EMNLP 2023

The 2023 Conference on Empirical Methods in Natural Language Processing

Findings of the Association for Computational Linguistics: EMNLP 2023

December 6-10, 2023

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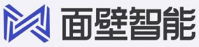

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Message from the General Chair

I am happy to welcome you to EMNLP-2023 in Singapore! Like EMNLP-2021, EMNLP-2022, and other ACL-related meetings, we decided to host EMNLP-2023 as another hybrid conference having both in-person and virtual presentations and participants. We are not sure how long this style of our meetings will last. However, we have already accustomed to this style of conferences, which has its own advantages, while it causes a heavy burden to those organizing such events.

The past one year has been a terrific and thrilling year since the advent of ChatGPT and other Large Language Models. Any people having access to those models has posed a big impact on people's impression about AI and has started to give them a feeling of fear. People now can do not only natural conversation with AI but also conduct various natural language tasks using our own languages. We now know it is difficult to guarantee that Large Language Models produce honest and harmless outputs. We have found that good prompting, demonstrations and complex ones like the Chain of Thought prompting draw out or enhance the emergent abilities of Large Language Models. However, we still don't know precisely why and how such in-context learning works. This year's EMNLP highlights a theme track, "Large Language Models and the Future of NLP." I hope we can see enthusiastic discussions and innovative ideas will be presented in EMNLP-2023.

One big trial is that the Program Chairs decided to use OpenReview as the cradle of the main conference papers, for making reviews and author responses publicly available. The motivation and effects of this trial will be explained by the PC Chairs.

Another important trial is to rent out the Universal Studio Singapore for our Social Event. I hope everyone will enjoy this event.

EMNLP-2023 is the biggest conference ever in the SIGDAT history. Organizing such a big event is very difficult. As the General Chair, the most important and difficult task is to organize all the committees by a group of enthusiastic and talented people. I was very fortunate to be able to collect great committee members. Without such a wonderful group of colleagues, it almost has been impossible to make this great event happen. I would like to send my sincere thanks to all the members of our organization teams. Here, I only list the chairs by names, but I also like to send gratitude from my heart to all the people involved in EMNLP-2023, including keynote speakers, panelists, workshop organizers, tutorial tutors, senior area chairs, area chairs, reviewers, volunteers, sponsors, the Underline team, and all of you attending EMNLP-2023 in-person or virtually.

- The program chairs — Houda Bouamor, Juan Pino, and Kalika Bali — who made a number of innovations and handled a huge number of submitted papers. I cannot help but be grateful for their tireless work.
- The Local Chair and the Local Team — Haizhou Li the Chair organized and lead a wonderful group of people. While I cannot name every one of them, weekly meetings with the team members including related Chairs made our communication smooth and worked as a good time-keeper.

For the remaining committee chairs, I only list them by names, as I cannot give all my gratitude only with short messages.

- The Industry Track Chairs — Mingxuan Wang and Imed Zitouni
- The Workshop Chairs — Sujian Li, Alex Marin, and Hao Fei
- The Tutorial Chairs — Qi Zhang and Hassan Sajjad

- The Ethics Chairs — Kemal Oflazer and Francisco Guzman
- The Demonstration Chairs — Yansong Feng and Els Lefever
- The Publication Chairs — Nadi Tomeh, Atsushi Fujita, Aixin Sun, Bin Wang, Rong Tong, and Ryan Cotterell
- Publicity Chairs: Weiwei Sun and Noriki Nishida
- The Student Volunteer Chairs — Mamoru Komachi, Kevin Duh, and Ekaterina Kochmar
- The Diversity/Inclusion Chairs — Jing Li, Luisa Bentivogli, Eva Vanmassenhove, and Shi Zong
- The Reviewer Mentoring Chairs — Roi Reichart and Roy Lee
- The Sponsorship Chairs — Deyi Xiong, Shyam Upadhyay, and the ACL Sponsorship Director, Chris Callison-Burch
- The Website Chairs — Yan Zhang and Benyou Wang
- The Virtual Infrastructure Chairs — Feng Jiang, Chen Zhang, and the Underline Science team, especially Damira Mršić
- Last but least, I want to express special thanks to Jennifer Rachford, the ACL Business Manager for her endless attention and guidance to all aspects of the organization.

I also express my gratitude to our sponsors, without their donation this conference would not be possible:

- Diamond Sponsors: Apple, Colossal-AI, Google Research, GTCOM, King Salman Global Academy for Arabic Language, LivePerson, and SONY
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Finally, I hope all of you enjoy the main conference, workshops, tutorials and all other events, and make your stay in Singapore an unforgettable experience!

Yuji Matsumoto
RIKEN AIP, Tokyo, Japan
EMNLP 2023 General Chair

Message from the Program Co-Chairs

Welcome to EMNLP 2023, one of the most-attended conferences in the field of Natural Language Processing, held in "hybrid" mode this year serving both virtual and in-person participants in Singapore, where we have increased the number of Findings papers to be more inclusive and to showcase the diversity and quality of research in our field.

Submission and Acceptance

EMNLP 2023 received 4,909 full paper submissions, the largest number to date. This number includes 134 ARR papers that were committed to EMNLP (see further discussion of ARR below). 256 papers were desk rejected for various reasons (missing limitation section, anonymity policy, multiple submission policy or formatting violations), leaving us with submissions that were fully reviewed. This is a record-breaking number of submissions, an increase of 719 submissions over last year. Based on the reviewers, area chairs and senior area chair comments, we have tried to keep the EMNLP 2023 main acceptance rates similar to previous events while increasing the number of Findings.

We accepted 1,105 papers to the main conference including 9 nominated by the Computational Linguistics (CL) journal, and 49 by the Transactions of the Association of Computational Linguistics (TACL). Out of these, 234 are oral presentations and 871 poster presentations. We also accepted 1,060 papers for "Findings of EMNLP". Additionally, a total of 77 and 52 submissions were accepted to be presented in the Industry and Demo tracks, respectively.

More statistics on the accepted papers can be found below.

	Long	Short	Total
Submitted (Including ARR commits)	3,868	1,041	4,909
Accepted to the Main conference	901	146	1,047
Acceptance Rate (main conference)	23.3%	14.0%	21.3%
Accepted to Findings	857	203	1,060
Acceptance Rate (Main + Findings)	45.4%	33.5%	42.9%
Presented TACL papers			49
Presented CL papers			9
Accepted Industry			77
Accepted Demo			52

Limitations Statement

We continued the practice started in the previous year with a requirement that each submitted paper must include an explicitly named Limitations section, discussing the limitations of the work. This discussion does not count towards the page limit, and was strictly implemented. A large number of desk rejects were due to a missing Limitations section.

