhattacharyya . . . . .	13316
<i>Don't Lose Yourself! Empathetic Response Generation via Explicit Self-Other Awareness</i> Weixiang Zhao, Yanyan Zhao, Xin Lu and Bing Qin . . . . .	13331
<i>Are Layout-Infused Language Models Robust to Layout Distribution Shifts? A Case Study with Scientific Documents</i> Catherine Chen, Zejiang Shen, Dan Klein, Gabriel Stanovsky, Doug Downey and Kyle Lo . . . . .	13345
<i>Enhancing Neural Topic Model with Multi-Level Supervisions from Seed Words</i> Yang Lin, Xin Gao, Xu Chu, Yasha Wang, Junfeng Zhao and Chao Chen . . . . .	13361
<i>Learning from Children: Improving Image-Caption Pretraining via Curriculum</i> Hammad Ayyubi, Rahul Lokesh, Alireza Zareian, Bo Wu and Shih-Fu Chang . . . . .	13378
<i>Discovering Language Model Behaviors with Model-Written Evaluations</i> Ethan Perez, Sam Ringer, Kamile Lukosiute, Karina Nguyen, Edwin Chen, Scott Heiner, Craig R Pettit, Catherine Olsson, Sandipan Kundu, Saurav K Kadavath, Andy Jones, Anna Chen, Benjamin Mann, Brian R Israel, Bryan Seethor, Cameron McKinnon, Christopher Olah, Da Yan, Daniela	

Amodei, Dario Amodei, Dawn Drain, Dustin Li, Eli Tran-Johnson, Guro Khundadze, Jackson Kernion, James Landis, Jamie D Kerr, Jared Mueller, Jeeyoon Hyun, Joshua Lee Landau, kamal ndousse, Landon Goldberg, Liane Lovitt, Martin Lucas, Michael Sellitto, Miranda Huixin Zhang, Neerav King- sland, Nelson Elhage, Nicholas Joseph, Noemi Mercado, Nova Xenia DasSarma, Oliver Rausch, Robin Larson, Sam McCandlish, Scott Johnston, Shauna Kravec, Sheer El Showk, Tamera Lanham, Timothy Telleen-Lawton, Tom Brown, Tom Henighan, Tristan Glen Hume, Yuntao Bai, Zac Hatfield-Dodds, Ja- ck Clark, Samuel R. Bowman, Amanda Askill, Roger Baker Grosse, Danny Hernandez, Deep Ganguli, Evan J Hubinger, Nicholas Schiefer and Jared Kaplan . . . . .	13387
<i>Cross-Domain Argument Quality Estimation</i>	
Michael Fromm, Max Berrendorf, Evgeniy Faerman and Thomas Seidl . . . . .	13435
<i>DiaASQ: A Benchmark of Conversational Aspect-based Sentiment Quadruple Analysis</i>	
Bobo Li, Hao Fei, Fei Li, Yuhan Wu, Jinsong Zhang, Shengqiong Wu, Jingye Li, Yijiang Liu, Lizi Liao, Tat-Seng Chua and Donghong Ji . . . . .	13449
<i>GeoDRL: A Self-Learning Framework for Geometry Problem Solving using Reinforcement Learning in Deductive Reasoning</i>	
Shuai Peng, Di Fu, Yijun Liang, Liangcai Gao and Zhi TANG . . . . .	13468
<i>Uncertainty-Aware Unlikelihood Learning Improves Generative Aspect Sentiment Quad Prediction</i>	
Mengting Hu, Yinhao Bai, Yike Wu, Zhen Zhang, Liqi Zhang, Hang Gao, Shiwang Zhao and Minlie Huang . . . . .	13481
<i>Adversarial Knowledge Stimulated Contrastive Prompting for Few-shot Language Learners</i>	
Kai Zheng, Qingfeng Sun, Yaming Yang, Tengchao Lv, Yeyong Pi, changlin zhao, Fei Xu and Qi Zhang . . . . .	13495
<i>Making Pre-trained Language Models Better Learn Few-Shot Spoken Language Understanding in More Practical Scenarios</i>	
Yufan Wang, Jie Mei, Bowei Zou, Rui Fan, Tingting He and Ai Ti Aw . . . . .	13508
<i>Typology Guided Multilingual Position Representations: Case on Dependency Parsing</i>	
Tao Ji, Yuanbin Wu and xiaoling Wang . . . . .	13524
<i>Learning Event-aware Measures for Event Coreference Resolution</i>	
Yao Yao, Zuchao Li and Hai Zhao . . . . .	13542
<i>Second Language Acquisition of Neural Language Models</i>	
Miyu Oba, Tatsuki Kuribayashi, Hiroki Ouchi and Taro Watanabe . . . . .	13557
<i>On the Universal Adversarial Perturbations for Efficient Data-free Adversarial Detection</i>	
SongYang Gao, Shihan Dou, Qi Zhang, Xuanjing Huang, Jin Ma and Ying Shan . . . . .	13573
<i>Exploring the Effectiveness of Prompt Engineering for Legal Reasoning Tasks</i>	
Fangyi Yu, Lee Quartey and Frank Schilder . . . . .	13582
<i>End-to-end Aspect-based Sentiment Analysis with Combinatory Categorical Grammar</i>	
