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Presentation Program

The papers selected for presentation at the workshop are listed below, in thematic groups. The type of paper included in the Proceedings is indicated by (Long), (Short), or (Abs) for Abstracts.

Pre-recorded videos of some of the papers listed below are available linked from the workshop website².

Literature Analysis and Retrieval

- [1] (Long) *CORD-19: The COVID-19 Open Research Dataset.* 1
Lucy Lu Wang, Kyle Lo, Yoganand Chandrasekhar, Russell Reas, Jiangjiang Yang, Doug Burdick, Darrin Eidedarrine, Kathryn Funk, Yannis Katsis, Rodney Kinney, Yunyao Li, Ziyang Liu, William Merrill, Paul Mooney, Dewey Murdick, Devvret Rishi, Jerry Sheehan, Zhihong Shenzhihosh, Brandon Stilson, Alex Wade, Kuansan Wang, Nancy Xin Ru Wang, Chris Wilhelm, Boya Xie, Douglas Raymond, Daniel S Weld, Oren Etzioni, Sebastian Kohlmeier.
- [2] (Abs) *Rapidly Deploying a Neural Search Engine for the COVID-19 Open Research Dataset: Preliminary Thoughts and Lessons Learned.* 13
Edwin Zhang, Nikhil Gupta, Rodrigo Nogueira, Kyunghyun Cho, Jimmy Lin.
- [3] (Abs) *Document Classification for COVID-19 Literature.* 14
Bernal Jiménez Gutiérrez, Juncheng Zeng, Dongdong Zhang, Ping Zhang, Yu Su.
- [4] (Long) *Enabling Low-Resource Transfer Learning across COVID-19 Corpora by Combining Event-Extraction and Co-Training.* 17
Alexander Spangher, Nanyun Peng, Jonathan May, Emilio Ferrara.
- [5] (Abs) *Self-supervised context-aware COVID-19 document exploration through atlas grounding.* 26
Dusan Grujicic, Gorjan Radevski, Tinne Tuytelaars, Matthew B. Blaschko.
- [6] (Long) *CODA-19: Reliably Annotating Research Aspects on 10,000+ CORD-19 Abs Using a Non-Expert Crowd.* 27
Ting-Hao (Kenneth) Huang, Chieh-Yang Huang, Chien-Kuang Cornelia Ding, Yen-Chia Hsu, C. Lee Giles.
- [7] (Abs) *Information Retrieval and Extraction on COVID-19 Clinical Articles Using Graph Community Detection and Bio-BERT Embeddings.* 39
Debasmita Das, Yatin Katyal, Janu Verma, Rajesh Kumar Ranjan, Shashank Dubey, Aakash Deep Singh, Sourojit Bhaduri, Kushagra Agarwal.

COVID Question Answering

- [8] (Short) *What Are People Asking About COVID-19? A Question Classification Dataset.* 40
Jerry Wei, Chengyu Huang, Soroush Vosoughi, Jason Wei.
- [9] (Abs) *Jennifer for COVID-19: An NLP-Powered Chatbot Built for the People and by the People to Combat Misinformation.* 48
Yunyao Li, Tyrone Grandison, Patricia Silveyra, Ali Douraghy, Xinyu Guan, Thomas Kieselbach, Chengkai Li, Haiqi Zhang.

²<https://www.nlpcovid19workshop.org/acl2020/schedule>

Clinical and Mental Health

- [10] (Short) *A Natural Language Processing System for National COVID-19 Surveillance in the US Department of Veterans Affairs.* 49
Alec B Chapman, Kelly S Peterson, Augie Turano, Tamara L Box, Katherine S Wallace, Makoto Jones.
- [11] (Long) *Measuring Emotions in the COVID-19 Real World Worry Dataset.* 56
Bennett Kleinberg, Isabelle van der Vegt, Maximilian Mozes.
- [12] (Short) *Estimating the effect of COVID-19 on mental health: Linguistic indicators of depression during a global pandemic.* 64
JT Wolohan.

Social Media

- [13] (Short) *Exploration of Gender Differences in COVID-19 Discourse on Reddit.* 71
Jai Aggarwal, Ella Rabinovich, Suzanne Stevenson.
- [14] (Long) *Cross-language sentiment analysis of European Twitter messages during the COVID-19 pandemic.* 78
Anna Kruspe, Matthias Haeberle, Xiao Xiang Zhu.
- [15] (Short) *Cross-lingual Transfer Learning for COVID-19 Outbreak Alignment.* 88
Sharon Levy, William Yang Wang.
- [16] (Long) *COVID-19 and Arabic Twitter: How can Arab World Governments and Public Health Organizations Learn from Social Media?* 93
Lama Alsudias, Paul Rayson.
- [17] (Short) *NLP-based Feature Extraction for the Detection of COVID-19 Misinformation Videos on YouTube.* 102
Juan Carlos Medina Serrano, Orestis Papakyriakopoulos, Simon Hegelich.