Tracks

To ensure a smooth process, the submissions to EMNLP 2023 were divided into 27 tracks. The tracks mostly followed those of previous EMNLP conferences, reflecting the "standard" divisions in the field. We did however make the following changes: the "Multilinguality" track became "Multilinguality and Linguistic Diversity" to explicitly call out the work on diverse languages; and we added ONE additional track on "Human-centered NLP". Finally, we continued the inclusion of a "Theme Track" and solicited

papers on "Large Language Models and the Future NLP", discussing empirical and theoretical research, as well as position and survey papers on the ways in which the new generation of Large Language Models perform for NLP tasks and applications, and what this means for the future of NLP as a field. Of the 27 tracks, the Resources and Evaluation, NLP Applications, Dialogue and Interactive Systems, Information Extraction, and the Theme tracks were the most popular with over 200 submissions per track.

Program committee structure & reviewing

Similar to prior NLP conferences, we adopted the hierarchical program committee structure, where for each area we invited between 1 to 5 Senior Area Chairs (SACs), who worked with a team of Area Chairs (ACs), and an army of reviewers. We relied on statistics from prior years to estimate how many SACs, ACs and reviewers will be needed and ended up with 85 SACs and 458 ACs. For the reviewers, we used the reviewer lists from prior conferences, solicited volunteer reviewers. To this end, we used the reviewers from ACL2023. We provided the information to the program committee for making reviewer assignments. This resulted in a reviewer pool of 4,094 reviewers of which at least 3,643 reviewers submitted at least one review. For each submission, we assigned three reviewers and an AC. The initial paper assignment was made using an automatic algorithm that matches the abstracts and submitted PDFs with ACs/reviewers' past publication records, then the assignments were further refined by the SACs/PCs. This matching was done at the global level and not localized per track, which meant that a reviewer could review two (or more) relevant papers from different tracks.

Open Review (see Transparency and Quality of Reviews below) calculated affinity scores making sure that each reviewer does not have a load exceeding 5 papers. We also accommodated requests for a limited load. Besides the overall recommendation, reviewers were asked whether there was any ethical concern. To ensure the review quality, we provided detailed guidelines about what reviewers should and shouldn't do in a review.

We made final decisions according to the rankings and SAC recommendations. Our final decisions were made not just on the review scores, but also took into account the reviews, author responses, discussion, meta-reviews and SAC/AC recommendations.

Transparency and Quality of Reviews

For a transparent and open reviewing system, this year we have implemented a process by which some of the reviews, author responses and meta reviews will be made publicly available. Our motivation here was to provide increased transparency in the review process, to foster more accountability for reviewers and higher quality reviews as well as enabling peer review research by providing an open collection of papers and reviews. Only reviews, author responses and meta reviews of accepted papers and opt-in rejected papers (where opting in is done by authors) will be made publicly available after the acceptance notifications. The requirement of making reviews open meant that we had to move the conference platform from SoftConf to OpenReview. The OpenReview platform is also currently being used by the ACL Rolling Review and some other related conferences and is well suited to this type of process.

We also introduced a rebuttal and discussions cycle to the reviewing process, where we allowed the reviewers and the authors to have conversations as a part of it. We also allowed for some additional experimentations during the rebuttal. This has, on the whole, seen a positive engagement from the authors and the reviewers. These discussions were extremely useful for the meta-reviews, and final paper decisions. This, we believe, also helps in ensuring high quality reviews to a certain extent.

A lot of behind-the scenes technical and other work has gone into making this possible. We are grateful to everyone for their patience with some of the glitches on the way. We hope that more and more authors

will choose to make their reviews and data available for the community, and more and more reviewers will engage in the rebuttal discussions.

Ethics committee

We also formed an Ethics Committee (EC) dedicated to ethical issues. Besides, we strongly encouraged the authors to include an ethics statement that did not count towards the page limit. After the technical reviews, but before the author-response and discussion phases, the ethics committee considered 54 papers that were flagged by the technical reviewing committee for ethical concerns. The two EC chairs went over the papers, to determine whether a full EC review would be required. As a result, 23 papers received two dedicated ethics reviews from a committee of 42 reviewers recruited by the EC chairs. We thank the committee for their excellent work.

ACL Rolling Review

ACL Rolling Review (ARR) is an initiative of the Association for Computational Linguistics, where the reviewing and acceptance of papers to publication venues are done in a two-step process: (1) centralized rolling review and (2) the ability to commit the reviewed papers to be considered for publication by a publication venue. For EMNLP 2023, we continued the process from last year where the authors could either submit papers to EMNLP 2023 directly, or commit ARR reviewed papers by a certain date. We coordinated with the ARR team to extract the submission, review and meta-review. ARR submissions already have their reviews and meta-recommendation. These ARR papers were then ranked by the SACs of the given tracks.

Overall, EMNLP had 134 papers committed from ARR, of these 52 were accepted to the main conference and 45 were accepted to Findings of EMNLP.

Best paper selection

This year we increased the number of best paper awards as following:

a) Best Paper (Long)

b) Best Paper (Short)

c) Best Paper (Theme)

d) Best Paper (Industry)

e) Best Paper (Demo)

f) Outstanding Paper in each of the tracks including the Theme, Industry and Demo tracks

Based on the nominations from SACs and ACs, we have identified 107 candidates for consideration for the best papers and outstanding papers award. These papers are assessed by the Best Paper Award Committee. The award winners will be announced and present their works at the closing ceremony.

Presentation Mode

We attempted the decision for oral vs poster presentations not to be made based on the quality/merit of the papers, but rather on the authors' interest in the presentation mode, and our understanding of what would be the best format for presentation of each individual paper.

Keynote talks

Another highlight of our program is the three exciting keynote talks, presented by Prof. Jong Park, KAIST, on "Human-Centric Natural Language Processing"; Prof. Emily M. Provost, University of Michigan, on "From Speech to Emotion to Mood: Mental Health Modeling in Real-World Environments" & Prof. Christopher Manning from Stanford University, on "Academic NLP research in the Age of LLMs: Nothing but blue skies!"

Gratitude

We would like to thank the following people for their support & contributions:

- Our General Chair, Yuji Matsumoto, who led the whole organizing team, and helped with many of the decision processes;
- 85 SACs who helped us throughout the entire review process, from assigning papers, checking review quality, making final recommendation, suggesting presentation formats to recommending best paper candidates;
- 458 ACs who checked the initial submissions, led paper discussions, wrote meta reviews, ensured review quality and suggested best paper candidates;
- 3,643 reviewers who reviewed the papers and actively participated in paper discussions; special thanks to those who stepped in at the last minute to serve as emergency reviewers;
- 42 Ethics Committee members, chaired by Kemal Oflazer and Francisco Guzman, for their hard work in providing ethical reviews and meta-reviews for all papers with serious ethical issues, and ensure that all the conditionally accepted papers have addressed the ethical issues appropriately;
- The 26 members of the Best Paper Award Committee for selecting the best papers;
- Publication Chairs Nadi Tomeh, Atsushi Fujita, Aixin Sun, Bin Wang, Rong Tong, and Ryan Cotterell for completing the final proceedings within a short period;
- ACL Anthology Director Matt Post and his team, for his help in the production of the conference proceedings and maintenance of the ACL Anthology;
- TACL editor-in-chief Asli Celikyilmaz & Roi Reichart, TACL Editorial Assistant Cindy Robinson, and CL Editor-in-Chief Hwee Tou Ng for coordinating TACL and CL presentations with us;
- The ARR team for their continued effort in running ARR, and for coordination with us;
- The Open Review team, especially Harold Rubio and Celeste Matinez for multiple rounds of technical help in setting up EMNLP 2023 on the OR platform;
- Website chairs Yan Zhang and Benyou Wang for their continued effort in prompt updates to the website;
- Publicity chairs Weiwei Sun and Noriki Nishada for publicizing the conference and handling communications on social media.
- Damira Mršic and the whole Underline team, for helping to manage the logistics of both the virtual and online conference.
- Jenn Rachford for her patience, and professional invaluable help in organizing the logistics of the conference.

