

Fourth NLP4 for Internet Freedom: Censorship, Disinformation, and Propaganda (NLP4IF 2021)

Online
6 June 2021

ISBN: 978-1-7138-3025-2

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by the Association for Computational Linguistics
All rights reserved.
Copyright of each paper stays with the respective authors (or their employers.)

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>Identifying Automatically Generated Headlines using Transformers</i> Antonis Maronikolakis, Hinrich Schütze and Mark Stevenson	1
<i>Improving Hate Speech Type and Target Detection with Hateful Metaphor Features</i> Jens Lemmens, Iliia Markov and Walter Daelemans	7
<i>Improving Cross-Domain Hate Speech Detection by Reducing the False Positive Rate</i> Iliia Markov and Walter Daelemans	17
<i>Understanding the Impact of Evidence-Aware Sentence Selection for Fact Checking</i> Giannis Bekoulis, Christina Papagiannopoulou and Nikos Deligiannis	23
<i>Leveraging Community and Author Context to Explain the Performance and Bias of Text-Based Deception Detection Models</i> Galen Weld, Ellyn Ayton, Tim Althoff and Maria Glenski	29
<i>Never guess what I heard... Rumor Detection in Finnish News: a Dataset and a Baseline</i> Mika Hämäläinen, Khalid Alnajjar, Niko Partanen and Jack Rueter	39
<i>Extractive and Abstractive Explanations for Fact-Checking and Evaluation of News</i> Ashkan Kazemi, Zehua Li, Verónica Pérez-Rosas and Rada Mihalcea	45
<i>Generalisability of Topic Models in Cross-corpora Abusive Language Detection</i> Tulika Bose, Irina Illina and Dominique Fohr	51
<i>AraStance: A Multi-Country and Multi-Domain Dataset of Arabic Stance Detection for Fact Checking</i> Tariq Alhindi, Amal Alabdulkarim, Ali Alshehri, Muhammad Abdul-Mageed and Preslav Nakov	57
<i>MEAN: Multi-head Entity Aware Attention Network for Political Perspective Detection in News Media</i> Chang Li and Dan Goldwasser	66
<i>An Empirical Assessment of the Qualitative Aspects of Misinformation in Health News</i> Chaoyuan Zuo, Qi Zhang and Ritwik Banerjee	76
<i>Findings of the NLP4IF-2021 Shared Tasks on Fighting the COVID-19 Infodemic and Censorship Detection</i> Shaden Shaar, Firoj Alam, Giovanni Da San Martino, Alex Nikolov, Wajdi Zaghouani, Preslav Nakov and Anna Feldman	82
<i>DamascusTeam at NLP4IF2021: Fighting the Arabic COVID-19 Infodemic on Twitter Using AraBERT</i> Ahmad Hussein, Nada Ghneim and Ammar Joukhadar	93
<i>NARNIA at NLP4IF-2021: Identification of Misinformation in COVID-19 Tweets Using BERTweet</i> Ankit Kumar, Naman Jhunjhunwala, Raksha Agarwal and Niladri Chatterjee	99
<i>R00 at NLP4IF-2021 Fighting COVID-19 Infodemic with Transformers and More Transformers</i> Ahmed Al-Qarqaz, Dia Abujaber and Malak Abdullah Abdullah	104
<i>Multi Output Learning using Task Wise Attention for Predicting Binary Properties of Tweets : Shared-Task-On-Fighting the COVID-19 Infodemic</i> Ayush Suhane and Shreyas Kowshik	110

<i>iCompass at NLP4IF-2021–Fighting the COVID-19 Infodemic</i>	
Wassim Henia, Oumayma Rjab, Hatem Haddad and Chayma Fourati	115
<i>Fighting the COVID-19 Infodemic with a Holistic BERT Ensemble</i>	
Georgios Tziafas, Konstantinos Kogkalidis and Tommaso Caselli	119
<i>Detecting Multilingual COVID-19 Misinformation on Social Media via Contextualized Embeddings</i>	
Subhadarshi Panda and Sarah Ita Levitan	125
<i>Transformers to Fight the COVID-19 Infodemic</i>	
Lasitha Uyangodage, Tharindu Ranasinghe and Hansi Hettiarachchi	130
<i>Classification of Censored Tweets in Chinese Language using XLNet</i>	
Shaikh Sahil Ahmed and Anand Kumar M.	136