Yuanhe Tian, Weidong Chen, Bo Hu, Yan Song and Fei Xia . . . . .	13597
<i>ConKI: Contrastive Knowledge Injection for Multimodal Sentiment Analysis</i>	
Yakun Yu, Mingjun Zhao, Shi-ang Qi, Feiran Sun, Baoxun Wang, Weidong Guo, Xiaoli Wang, Lei Yang and Di Niu . . . . .	13610
<i>On Degrees of Freedom in Defining and Testing Natural Language Understanding</i>	
Saku Sugawara and Shun Tsugita . . . . .	13625

<i>AttenWalker: Unsupervised Long-Document Question Answering via Attention-based Graph Walking</i> Yuxiang Nie, Heyan Huang, Wei Wei and Xian-Ling Mao .....	13650
<i>Adaptive Ordered Information Extraction with Deep Reinforcement Learning</i> Wenhao Huang, Jiaqing Liang, Zhixu Li, Yanghua Xiao and chuanjun ji .....	13664
<i>Wasserstein-Fisher-Rao Embedding: Logical Query Embeddings with Local Comparison and Global Transport</i> Zihao Wang, Weizhi Fei, Hang Yin, Yangqiu Song, Ginny Y. Wong and Simon See .....	13679
<i>RISE: Leveraging Retrieval Techniques for Summarization Evaluation</i> David Uthus and Jianmo Ni .....	13697
<i>On the Difference of BERT-style and CLIP-style Text Encoders</i> Zhihong Chen, Guiming Hardy Chen, Shizhe Diao, Xiang Wan and Benyou Wang .....	13710
<i>Model Interpretability and Rationale Extraction by Input Mask Optimization</i> Marc Felix Brinner and Sina Zarrieß .....	13722
<i>NusaCrowd: Open Source Initiative for Indonesian NLP Resources</i> Samuel Cahyawijaya, Holy Lovenia, Alham Fikri Aji, Genta Indra Winata, Bryan Wilie, Fajri Koto, Rahmad Mahendra, Christian Wibisono, Ade Romadhony, Karissa Vincentio, Jennifer Santoso, David Moeljadi, Cahya Wirawan, Frederikus Hudi, Muhammad Satrio Wicaksono, Ivan Halim Parmonangan, Ika Alfina, Ilham Firdausi Putra, Samsul Rahmadani, Yulianti Oenang, Ali Akbar Septiandri, James Jaya, Kaustubh Dhole, Arie Suryani, Rifki Afina Putri, Dan Su, Keith David Stevens, Made Nindyatama Nityasya, Muhammad Farid Adilazuarda, Ryan Ignatius Hadiwijaya, Ryandito Diandaru, Tiezheng Yu, Vito Ghifari, Wenliang Dai, Yan Xu, Dyah Inastra Damapuspita, Haryo Akbarianto Wibowo, Cuk Tho, Ichwanul Muslim Karo Karo, Tirana Noor Fatyanosa, Ziwei Ji, Graham Neubig, Timothy Baldwin, Sebastian Ruder, Pascale Fung, Herry Sujaini, Sakriani Sakti and Ayu Purwarianti	13745
<i>Transcribing Vocal Communications of Domestic Shiba Inu Dogs</i> Jieyi Huang, Chunhao Zhang, Mengyue Wu and Kenny Q. Zhu .....	13819
<i>SkillQG: Learning to Generate Question for Reading Comprehension Assessment</i> Xiaoqiang Wang, Bang Liu, Siliang Tang and Lingfei Wu .....	13833
<i>Improving Long Dialogue Summarization with Semantic Graph Representation</i> Yilun Hua, Zhaoyuan Deng and Kathleen McKeown .....	13851
<i>Model Intrinsic Features of Fine-tuning based Text Summarization Models for Factual Consistency</i> Jongyoon Song, Nohil Park, Bongkyu Hwang, Jaewoong Yun, Seongho Joe, Youngjune L Gwon and Sungroh Yoon .....	13884
<i>EfficientVLM: Fast and Accurate Vision-Language Models via Knowledge Distillation and Modal-adaptive Pruning</i> Tiannan Wang, Wangchunshu Zhou, Yan Zeng and Xinsong Zhang .....	13899
<i>DP-BART for Privatized Text Rewriting under Local Differential Privacy</i> Timour Igamberdiev and Ivan Habernal .....	13914
<i>Robustness of Learning from Task Instructions</i> Jiasheng Gu, Hongyu Zhao, Hanzi Xu, Liangyu Nie, Hongyuan Mei and Wenpeng Yin ...	13935
<i>Masked Latent Semantic Modeling: an Efficient Pre-training Alternative to Masked Language Modeling</i> Gábor Berend .....	13949



<i>Detection and Mitigation of the Negative Impact of Dataset Extractivity on Abstractive Summarization</i> Yubin Ge, Sullam Jeoung, Ly Dinh and Jana Diesner .....	13963
<i>Commonsense Knowledge Graph Completion Via Contrastive Pretraining and Node Clustering</i> Siwei Wu, Xiangqing Shen and Rui Xia .....	13977