- Haizhou Li and the rest of the Local Organizing Committee, for various discussions on organizing EMNLP, and making the local arrangements.
- 14,105 authors who submitted their work to EMNLP 2023.

We hope that you will enjoy this year's program and hybrid conference!

Houda Bouamor, Carnegie Mellon University in Qatar
Juan Pino, Meta
Kalika Bali, Microsoft Research Labs India
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Efficient Methods for NLP

Cody Blakeney, Patrick H. Chen, Tim Dettmers, Beyza Ermis, Utku Evci, Sara Hooker, Yuhang Li, Bradley McDanel, Vishvak Murahari, Jonas Pfeiffer, Edoardo Ponti, Mohammad Rostami, Andreas Rücklé, Tal Schuster, Roy Schwartz, Dustin Wright, Mengzhou Xia, Ahmet Üstün

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Human-Centered NLP

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Information Extraction

Jun Araki, Yixin Cao, Muhao Chen, Hao Cheng, Christos Christodoulopoulos, Asif Ekbal, Hao Fei, Debasis Ganguly, Xu Han, Ruihong Huang, Fei Li, Hongyu Lin, Kang Liu, Tingwen Liu, Zhiyuan Liu, Wei Lu, Bhaskar Mitra, Sudip Naksar, Thien Huu Nguyen, Qiang Ning, Ankur Padia, Jay Pujara, Alan Ritter, Mrinmaya Sachan, Yu Su, Scott Yih, Wenpeng Yin, Yue Zhang

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Interpretability, Interactivity and Analysis of Models for NLP

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Ramaneswaran S, Hadeel Saadany, Zaina J. Z. Saadeddin, Arkadiy Saakyan, Masoud Jalili Sabet, Caroline Sabty, Mobashir Sadat, Arka Sadhu, Philipp Sadler, Sahar Sadrizadeh, Mehrnoosh Sadrzadeh, Marzieh Saeidi, Mustafa Safdari, Alsu Sagirova, Monjoy Saha, Sougata Saha, Swarnadeep Saha, Tanay Kumar Saha, Saurav Sahay, Sovan Kumar Sahoo, Oscar Sainz, Sakriani Sakti, Mohammadreza Salehi, Elizabeth Salesky, Vishal Vivek Saley, Avneesh Saluja, Pranay Reddy Samala, Niloofar Safi Samghabadi, Farhan Samir, Abhilasha Sancheti, Ramses J Sanchez, Vicente Ivan Sanchez Carmona, Anushka Sandesara, Jivnesh Sandhan, Sashank Santhanam, Andrea Santilli, Diana Santos, Bishal Santra, Sebastin Santy, Maarten Sap, Irina Saparina, Abulhair Saparov, Maya Sappelli, Xabier Saralegi, Chayan Sarkar, Rajdeep Sarkar, Rupak Sarkar, Ritesh Sarkhel, Parth Sarthi, Gabriele Sarti, Felix Sasaki, Minoru Sasaki, Shota Sasaki, Ryohei Sasano, MSV-PJ Sathvik, Giorgio Satta, Danielle Saunders, Rohit Saxena, Michael Saxon, Kevin Scaria, Frank Schilder, David Schlangen, Viktor Schlegel, Jörg Schlötterer, Helmut Schmid, Fabian David Schmidt, Robin M. Schmidt, Martin Schmitt, Tyler Schnoebelen, Florian Schottmann, Hendrik Schuff, William Schuler, Claudia Schulz, Elliot Schumacher, Raphael Schumann, Diarmuid O Seaghdha, Anastasiia Sedova, Kyle Seelman, Nasredine Semmar, Indira Sen, Sailik Sengupta, Shubhashis Sengupta, Jaehyung Seo, Seungmin Seo, Royal Sequiera, Sofia Serrano, Agam Shah, Ankit Shah, Muhammad A Shah, G. M. Shahariar Shibli, Cory Shain, Igor Shalyminov, Erfan A Shams, Chao Shang, Mingyue Shang, Wenbo Shang, Chen Shani, Hanyin Shao, Jie Shao, Yijia Shao, Yujie Shao, Natalie Shapira, Ori Shapira, Abhishek Sharma, Aditya Sharma, Ashish Sharma, Drishti Sharma, Karishma Sharma, Piyush Sharma, Prawaal Sharma, Roshan Sharma, Shivam Sharma, Serge Sharoff, Shuaijie She, Artem Shelmanov, Hua Shen, Jiaming Shen, Jocelyn J Shen, Lingfeng Shen, Shiqi Shen, Siqi Shen, Tianhao Shen, Xin Shen, Ying Shen, Yongliang Shen, Yuming Shen, Zejiang Shen, Zhengyuan Shen, Emily Sheng, Jiawei Sheng, Qiang Sheng, Quan Z. Sheng, Zhecheng Sheng, Ashish Shenoy, Tom Sherborne, Akshay Krishna Sheshadri, Chen Shi, Jihao Shi, Kaize Shi, Ning Shi, Peng Shi, Shuming Shi, Tao Shi, Tianze Shi, Xiao Shi, Zhan Shi, Zhengxiang Shi, Tomohide Shibata, Gyu-Ho Shin, Kazutoshi Shinoda, Takahiro Shinozaki, Prashant Shiralkar, Harry Shomer, Ziyi Shou, Mohit Shridhar, Ritvik Shrivastava, Dong Shu, Kai Shu, Raphael Shu, Yuxuan Shu, Ruihao Shui, Zeren Shui, KaShun Shum, Chenglei Si, Jiasheng Si, Shuzheng Si, Anthony Sicilia, A.B. Siddique, Melanie Siegel, Ankur Sikarwar, Sandipan Sikdar, Max Silberztein, João Silva, Kanishka Silva, Stefano Silvestri, Robert Sim, Patrick Simianer, Abhishek Singh, Harman Singh, Ishika Singh, Jyotika Singh, Mukul Singh, Shubhankar Singh, Telem Joyson Singh, Sneha Singhania, Koustuv Sinha, Olivier Siohan, Amy Siu, Steven Skiena, Victor Skobov, Aviv Slobodkin, Noah A. Smith, Artem Sokolov, Elena Sokolova, Luca Soldaini, Amir Soleimani, Aina Garí Soler, Ilia Sominsky, Pia Sommerauer, Junyoung Son, Youngseo Son, Sheetal S. Sonawane, Feifan Song, Haiyue Song, Hyun-Je Song, Kaitao Song, Linqi Song, Nirui

