FEVER 2023

The Sixth Fact Extraction and VERification Workshop

Proceedings of the Workshop

May 5, 2023
The FEVER organizers gratefully acknowledge the support from the following sponsors.

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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 sixth edition of the FEVER workshop collocated with EACL 2023 aims to continue promoting ongoing research in above area, following on from the first five collocated with EMNLP 2018, EMNLP 2019, ACL 2020, EMNLP 2021, and ACL 2022 and three shared tasks in 2018, 2019, and 2021. This year’s workshop consists of 3 oral and 5 poster presentations of accepted papers (54% overall acceptance rate), 12 poster presentations from EACL Findings papers, presentations from 4 invited speakers, as well as a panel discussion with 6 panellists. The workshop is held in hybrid mode with in-person and virtual poster sessions, live-streamed panel discussion, oral presentations, and invited talks.

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

Best wishes,
The FEVER organisers
Organizing Committee

Workshop Organiser

- Mubashara Akhtar, King’s College London
- Rami Aly, University of Cambridge
- Christos Christodoulopoulos, Amazon
- Oana Cocarascu, King’s College London
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Francielle Vargas, Universidade de São Paulo
Amelie Wuehrl, University of Stuttgart
Zhangdie Yuan, University of Cambridge

Invited Speakers

Iryna Gurevych, TU Darmstadt
Dirk Hovy, Bocconi University
Tom Stafford, University of Sheffield
Lucy Lu Wang, University of Washington

Panellists

Isabelle Augenstein, University of Copenhagen
Mohit Bansal, UNC Chapel Hill
Christopher Guess, Duke University
Preslav Nakov, MBZUAI
Tom Stafford, University of Sheffield
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Program

Friday, May 5, 2023

09:00 - 09:45  Keynote Talk: Iryna Gurevych

09:45 - 10:30  Contributed Talks

Hierarchical Representations in Dense Passage Retrieval for Question-Answering
Philipp Ennen, Federica Freddi, Chyi-Jiunn Lin, Po-Nien Kung, RenChu Wang, Chien-Yi Yang, Da-shan Shiu and Alberto Bernacchia

Enhancing Information Retrieval in Fact Extraction and Verification
Daniel Guzman Olivares, Lara Quijano and Federico Liberatore

BEVERS: A General, Simple, and Performant Framework for Automatic Fact Verification
Mitchell DeHaven and Stephen Scott

10:30 - 11:15  Coffee break

11:15 - 12:00  Keynote Talk: Lucy Lu Wang

12:00 - 12:45  Poster session

Rethinking the Event Coding Pipeline with Prompt Entailment
Clément Lefebvre and Niklas Stoehr

An Entity-based Claim Extraction Pipeline for Real-world Biomedical Fact-checking
Amelie Wuehrl, Lara Grimminger and Roman Klinger

World Knowledge in Multiple Choice Reading Comprehension
Adian Liusie, Vatsal Raina and Mark Gales

An Effective Approach for Informational and Lexical Bias Detection
Iffat Maab, Edison Marrese-Taylor and Yutaka Matsuo

Non-archival: Prompting for explanations improves Adversarial NLI. Is this true?
{Yes} it is {true} because {it weakens superficial cues}
Pride Kavumba, Ana Brassard, Benjamin Heinzerling, and Kentaro Inui
EACL Findings: *Implicit Temporal Reasoning for Evidence-Based Fact-Checking*
Liesbeth Allein, Marlon Saelens, Ruben Cartuyvels and Marie-Francine Moens

EACL Findings: *Topic Ontologies for Arguments*
Yamen Ajjour, Johannes Kiesel, Benno Stein and Martin Potthast

EACL Findings: *Entity-Aware Dual Co-Attention Network for Fake News Detection*
Sin-Han Yang, Chung-Chi Chen, Hen-Hsen Huang and Hsin-Hsi Chen

EACL Findings: *Relation Extraction with Weighted Contrastive Pre-training on Distant Supervision*
Zhen Wan, Fei Cheng, Qianying Liu, Zhuoyuan Mao, Haiyue Song and Sadao Kurohashi

EACL Findings: *Crawling The Internal Knowledge-Base of Language Models*
Roi Cohen, Mor Geva, Jonathan Berant and Amir Globerson

EACL Findings: *Selective-LAMA: Selective Prediction for Confidence-Aware Evaluation of Language Models*
Hiyori Yoshikawa and Naoaki Okazaki

Sedigheh Sarah Eslami, Christoph Meinel and Gerard de Melo

EACL Findings: *Open Information Extraction with Entity Focused Constraints*
Prajna Upadhyay, Oana Balalau and Ioana Manolescu

EACL Findings: *Detecting Contextomized Quotes in News Headlines by Contrastive Learning*
Seonyeong Song, Hyeonho Song, Kunwoo Park, Jiyoung Han and Meeyoung Cha

EACL Findings: *Active PETs: Active Data Annotation Prioritisation for Few-Shot Claim Verification with Pattern Exploiting Training*
Xia Zeng and Arkaitz Zubiaga

EACL Findings: *Reading and Reasoning over Chart Images for Evidence-based Automated Fact-Checking*
Mubashara Akhtar, Oana Cocarascu and Elena Simperl
Friday, May 5, 2023 (continued)

EACL Findings: *Double Retrieval and Ranking for Accurate Question Answering*
Zeyu Zhang, Thuy Vu and Alessandro Moschitti

12:45 - 14:15  
*Lunch Break*

14:15 - 15:00  
*Keynote Talk: Dirk Hovy*

15:00 - 15:45  
*Keynote Talk: Tom Stafford*

15:45 - 16:30  
*Coffee break*

16:30 - 18:00  
*Panel Discussion: 6 years of FEVER workshops - how far have we come? With Isabelle Augenstein, Mohit Bansal, Christopher Guess, Preslav Nakov, and Tom Stafford.*