

FEVER 2022

The Fifth Fact Extraction and VERification Workshop

Proceedings of the Workshop

May 26, 2022

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acl@aclweb.org

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Introduction

With billions of individual pages on the web providing information on almost every conceivable topic, we should have the ability to collect facts that answer almost every conceivable question. However, only a small fraction of this information is contained in structured sources such as Wikidata; we are therefore limited by our ability to transform free-form text to structured knowledge. There is, however, another problem that has become the focus of a lot of recent research and media coverage: false information coming from unreliable sources.

To ensure accuracy, any content must be verified. However, the volume of information precludes human moderators from doing so. Hence, it is paramount to research automated means to verify accuracy and consistency of information published online and the downstream systems (such as Question Answering, Search and Digital Personal Assistants) which rely on it.

The fifth edition of the FEVER workshop collocated with ACL 2022 aims to continue promoting ongoing research in above area, following on from the first four collocated with EMNLP 2018, EMNLP 2019, ACL 2020, and EMNLP 2021 and three shared tasks in 2018, 2019, and 2021. This year's workshop consists of 3 oral and 7 poster presentations of accepted papers (66% overall acceptance rate), as well as presentations from 5 invited speakers. The workshop is held in hybrid mode with in-person and virtual poster sessions, live-streamed oral presentations and invited talks.

The organisers would like to thank the authors of all submitted papers, the reviewers, and the invited speakers for their efforts, and we are looking forward to next year's edition.

Best wishes,
The FEVER organisers

Organizing Committee

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Invited Speakers

Kiran Garimella, Rutgers University
Alon Halevy, Meta
Kalina Bontcheva, Sheffield University
Alice Oh, KAIST
Tanu Mitra, University of Washington

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Program

Thursday, May 26, 2022

09:00 - 09:45 *Keynote Talk: Alon Halevy*

09:45 - 10:30 *Keynote Talk: Alice Oh*

10:30 - 11:00 *Coffee break*

11:00 - 11:45 *Keynote Talk: Carolina Scarton*

11:45 - 12:30 *Contributed Talks*

Neural Machine Translation for Fact-checking Temporal Claims
Marco Mori, Paolo Papotti, Luigi Bellomarini and Oliver Giudice

Automatic Fake News Detection: Are current models “fact-checking” or “gut-checking”?
Ian Kelk, Benjamin Basseri, Wee Yi Lee, Richard Qiu and Chris Tanner

Retrieval Data Augmentation Informed by Downstream Question Answering Performance
James Ferguson, Hannaneh Hajishirzi, Pradeep Dasigi and Tushar Khot

12:30 - 14:00 *Lunch Break*

14:00 - 14:30 *In-person poster session*

XInfoTabS: Evaluating Multilingual Tabular Natural Language Inference
Bhavnick Singh Minhas, Anant Shankhdhar, Vivek Gupta, Divyanshu Aggarwal and Shuo Zhang

PHEMEPlus: Enriching Social Media Rumour Verification with External Evidence
John Dougrez-Lewis, Elena Kochkina, Miguel Arana-Catania, Maria Liakata and Yulan He

A Semantics-Aware Approach to Automated Claim Verification
Blanca Calvo Figueras, Montse Cuadros Oller and Rodrigo Aggeri

Non-archival: Graph and Attention Based Fact Verification and Heterogeneous COVID-19 Claims Dataset
Miguel Arana-Catania, Elena Kochkina, Arkaitz Zubiaga, Maria Liakata, Robert Procter and Yulan He

Thursday, May 26, 2022 (continued)

14:30 - 15:00 *Online poster session*

Heterogeneous-Graph Reasoning and Fine-Grained Aggregation for Fact Checking

Hongbin Lin and Xianghua Fu

Distilling Salient Reviews with Zero Labels

Chieh-Yang Huang, Jinfeng Li, Nikita Bhutani, Alexander Whedon, Estevam Hruschka and Yoshi Suhara

Non-archival: Synthetic Disinformation Attacks on Automated Fact Verification Systems

Yibing Du, Antoine Bosselut and Christopher D Manning

15:00 - 15:30 *Coffee break*

15:30 - 16:15 *Keynote Talk: Kiran Garimella*

16:15 - 17:00 *Keynote Talk: Tanu Mitra*