Song, Ran Song, Rui Song, Yifan Song, Zhenqiao Song, Nikita Soni, Sandeep Soni, Alexey Sorokin, Dmitry Sotnikov, Anna Sotnikova, Sajad Sotudeh, Marlo Souza, Gerasimos Spanakis, Timo Spinde, Cesare Spinoso-Di Piano, Andreas Spitz, Makesh Narsimhan Sreedhar, Arvind Krishna Sridhar, Sharath Nittur Sridhar, Mukund Srinath, Gokul Srinivasagan, Balaji Vasan Srinivasan, Pranesh Srinivasan, Tejas Srinivasan, Aarohi Srivastava, Ankit Kumar Srivastava, Aseem Srivastava, Ieva Staliunaite, Dominik Stammbach, Karolina Stanczak, Marija Stanojevic, Gabriel Stanovsky, David Stap, Katherine Stasaski, Julius Steen, Shane Steinert-Threlkeld, Georg Stemmer, Elias Stengel-Eskin, Andreas Stephan, Zachary Stine, Alessandro Stolfo, Shane Storks, Tomek Strzalkowski, Phillip Benjamin Ströbel, Sara Stymne, Sebastian Stüker, Hsuan Su, Jinyan Su, Miao Su, Qiang Su, Ruolin Su, Xiangdong Su, Xin Su, Xuefeng Su, Ying Su, Yixuan Su, Pedro Ortiz Suarez, Nishant Subramani, Prasanna Lakkur Subramanyam, Smitha Muthya Sudheendra, Hiroaki Sugiyama, Kazunari Sugiyama, Yoshi Suhara, Xuhui Sui, Elior Sulem, Md Arafat Sultan, Albert Sun, Changzhi Sun, Chengjie Sun, Chenkai Sun, Fei Sun, Guangzhi Sun, Haipeng Sun, Hao Sun, Hao Sun, Hong Sun, Jian Sun, Kaiser Sun, Kun Sun, Le Sun, Ming Sun, Peijie Sun, Qiushi Sun, Renliang Sun, Rui Sun, Shichao Sun, Simeng Sun, Tianxiang Sun, Weiwei Sun, Weixuan Sun, Xiaoyang Sun, Yi Sun, Yutao Sun, Zengkui Sun, Zequn Sun, Zewei Sun, Zhiqing Sun, Zhoujian Sun, Mujeen Sung, Yoo Yeon Sung, Hanna Suominen, Marek Suppa, Abhijit Suresh, Allmin Pradhap Singh Susaiyah, Andrias Susanto, Lintang Sutawika, Benjamin Suter, Mirac Suzgun, Sarathkrishna Swaminathan, Sandesh Swamy, Munira Syed, Stan Szpakowicz, Mario Sänger, Joan Andreu Sánchez, Ricardo Muñoz Sánchez, Víctor M. Sánchez-Cartagena, Michal Štefánik

Santosh T.Y.S.S, Jeniya Tabassum, Oyvind Tafjord, Chang-Yu Tai, Dima Taji, Yu Takagi, Sho Takase, Zeerak Talat, George Tambouratzis, Aleš Tamchyna, Chao-Hong Tan, Haochen Tan, Liling Tan, Minghuan Tan, Qingyu Tan, Xingwei Tan, Ryota Tanaka, Gongbo Tang, Haoyu Tang, Hui Tang, Liyan Tang, Ruixiang Tang, Shuai Tang, Tianyi Tang, Wei Tang, Xiangru Tang, Xuemei Tang, Xunzhu Tang, Yihong Tang, Zheng Tang, Zhiwen Tang, Zineng Tang, Guanhong Tao, Mingxu Tao, Wei Tao, Sandeep Tata, Marta Tatu, Selma Tekir, Serra Sinem Tekiroglu, Eric S. Tellez, Irina Temnikova, Zhiyang Teng, Davide Testa, Alberto Testoni, Martin Teuffenbach, Katherine Thai, Khushboo Thaker, Urmish Thakker, Himanshu Thakur, Surendrabikram Thapa, Avijit Thawani, Anton Frederik Thielmann, Camilo Thorne, Ran Tian, Xuetao Tian, Yijun Tian, Yuanhe Tian, Yufei Tian, Yuhang Tian, Zhiliang Tian, Jörg Tiedemann, Zoran Tiganj, Abhisek Tiwari, Nidhi Tiwari, Prayag Tiwari, Soham Dinesh Tiwari, Hung Quoc To, Amalia Todirascu, Sebastian-Antonio Toma, Nadi Tomeh, Nicholas Tomlin, Cagri Toraman, Shubham Toshniwal, Samia Touileb, Yannick Toussaint, Benjamin Towle, Khanh Quoc Tran, Khiem Vinh Tran, Lucas Vinh Tran, Son Quoc Tran, Thi Hong Hanh Tran, Long Hai Trieu, Bayu Distiawan Trisedya, Harsh Trivedi, Sergey Troshin, Adam Tsakalidis, Dimitrios Tsarapatsanis, Bo-Hsiang Tseng, Ioannis Tsiamas, Eleftheria Tsipidi, Masaaki Tsuchida, Geng Tu, Jingxuan Tu, Yunbin Tu, Yi-Lin Tuan, Marco Turchi

Irina Ualiyeva, Rutuja Ubale, Ana Sabina Uban, Solomon Ubani, Oseremen Oscar Uduehi, Adrian Ulges, Eddie L. Ungless, Apoorva Upadhyaya, Gorka Urbizu, Ashok Urlana, Asahi Ushio, Saiteja Utpala

Jyothir S V, Venktesh V, Saujas Vaduguru, Ashwini Vaidya, Nidhi Vakil, Marco Valentino, Jannis Vamvas, Tim Van de Cruys, Chris Van der Lee, David Vandyke, Natalia Vanetik, Daniel Varab, Vasudha Varadarajan, Francielle Vargas, Neeraj Varshney, Shikhar Vashishth, Siddharth Vashishtha, Aditya Srikanth Veerubhotla, Akshaj Kumar Veldanda, Aswathy Velutharambath, Saranya Venkatraman, Gaurav Verma, Rakesh M Verma, Siddharth Verma, Yannick Versley, Iñaki San Vicente, Jesús Vilares, Dan Vilenchik, Danae Sanchez Villegas, Juraj Vladika, Nikos Voskarides, Ali Vosoughi, Pavlos Vougiouklis, Trang Vu, Yogarshi Vyas, Menno van Zaanen, Pius von Däniken, Spencer McIntosh von der Ohe

