

EMNLP 2021



**Fact Extraction and VERification**

**Proceedings of the Fourth Workshop**

November 10, 2021

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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 (Wikidata, Freebase, etc.) – 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, this content must be verified. However, the volume of information precludes human moderators from doing so. 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 FEVER series of workshops has been a venue for ongoing research in this area.



**Organizers:**

Ramy Aly (University of Cambridge)  
Christos Christodoulopoulos (Amazon)  
Oana Cocarascu (King's College London)  
Zhijiang Guo (University of Cambridge)  
Arpit Mittal (Facebook)  
Michael Schlichtkrull (University of Cambridge)  
James Thorne (University of Cambridge)  
Andreas Vlachos (University of Cambridge)

**Invited Speakers:**

Mohit Bansal (UNC Chapel Hill)  
Mirella Lapata (University of Edinburgh)  
Maria Liakata (Queen Mary University London)  
Pasquale Minervini (University College London)  
Preslav Nakov (Qatar Computing Research Institute)  
Steven Novella (Yale University School of Medicine)  
Brendan Nyhan (Dartmouth College)

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# Conference Program

## 10th November

**09:00–09:05**   **Opening**

**09:05–10:20**   **Keynote Talks**

09:05–09:35   *Keynote Talk*  
Preslav Nakov

09:35–10:05   *Keynote Talk*  
Maria Liakata

10:05–10:20   *Q & A*

**10:20–11:00**   **Research Talks**

10:20–10:35   *Evidence Selection as a Token-Level Prediction Task*  
Dominik Stammbach

10:35–10:50   *Graph Reasoning with Context-Aware Linearization for Interpretable Fact Extraction and Verification*  
Neema Kotonya, Thomas Spooner, Daniele Magazzeni and Francesca Toni

10:50–11:00   *Q & A*

**11:00–11:15**   ***Break***

## 10th November (continued)

### 11:15–12:30 Keynote Talks

11:15–11:45 *Keynote Talk*  
Mirella Lapata

11:45–12:15 *Keynote Talk*  
Pasquale Minervini

12:15–12:30 *Q & A*

### 12:30–13:30 Lunch

### 13:30–14:45 Keynote and Shared Task

13:30–14:00 *Keynote Talk*  
Mohit Bansal

14:00–14:10 *The Fact Extraction and VERification Over Unstructured and Structured information (FEVEROUS) Shared Task*  
Rami Aly, Zhijiang Guo, Michael Sejr Schlichtkrull, James Thorne, Andreas Vlachos, Christos Christodoulopoulos, Oana Cocarascu and Arpit Mittal

14:10–14:20 *FaBULOUS: Fact-checking Based on Understanding of Language Over Unstructured and Structured information*  
Mostafa BOUZIANE, Hugo Perrin, Amine Sadeq, Thanh Nguyen, Aurélien Cluzeau and Julien Mardas

14:20–14:30 *Team Papelo at FEVEROUS: Multi-hop Evidence Pursuit*  
Christopher Malon

14:30–14:45 *Q & A*

10th November (continued)

14:45–16:15 Virtual Poster Session

*Modeling Entity Knowledge for Fact Verification*

Yang Liu, Chenguang Zhu and Michael Zeng

*Verdict Inference with Claim and Retrieved Elements Using RoBERTa*

In-Zu Gi, Ting-Yu Fang and Richard Tzong-Han Tsai

*Stance Detection in German News Articles*

Laura Mascarell, Tatyana Ruzsics, Christian Schneebeil, Philippe Schlattner, Luca Campanella, Severin Klingler and Cristina Kadar

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**10th November (continued)**

**16:15–17:30 Keynote Talks**

16:15–16:45 *Keynote Talk*  
Steven Novella

16:45–17:15 *Keynote Talk*  
Brendan Nyhan

17:15–17:30 *Q & A*

**17:30–17:45 Closing Remarks**