

SocialNLP 2020

**The Eighth International Workshop on
Natural Language Processing for Social Media**

Proceedings of the Conference

July 10, 2020

Online

©2020 The 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

ISBN 978-1-952148-22-4

SocialNLP 2020@ACL Chairs' Welcome

It is our great pleasure to welcome you to the Eighth Workshop on Natural Language Processing for Social Media-SocialNLP 2018, associated with ACL 2020. SocialNLP is an inter-disciplinary area of natural language processing (NLP) and social computing. We hold SocialNLP twice a year: one in the NLP venue, the other in the associated venue such as those for web technology or artificial intelligence. This year the other version has been successfully held in conjunction with TheWebConf 2020 (formerly WWW), and we are very happily looking forward the NLP version in ACL 2020. The submissions to this year's workshop were still of high quality with the accepted threshold 3.67 (maximum 5), which again leads to a competitive selection process. We received submissions from Asia, Europe, and the United States. After a rigorous review process, we only accepted 8 oral papers and thus the acceptance rate was 40 percent. These exciting papers include novel and practical topics for researchers working on NLP for social media, such as bias mitigation, domain transfer, and dataset constructed for the newly emerged research problems. We believe they will benefit our research community.

Besides the main workshop, we are having this year a new EmotionX challenge, EmotionGIF. At the time we compose this proceedings, we already have 13 international teams registered and the challenge is still ongoing. We have a special session for this challenge to exchange related ideas and experience in the workshop. We hope this challenge series can bring participants from the research problem to the real solution.

This year, we are excited to have Prof. Pascale Fung from Hong Kong University of Science and Technology as our keynote speaker. We encourage attendees to (virtually) attend this keynote speech to have more discussions with outstanding researchers. Prof. Fung not only will talk about their research of misinformation, but will share their winning system in Kaggle. We believe her talk will bring our audience, both for the main workshop and for the challenge, useful insights.

Putting together SocialNLP 2020 was a team effort. We first thank the authors for providing the quality content of the program. We are grateful to the program committee members, who worked very hard in reviewing papers and providing feedback to authors. For a lot of tedious work coming from the challenge, we thank the challenge co-chairs Mr. Boaz Shmueli and Dr. Ming Sun for their great effort. Finally, we especially thank the Workshop Committee Chairs Prof. Milica Gašić, Dr. Dilek Hakkani-Tur, Dr. Saif M. Mohammad, and Dr. Ves Stoyanov for helping us on all the complicated logistics for this year's online version.

We hope you enjoy the workshop!

Organizers

Lun-Wei Ku, Academia Sincia, Taiwan

Cheng-Te Li, National Cheng Kung University, Taiwan

Organizers:

Lun-Wei Ku, Academia Sinica
Chenge-Te Li, National Cheng Kung University

Organizers of EmotionGIF Challenge:

Lun-Wei Ku, Academia Sinica
Boaz Shmueli, Academia Sinica
Ming Sun, Facebook

Program Committee:

Sabine Bergler, Concordia University
Kalina Bontcheva, University of Sheffield
Yung-Chun Chang, Taipei Medical University
Berlin Chen, National Taiwan Normal University
Hsin-Hsi Chen, National Taiwan University
Hai Leong Chieu, DSO National Laboratories
Jinho Choi, Emory University
Nigel Collier, University of Cambridge
Ann Devitt, Trinity College Dublin
MeiXing Dong, University of Michigan
Koji Eguchi, Kobe University
Graeme Hirst, University of Toronto
Hen-Hsen Huang, National Taiwan University
David Jurgens, University of Michigan
Pallika Kanani, Oracle Labs
Roman Klinger, University of Stuttgart
June-Jei Kuo, National Chung Hsing University
Tsong-Ting Kuo, University of California, San Diego
Els Lefever, Ghent University
Chuan-Jie Lin, National Taiwan Ocean University
Zhunchen Luo, China Defense Science and Technology Information Center
Bruno Martins, University of Lisbon
Manuel Montes-y-Gómez, INAOE
Scott Nowson, PwC Middle East
Haris Papageorgiou, Athena Research and Innovation Center
Michael Paul, University of Colorado Boulder
Georgios Petasis, NCSR Demokritos
Paolo Rosso, Universitat Politècnica de València
Saurav Sahay, Intel Labs
Yohei Seki, University of Tsukuba
Mário J. Silva, Universidade de Lisboa
Thamar Solorio, University of Houston
Paola Velardi, Sapienza University of Rome
Xiaojun Wan, Peking University