Manya Wadhwa, Hiromi Wakaki, David Wan, Hai Wan, Stephen Wan, Xingchen Wan, Yao Wan, Yixin Wan, Yu Wan, Bailin Wang, Baoxin Wang, Baoxun Wang, Benyou Wang, Bethany Yixin Wang, Bin Wang, Bingqing Wang, Boshi Wang, Boxin Wang, Chao Wang, Chao Wang, Chen Wang, Chengyu Wang, Chuan-Ju Wang, Cong Wang, Cunxiang Wang, Fei Wang, Gengyu Wang, Hai Wang, Haobo Wang, Haoyu Wang, Haoyu Wang, Haoyu Wang, Heng Wang, Hongfei Wang, Hongru Wang, Huimin Wang, Jiaan Wang, Jian Wang, Jianing Wang, Jianyu Wang, Jianzong Wang, Jiaqi Wang, Jie Wang, Jin Wang, Jin Wang, Jingjing Wang, Jue Wang, Jun Wang, Jun Wang, Junjie Wang, Ke Wang, Keheng Wang, Lei Wang, Liang Wang, Lijie Wang, Likang Wang, Lingzhi Wang, Longshaokan Wang, Peifeng Wang, Pidong Wang, Ping Wang, Qiang Wang, Qingyun Wang, Qiqi Wang, Rui Wang, Rui Wang, Rui Wang, Ruibo Wang, Saizhuo Wang, Shaobo Wang, Shi Wang, Shoujin Wang, Shuhe Wang, Siyin Wang, Song Wang, Suge Wang, Tao Wang, Tianduo Wang, Tiannan Wang, Wei Wang, Wei Wang, Wei Wang, Weiqi Wang, Weiyue Wang, Wenbo Wang, Wenhui Wang, Wenjin Wang, Wenxuan Wang, Wenya Wang, Xiangdong Wang, Xiao Wang, Xiaolin Wang, Xiaozhi Wang, Xin Wang, Xindi Wang, Xing Wang, Xintong Wang, Xinyu Wang, Xu Wang, Xuan Wang, Xuancong Wang, Xun Wang, Yang Wang, Yanshan Wang, Yaqing Wang, Ye Wang, Ye Wang, Yibo Wang, Yichen Wang, Yikun Wang, Yile Wang, Yimu Wang, Yinggui Wang, Yining Wang, Yiran Wang, Yiwei Wang, Yong Wang, Yu Wang, Yu Wang, Yue Wang, Yueqian Wang, Yun-Cheng Wang, Yuxuan Wang, Zekun Wang, Zengzhi Wang, Zhaowei Wang, Zhen Wang, Zheng Wang, Zhenhailong Wang, Zhichun Wang, Zhiguang Wang, Zhilin Wang, Zhiqiang Wang, Zhongqing Wang, Zhuoer Wang, Zhuoyi Wang, Zifeng Wang, Zihan Wang, Zihan Wang, Zihan Wang, Zihao Wang, Zijian Wang, Zijie Wang, Zilong Wang, Zixiao Wang, Ziyao Wang, Zuhui Wang, Zun Wang, Prashan Wanigasekara, Yusuke Watanabe, William Watson, Bonnie L. Webber, Leon Weber-Genzel, Tharindu Cyril Weerasooriya, Jingxuan Wei, Lingwei Wei, Penghui Wei, Tianxin Wei, Victor Junqiu Wei, Wei Wei, Shira Wein, Leonie Weissweiler, Orion Weller, Simon Wells, Bingbing Wen, Bingyang Wen, Haoyang Wen, Jiaxin Wen, Liang Wen, Yuqiao Wen, Zhihao Wen, Zhihua Wen, Zhiyuan Wen, Rongxiang Weng, Yixuan Weng, Michael Wiegand, John Frederick Wieting, Thilini Wijesiriwardene, Ethan Wilcox, Rodrigo Wilkens, Ronald Wilson, Dawid Wisniewski, Emilia Wiśnios, Raymond K. Wong, Tak-Lam Wong, Alina Wróblewska, Anna Wróblewska, Anne Wu, Ben Peng Wu, Bowen Wu, Cantao Wu, Changxing Wu, Chen Wu, Chen Henry Wu, Chien-Sheng Wu, Di Wu, Di Wu, Fangzhao Wu, Han Wu, Hua Wu, Hui Wu, Jiageng Wu, Junjie Wu, Kelly Ting Wu, Lianwei Wu, Linzhi Wu, Mengxi Wu, Qiyu Wu, Shengqiong Wu, Shih-Hung Wu, Sixing Wu, Stephen Wu, Te-Lin Wu, Ting-Wei Wu, Tingting Wu, Tongtong Wu, Weibin Wu, Xian Wu, Xianchao Wu, Xiaobao Wu, Xin Wu, Xixin Wu, Yang Wu, Yangjun Wu, Yaoyao Wu, Yike Wu, Yimeng Wu, Yuanbin Wu, Yunfang Wu, Yuting Wu, Yuxia Wu, Zeqiu Wu, Zhen Wu, Zhijing Wu, Zhizheng Wu, Zhuofeng Wu, Zihao Wu, Zirui Wu

Jingbo Xia, Menglin Xia, Patrick Xia, Yu Xia, Anhao Xiang, Suncheng Xiang, Wei Xiang, Chaojun Xiao, Chenghao Xiao, Chunyang Xiao, Jinfeng Xiao, Jing Xiao, Min Xiao, Zhaomin Xiao, Zilin Xiao, Chenhao Xie, Jian Xie, Kaige Xie, Shangyu Xie, Tong Xie, Yaqi Xie, Yiqing Xie, Yubo Xie, Yuqing Xie, Zhiwen Xie, Zhongbin Xie, Zhouhang Xie, Zhuohan Xie, Xin Xin, Yingwei Xin, Bowen Xing, Chen Xing, Linzi Xing, Bo Xiong, Chao Xiong, Haoyu Xiong, Bokai Xu, Boyan Xu, Canwen Xu, Chen Xu, Chenchen Xu, Chunpu Xu, Dongfang Xu, Dongkuan Xu, Fan Xu, Fangyuan Xu, Guandong Xu, Guangyue Xu, Haiyang Xu, Hanzi Xu, Hongfei Xu, Hongyan Xu, Hongzhi Xu, Jialiang Xu, Jiannan Xu, Jiashu Xu, Jin Xu, Jinan Xu, Jitao Xu, Jun Xu, Kai Xu, Kang Xu, Keyang Xu, Kun Xu, Lei Xu, Liyan Xu, Lu Xu, Lvxiaowei Xu, Peng Xu, Qiongkai Xu, Shanshan Xu, Shicheng Xu, Wang Xu, Wanshi Xu, Weiwen Xu, Wenduan Xu, Wenjie Xu, Xianghong Xu, Xiao Xu, Xiaohao Xu, Xinnuo Xu, Yan Xu, Yi Xu, Yige Xu, Yiheng Xu, Zhen Xu, Zhenhui Xu, Zhiyang Xu, Zihang Xu, Fuzhao Xue, Huiyin Xue, Yun Xue