<i>Incorporating Factuality Inference to Identify Document-level Event Factuality</i> Heng Zhang, Peifeng Li, Zhong Qian and Xiaoxu Zhu .....	13990
<i>Hybrid and Collaborative Passage Reranking</i> Zongmeng Zhang, Wengang Zhou, Jiabin Shi and Houqiang Li .....	14003
<i>Sentence Embedding Leaks More Information than You Expect: Generative Embedding Inversion Attack to Recover the Whole Sentence</i> Haoran LI, Mingshi XU and Yangqiu Song .....	14022
<i>Learning Query Adaptive Anchor Representation for Inductive Relation Prediction</i> Zhiwen Xie, Yi Zhang, Jin Liu, Guangyou Zhou and Jimmy Xiangji Huang .....	14041
<i>Context or Knowledge is Not Always Necessary: A Contrastive Learning Framework for Emotion Recognition in Conversations</i> Geng Tu, Bin Liang, Ruibin Mao, Min Yang and Ruifeng Xu .....	14054
<i>Exploring Speaker-Related Information in Spoken Language Understanding for Better Speaker Diarization</i> Luyao Cheng, Siqi Zheng, Zhang Qinglin, Hui Wang, Yafeng Chen and Qian Chen .....	14068
<i>Cross-Lingual Knowledge Distillation for Answer Sentence Selection in Low-Resource Languages</i> Shivanshu Gupta, Yoshitomo Matsubara, Ankit R Chadha and Alessandro Moschitti .....	14078
<i>Run Like a Girl! Sport-Related Gender Bias in Language and Vision</i> Sophia Harrison, Eleonora Gualdoni and Gemma Boleda .....	14093
<i>People and Places of Historical Europe: Bootstrapping Annotation Pipeline and a New Corpus of Named Entities in Late Medieval Texts</i> Vit Novotny, Kristina Luger, Michal Štefánik, Tereza Vrabцова and Ales Horak .....	14104
<i>Check-COVID: Fact-Checking COVID-19 News Claims with Scientific Evidence</i> Gengyu Wang, Kate Rose Alderman Harwood, Lawrence G Chillrud, Amith Ananthram, Melanie Subbiah and Kathleen McKeown .....	14114
<i>Early Exit with Disentangled Representation and Equiangular Tight Frame</i> Yixin Ji, Jikai Wang, Juntao Li, Qiang Chen, Wenliang Chen and Min Zhang .....	14128
<i>Tokenization with Factorized Subword Encoding</i> David Samuel and Lilja Øvrelid .....	14143
<i>Rarely a problem? Language models exhibit inverse scaling in their predictions following few-type quantifiers</i> James Michaelov and Benjamin Bergen .....	14162
<i>A Little is Enough": Few-Shot Quality Estimation based Corpus Filtering improves Machine Translation</i> Akshay Batheja and Pushpak Bhattacharyya .....	14175
<i>How effective is machine translation on low-resource code-switching? A case study comparing human and automatic metrics</i> Li Nguyen, Christopher Bryant, Oliver Mayeux and Zheng Yuan .....	14186

<i>Images in Language Space: Exploring the Suitability of Large Language Models for Vision &amp; Language Tasks</i>	
Sherzod Hakimov and David Schlangen . . . . .	14196
<i>On the Expressivity Role of LayerNorm in Transformers' Attention</i>	
Shaked Brody, Uri Alon and Eran Yahav . . . . .	14211
<i>DEnsity: Open-domain Dialogue Evaluation Metric using Density Estimation</i>	
ChaeHun Park, Seungil Chad Lee, Daniel Rim and Jaegul Choo . . . . .	14222
<i>Fixing MoE Over-Fitting on Low-Resource Languages in Multilingual Machine Translation</i>	
Maha Elbayad, Anna Y Sun and Shruti Bhosale . . . . .	14237
<i>Intent Discovery with Frame-guided Semantic Regularization and Augmentation</i>	
yajing sun, Rui Zhang, Jingyuan Yang and Wei Peng . . . . .	14254
<i>An Empirical Comparison of LM-based Question and Answer Generation Methods</i>	
Asahi Ushio, Fernando Alva-Manchego and Jose Camacho-Collados . . . . .	14262
<i>Contrastive Learning with Generated Representations for Inductive Knowledge Graph Embedding</i>	
Qian Li, Shafiq Joty, Daling Wang, Shi Feng, Yifei Zhang and Chengwei Qin . . . . .	14273
<i>Decouple knowledge from paramters for plug-and-play language modeling</i>	
Xin Cheng, Yankai Lin, Xiuying Chen, Dongyan Zhao and Rui Yan . . . . .	14288