Hsin-Min Wang, Academia Sinica
Jenq-Haur Wang, National Taipei University of Technology
Ingmar Weber, Qatar Computing Research Institute, HBKU
Steven Wilson, University of Edinburgh
Shih-Hung Wu, Chaoyang University of Technology
Liang-Chih Yu, Yuan Ze University
Zhe Zhang, IBM Watson

Keynote Speaker:

Pascale Fung, Hong Kong University of Science and Technology

Table of Contents

<i>Enhancing Bias Detection in Political News Using Pragmatic Presupposition</i> Lalitha Kameswari, Dama Sravani and Radhika Mamidi	1
<i>Demoting Racial Bias in Hate Speech Detection</i> Mengzhou Xia, Anjalie Field and Yulia Tsvetkov	7
<i>NARMADA: Need and Available Resource Managing Assistant for Disasters and Adversities</i> Kaustubh Hiware, Ritam Dutt, Sayan Sinha, Sohan Patro, Kripa Ghosh and Saptarshi Ghosh ...	15
<i>BEEP! Korean Corpus of Online News Comments for Toxic Speech Detection</i> Jihyung Moon, Won Ik Cho and Junbum Lee	25
<i>Stance Prediction for Contemporary Issues: Data and Experiments</i> Marjan Hosseinia, Eduard Dragut and Arjun Mukherjee	32
<i>Challenges in Emotion Style Transfer: An Exploration with a Lexical Substitution Pipeline</i> David Helbig, Enrica Troiano and Roman Klinger	41
<i>Incorporating Uncertain Segmentation Information into Chinese NER for Social Media Text</i> Shengbin Jia, Ling Ding, Xiaojun Chen, Shijia E and Yang Xiang	51
<i>Multi-Task Supervised Pretraining for Neural Domain Adaptation</i> Sara Meftah, Nasredine Semmar, Mohamed-Ayoub Tahiri, Youssef Tamaazousti, Hassane Essafi and Fatiha Sadat	61

Conference Program

July 10, 2020

9:05–9:10 Opening

9:10–10:10 *Keynote: Managing Information and Debunking Misinformation in the Time of Covid-19*
Pascale Fung, Hong Kong University of Science and Technology

10:30–10:50 Coffee Break

10:50–11:30 Technical Session 1

10:50–11:10 *Enhancing Bias Detection in Political News Using Pragmatic Presupposition*
Lalitha Kameswari, Dama Sravani and Radhika Mamidi

11:10–11:30 *Demoting Racial Bias in Hate Speech Detection*
Mengzhou Xia, Anjalie Field and Yulia Tsvetkov

11:30–12:30 Data Session

11:30–11:50 *NARMADA: Need and Available Resource Managing Assistant for Disasters and Adversities*
Kaustubh Hiware, Ritam Dutt, Sayan Sinha, Sohan Patro, Kripa Ghosh and Saptarshi Ghosh

11:50–12:10 *BEEP! Korean Corpus of Online News Comments for Toxic Speech Detection*
Jihyung Moon, Won Ik Cho and Junbum Lee

12:10–12:30 *Stance Prediction for Contemporary Issues: Data and Experiments*
Marjan Hosseinia, Eduard Dragut and Arjun Mukherjee

July 10, 2020 (continued)

12:30–14:00 Lunch

14:00–15:00 EmotionGIF Challenge

15:00–15:30 Coffee Break

15:30–15:50 *Challenges in Emotion Style Transfer: An Exploration with a Lexical Substitution Pipeline*

David Helbig, Enrica Troiano and Roman Klinger

15:50–16:10 *Incorporating Uncertain Segmentation Information into Chinese NER for Social Media Text*

Shengbin Jia, Ling Ding, Xiaojun Chen, Shijia E and Yang Xiang

16:10–16:30 *Multi-Task Supervised Pretraining for Neural Domain Adaptation*

Sara Meftah, Nasredine Semmar, Mohamed-Ayoub Tahiri, Youssef Tamaazousti, Hassane Essafi and Fatiha Sadat

16:30–16:35 Closing Remark