Mohit Yadav, Aditya Yadavalli, Ikuya Yamada, An Yan, Brian Yan, Chenwei Yan, Hanqi Yan, Jianhao Yan, Jun Yan, Ming Yan, Tianwei Yan, Weixiang Yan, Yang Yan, Zhaohui Yan, An Yang, Baosong Yang, Cheng Yang, Chengfu Yang, Chenyang Yang, Dejie Yang, Deqing Yang, Eugene Yang, Fan Yang, Guang Yang, Guanqun Yang, Guo Yang, Haiqin Yang, Hao Yang, Haoran Yang, Heng Yang, Jianing Yang, Jiaoyun Yang, Jun Cheng Yang, Jun Yang, Jun Yang, Kexin Yang, Liner Yang, Linyi Yang, Longfei Yang, Mingming Yang, Muqiao Yang, Muyun Yang, Nan Yang, Peng Yang, Ruichao Yang, Sen Yang, Sen Yang, Shiquan Yang, Shuai Yang, Songlin Yang, Tao Yang, Tianchi Yang, Tsung-Yen Yang, Wei Yang, Wenmian Yang, Xianjun Yang, Yahan Yang, Yilin Yang, Yizhe Yang, Yue Yang, Yujiu Yang, Zachary Yang, Zhao Yang, Zhichao Yang, Zi Yang, Zonglin Yang, Ken Yano, Barry Menglong Yao, Bingsheng Yao, Jianzhu Yao, Liang Yao, Peiran Yao, Shunyu Yao, Wenlin Yao, Yitong Yao, Zijun Yao, Bingyang Ye, Dezhi Ye, Fanghua Ye, Hai Ye, Jiasheng Ye, Jinhui Ye, Junjie Ye, Muchao Ye, Qinyuan Ye, Seonghyeon Ye, Wei Ye, Wenting Ye, Xi Ye, Akhila Yerukola, Yu Ting Yeung, Jingwei Yi, Li S. Yifei, Wen-wai Yim, Seid Muhie Yimam, Da Yin, Fan Yin, Ming Yin, Qingyu Yin, Wenbiao Yin, Wenjie Yin, Xuwang Yin, Yunting Yin, Yuwei Yin, Michael Miller Yoder, Hikaru Yokono, KiYoon Yoo, Eunseop Yoon, Hee Suk Yoon, Seunghyun Yoon, Sunjae Yoon, Susik Yoon, Issei Yoshida, Masaharu Yoshioka, Chenyu You, Haoxuan You, Weiqiu You, Yiling You, Steve Young, Paul Youssef, Bowen Yu, Changlong Yu, Cheng Yu, Dian Yu, Dong Yu, Erxin Yu, Guoxin Yu, Hang Yu, Heng Yu, Jifan Yu, Kai Yu, Le Yu, Lei Yu, Liang-Chih Yu, Mengxia Yu, Ping Yu, Shuai Yu, Simon Chi Lok Yu, Tiezheng Yu, Tong Yu, Wenhao Yu, Xiao Yu, Xiaodong Yu, Xinchen Yu, Xinyan Velocity Yu, Yue Yu, Zac Yu, Zhouliang Yu, Changsen Yuan, Chunyuan Yuan, Fangfang Yuan, Fei Yuan, Li Yuan, Lifan Yuan, Quan Yuan, Siyu Yuan, Xiaosong Yuan, Zhaoquan Yuan, Zheng Yuan, Linan Yue, Xiang Yue, Hyokun Yun

Polina Zablotskaia, Ofir Zafrir, Hamada M Zahera, Mahdi Zakizadeh, Olga Zamaraeva, Daoguang Zan, Yuan Zang, Fabio Massimo Zanzotto, Klim Zaporojets, Alessandra Zarcone, Rabih Zbib, Albin Zehe, Eric Zelikman, Yury Zemlyanskiy, Daojian Zeng, Fanhu Zeng, Guangtao Zeng, Jayden Zeng, Jiali Zeng, Qi Zeng, Qingkai Zeng, Weixin Zeng, Xianfeng Zeng, Xingshan Zeng, Yan Zeng, Yawen Zeng, Yutao Zeng, Ziqian Zeng, Deniz Zeyrek, Haolan Zhan, Hongli Zhan, Qiusi Zhan, Runzhe Zhan, Arthur Jun Zhang, Baohua Zhang, Beichen Zhang, Biao Zhang, Bowen Zhang, Bowen Zhang, Boyang Zhang, Chen Zhang, Chen Zhang, Chong Zhang, Chuheng Zhang, Dong Zhang, Dong Zhang, Dongyu Zhang, Duzhen Zhang, Fuzheng Zhang, Hainan Zhang, Hao Zhang, Hao Zhang, Hao Zhang, Haopeng Zhang, Haoran Ranran Zhang, Haotong Zhang, Hongming Zhang, Hongyu Zhang, Jianguo Zhang, Jingqing Zhang, Jipeng Zhang, Jiyang Zhang, Junwen Zhang, Kai Zhang, Kai Zhang, Kaiyan Zhang, Ke Zhang, Kechi Zhang, Kun Zhang, Le Zhang, Lei Zhang, Li Zhang, Licheng Zhang, Lingyu Zhang, Lining Zhang, Longhui Zhang, Meiru Zhang, Miaoran Zhang, Michael JQ Zhang, Mike Zhang, Muru Zhang, Nan Zhang, Qi Zhang, Qing Zhang, Ruochen Zhang, Ruohong Zhang, Shaokang Zhang, Shaolei Zhang, Shiyue Zhang, Shuai Zhang, Shujian Zhang, Shuo Zhang, Song Zhang, Songming Zhang, Tao Zhang, Tianhang Zhang, Tianlin Zhang, Tianshu Zhang, Tong Zhang, Tongtao Zhang, Wei Emma Zhang, Weixu Zhang, Wen Zhang, Wenqi Zhang, Wenqiang Zhang, Wenxuan Zhang, Wenzheng Zhang, Xiao Zhang, Xiaokun Zhang, Xiaoqiang Zhang, Xiaotong Zhang, Xin Zhang, Xin Zhang, Xinghua Zhang, Xinliang Frederick Zhang, Xinsong Zhang, Xulang Zhang, Xulong Zhang, Yan Zhang, Yan Zhang, Yangjun Zhang, Yanzhe Zhang, Yao Zhang, Yi Zhang, Yian Zhang, Yichi Zhang, Yiming Zhang, Yin Zhang, Yizhou Zhang, Yong Zhang, Yu Zhang, Yu Zhang, Yu Zhang, Yuan Zhang, Yuanzhe Zhang, Yue Zhang, Yuhan Zhang, Yuhao Zhang, Yuhui Zhang, Yuji Zhang, Yun Zhang, Yunxiang Zhang, Yunyi Zhang, Yuqi Zhang, Yusen Zhang, Yuxiang Zhang, Zequn Zhang, Zeyu Zhang, Zhe Zhang, Zhehao Zhang, Zhengyan Zhang, Zhexin Zhang, Zhihan Zhang, Zhirui Zhang, Zhisong Zhang, Zhuo Zhang, Zhuosheng Zhang, Bing Zhao, Chao Zhao, Chenye Zhao, Fei Zhao, Guangxiang Zhao, Hai Zhao, Jeffrey Zhao, Jiahao Zhao, Jianyu Zhao, Jinming Zhao, Junchen Zhao, Kai Zhao, Kaiqi Zhao, Mengjie Zhao, Qinghua Zhao, Sanqiang Zhao, Shu Zhao,

Shuai Zhao, Shuai Zhao, Tiancheng Zhao, Tianyu Zhao, Tony Z. Zhao, Wenting Zhao, Xiaoyan Zhao, Xinran Zhao, Xinyan Zhao, Xuandong Zhao, Yang Zhao, Yang Zhao, Yangyang Zhao, Yilun Zhao, Yu Zhao, Yu Zhao, Zhengyi Zhao, Zhixue Zhao, Boyuan Zheng, Ce Zheng, Changmeng Zheng, Junhao Zheng, Kai Zheng, Renjie Zheng, Rui Zheng, Shen Zheng, Siyan Zheng, Xianrui Zheng, Xiaoqing Zheng, Xinyi Zheng, Yaowei Zheng, Yinhe Zheng, Yujia Zheng, Zaixiang Zheng, Zi'ou Zheng, Zihao Zheng, Zilong Zheng, Ming Zhong, Ruiqi Zhong, Wei Zhong, Xian Zhong, Yang Zhong, Zexuan Zhong, Baohang Zhou, Ben Zhou, Bo Zhou, Dong Zhou, Guangyou Zhou, Han Zhou, Hanzhang Zhou, Houquan Zhou, Jiawei Zhou, Jiawei Zhou, Jie Zhou, Jinfeng Zhou, Jingbo Zhou, Jingyan Zhou, Junsheng Zhou, Kaitlyn Zhou, Kankan Zhou, Kun Zhou, Kyrie Zhixuan Zhou, Li Zhou, Long Zhou, Nina Zhou, Pei Zhou, Peilin Zhou, Qingyu Zhou, Shilin Zhou, Shuchang Zhou, Shuyan Zhou, Tong Zhou, Wangchunshu Zhou, Wenjie Zhou, Wenxuan Zhou, Xiabing Zhou, Xiang Zhou, Xin Zhou, Xixi Zhou, Yangqiaoyu Zhou, Yi Zhou, Yi Zhou, Yichao Zhou, Yichu Zhou, Yilun Zhou, Yu Zhou, Yucheng Zhou, Yufan Zhou, Yuhao Zhou, Yunhua Zhou, Yuxiang Zhou, Anjie Zhu, Bolin Zhu, Dawei Zhu, Fangqi Zhu, Hao Zhu, Linchao Zhu, Luyao Zhu, Peide Zhu, Qi Zhu, Rongxin Zhu, Rui-Jie Zhu, Su Zhu, Suyang Zhu, Tong Zhu, Wang Zhu, Wanzheng Zhu, Wei Zhu, Wenhao Zhu, Xi Zhu, Xiaofeng Zhu, Xuan Zhu, Xuekai Zhu, Yi Zhu, Yilun Zhu, Yongxin Zhu, Yutao Zhu, Zhihong Zhu, Zining Zhu, Honglei Zhuang, Yuan Zhuang, Yuchen Zhuang, Heike Zinsmeister, Ayah Zirikly, Yftah Ziser, Marco Zocca, Shi Zong, Bowei Zou, Hao Zou, Henry Peng Zou, Heqing Zou, Yicheng Zou, Amal Zouaq, Vilém Zouhar, Xinyu Zuo

Emily Öhman, Lilja Øvrelid, Tolúlopé Ògúnrèmí

Keynote Talk: Human-Centric Natural Language Processing

Jong C. Park
Korea Advanced Institute of Science and Technology

Friday, December 8 – Time: **09:30 - 10:30** – Room: **East & Center**

Abstract: In keeping up with the three pillars of natural language processing, ever-changing principles and techniques, emerging domains of application and related resources, and people with needs for language support, our research team has paid attention to the third pillar with a special focus on human-centric diversity and minority issues, including children, experts in biology and medicine, deaf people, and people with different challenges to language use. In this talk, I wish to share our achievements along the way, recently leading to a flurry of pleasant results that make use of deep learning techniques and large language models. I conclude the talk with a cautious prognosis about what might lie beyond large language models that loom over much of what we do at the moment and may hamper diversity to a worrisome degree and even humanity in hindsight.

Bio: Jong Park received his BE and MSE degrees from Seoul National University and PhD degree from the University of Pennsylvania, Philadelphia. He has been working as Assistant, Associate and Full Professor at Korea Advanced Institute of Science and Technology (KAIST) since 1998. He is one of the early researchers on BioNLP, applying NLP techniques to biology and medicine. His research team at KAIST has also been working broadly on identifying emotion from text, turning spoken language into visual animation and sign language, identifying mental health issues such as mild-cognitive impairment (MCI) and clinical depression from natural language utterances, detecting abusive language, and, more recently, credibility assessment and bidirectional sign language processing. His team has received Outstanding Paper Award at ACL 2023 for the work on the Tigrinya language. He is serving as founding Editor-in-Chief of Journal of Computing Science and Engineering (JCSE) since 2007, President of Asian Federation of Natural Language Processing (AFNLP) during 2022–2024, and General Chair of IJCNLP-AACL 2023.

Keynote Talk: From Speech to Emotion to Mood: Mental Health Modeling in Real-World Environments

Emily Mower Provost
University of Michigan

Saturday, December 9 – Time: **14:30 - 15:30** – Room: **East & Center**

Abstract: Emotions provide critical cues into our health and wellbeing. This is of particular importance in the context of mental health, where changes in emotion may signify changes in symptom severity. However, information about emotion and how it varies over time is often accessible only using survey methodology (e.g., ecological momentary assessment, EMA), which can become burdensome to participants over time. Automated speech emotion recognition systems could provide an alternative, providing quantitative measures of emotion using acoustic data captured passively from a consented individual's environment. However, speech emotion recognition systems often falter when presented with data collected from unconstrained natural environments due to issues with robustness, generalizability, and invalid assumptions. In this talk, I will discuss our journey in speech-centric mental health modeling, explaining whether, how, and when emotion recognition can be applied to natural unconstrained speech data to measure changes in mental health symptom severity.

Bio: Emily Mower Provost is a Professor in Computer Science and Engineering at the University of Michigan. She received her Ph.D. in Electrical Engineering from the University of Southern California (USC), Los Angeles, CA in 2010. She is a Toyota Faculty Scholar (2020) and has been awarded a National Science Foundation CAREER Award (2017), the Oscar Stern Award for Depression Research (2015), a National Science Foundation Graduate Research Fellowship (2004-2007). She is an Associate Editor for IEEE Transactions on Affective Computing and the IEEE Open Journal of Signal Processing. She has also served as Associate Editor for Computer Speech and Language and ACM Transactions on Multimedia. She has received best paper awards or finalist nominations for Interspeech 2008, ACM Multimedia 2014, ICMI 2016, and IEEE Transactions on Affective Computing. Among other organizational duties, she has been Program Chair for ACII (2017, 2021), ICMI (2016, 2018). Her research interests are in human-centered speech and video processing, multimodal interfaces design, and speech-based assistive technology. The goals of her research are motivated by the complexities of the perception and expression of human behavior.

Keynote Talk: Academic NLP research in the Age of LLMs: Nothing but blue skies!

Christopher D. Manning
Stanford University

Sunday, December 10 – Time: **14:00 - 15:00** – Room: **East & Center**

Abstract: There has been a certain amount of handwringing by students – and faculty –about the prospects for academic research in the Age of Large Language Models (LLMs). Now, there is a need for universities and governments to do more to support computational research. And it is indeed the case that any major inflection point in a research field does change the best questions to concentrate your time on. But a reorientation of research is healthy, coming off a decade when students in academia had often drifted into playing the Kaggle game rather than thinking hard about fundamental ideas. A time of transformation is principally a time of opportunity: All sorts of new and exciting research questions, either not explored or only explored in very different contexts, come to the fore. These questions provide compelling opportunities for fresh and exciting work. I see many examples of this sort of work already happening and encourage many more. I will illustrate with two pieces of work from my own students: the Backpack, which explores an alternative, more interpretable architecture than the Transformer (by John Hewitt and colleagues) and Direct Preference Optimization, which explores an alternative to the Proximal Policy Optimization normally used for steering LLMs in the Reinforcement Learning from Human Feedback (RLHF) phase (by Eric Mitchell and colleagues).

Bio: Christopher Manning is the inaugural Thomas M. Siebel Professor in Machine Learning in the Departments of Linguistics and Computer Science at Stanford University, Director of the Stanford Artificial Intelligence Laboratory (SAIL), and an Associate Director of the Stanford Institute for Human-Centered Artificial Intelligence (HAI). His research goal is computers that can intelligently process, understand, and generate human languages. Manning was an early leader in applying Deep Learning to Natural Language Processing (NLP), with well-known research on the GloVe model of word vectors, attention, machine translation, question answering, self-supervised model pre-training, tree-recursive neural networks, machine reasoning, dependency parsing, sentiment analysis, and summarization. He also focuses on computational linguistic approaches to parsing, natural language inference and multilingual language processing, including being a principal developer of Stanford Dependencies and Universal Dependencies. Manning has coauthored leading textbooks on statistical approaches to NLP (Manning and Schütze 1999) and information retrieval (Manning, Raghavan, and Schütze, 2008), as well as linguistic monographs on ergativity and complex predicates. His online CS224N Natural Language Processing with Deep Learning videos have been watched by hundreds of thousands of people. He is an ACM Fellow, a AAAI Fellow, and an ACL Fellow, and a Past President of the ACL (2015). His research has won ACL, Coling, EMNLP, and CHI Best Paper Awards, and an ACL Test of Time Award. He has a B.A. (Hons) from The Australian National University and a Ph.D. from Stanford in 1994, and an Honorary Doctorate from U. Amsterdam in 2023, and he held faculty positions at Carnegie Mellon University and the University of

Sydney before returning to Stanford. He is the founder of the Stanford NLP group (@stanfordnlp) and manages development of the Stanford CoreNLP and Stanza software.

Panel: Beyond Text: Inclusive Human Communication with Language Technology

Saturday, December 9 – Time: **16:00 - 17:00** – Room: **East & Center**

The scope of communication extends far beyond textual interactions. This panel converges experts from diverse fields, including sign language, multilingual conference interpretation, empathetic speech-based dialog systems, virtual reality, and embodied agents, who will discuss how advancements in language technology can help shape the future of inclusive communication, and at the same time what NLP can learn from various fields of communication.

Panelists:

Ms. Lourdes de Rioja, Freelance Conference Interpreter, Belgium
Lourdes de Rioja is a Spanish conference interpreter who has worked for the European Commission, the European Parliament, and the European Court of Justice. She is the author and producer of SCICtrain for the European Commission, editor and designer of False Friends online Dictionary, and co-creator of AIIC Conversations. Ms de Rioja has a Master's degree in Political & Corporate Communication from The George Washington University & Universidad de Navarra, Spain, and a European Master's degree in Conference Interpreting from Universidad de La Laguna, Spain. She is a member of the International Association of Conference Interpreters (AIIC) and has interpreted in various languages, including English, French, Danish, Swedish, and Catalan.

Dr. Abraham Glasser, Gallaudet University, USA
Dr. Abraham Glasser is an Assistant Professor in Science, Technology, Accessibility, Mathematics, and Public Health. He earned his undergraduate degree and his Ph.D. in Computing and Information Sciences from the Rochester Institute of Technology. Glasser has conducted research work for various organizations. His research interests include virtual and augmented reality, accessible technology for deaf and hard of hearing individuals – with a focus on automatic speech recognition, and he is passionate about making technology inclusive for people with disabilities. Dr. Glasser is also the reigning United States Deaf Chess Champion.

Prof Chengkuo Lee, National University, Singapore
Prof Chengkuo Lee is an Associate Professor at the Dept. of Electrical and Computer Eng. of National University of Singapore, Singapore with a research background in Systems and Precision Engineering. He received his M.S. degree in Materials Science and Engineering from National Tsing Hua University, Hsinchu, Taiwan, in 1991, and his Ph.D. degree in Precision Engineering from the University of Tokyo, Tokyo, Japan, in Jan. 1996. He has proposed augmented tactile-perception and haptic-feedback rings with multimodal sensing and feedback capabilities for Human-Machine interfaces for immersive interactions. He has also proposed a sign language recognition and communication system using a smart triboelectric glove, AI block, and the back-end VR interface. Prof. Lee has contributed more than 250 papers in peer-reviewed international journals and conferences, and 9 US patents in MEMS, NEMS, Nanophotonics and Nanotechnology fields.

Prof María Inés Torres, UPV/EHU, Spain
María Inés Torres is a Professor of Computer Science at the University of the Basque Country. She founded the Pattern Recognition and Speech Technology research group in 1990, which she has been leading

since then. She has conducted research related to speech technologies, including automatic speech recognition and understanding, language identification, machine translation, specific processing of Basque language, and acquisition and generation of language resources. She has published numerous papers in journals and international conferences and edited three books. Her current research interests focus on statistical approaches to deal with spoken dialog systems, being also interested in learning from human interaction to generate artificial interaction.

Prof Monojit Choudhury, MBZUAI, Abu Dhabi
Monojit Choudhury is a professor of NLP at MBZUAI, Abu Dhabi. He has a PhD and BTech in computer science and engineering from IIT Kharagpur. Prof Choudhury's research interests span various aspects of natural language processing and cognitive sciences, including multilingual models, computational ethics, and AI and NLP for social good. Prior to joining MBZUAI, he was a principal researcher at Microsoft. He also serves as a professor of practice at Plaksha University and an adjunct faculty at IIIT Hyderabad. Prof Choudhury is the general chair of the Panini Linguistics Olympiad, which is the Indian national linguistics Olympiad for high school students and the founding co-chair of the Asia Pacific Linguistics Olympiad.

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