

EventStory 2017

Events and Stories in the News

Proceedings of the Workshop

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Events, one of the most basic ontological constructs of human perception, pose fascinating challenges for natural language processing (NLP). A small but growing number of researchers are investigating various facets of that problem.

This volume contains the proceedings of the First Workshop on Events and Stories in the News. This workshop is the result of the combination of the EVENTS workshops (held four times in conjunction with NAACL 2013—2016) and the Computing News Storylines workshops (held twice, in conjunction with ACL 2015 and EMNLP 2016). As researchers continue investigating event detection, event identity and coreference, and causal, topical, temporal, and spatial relations between events, we as organisers saw a strong connection between the two workshop series and decided to join forces in this new workshop.

We received 20 submissions to this workshop, from which 13 were accepted for presentation. The accepted submissions display the links between events and stories, as well as show the breadth of the field; ranging from domains such as digital humanities and security to creating ontologies and corpora for events and storylines all the way to approaches and experiments to extract this information from text.

In addition to regular presentations and a poster session, the workshop will also contain a keynote by James F. Allen (University of Rochester) and a hands-on annotation session. Through the annotation task, we will work towards common definitions for core concepts such as events and storylines and add to common resources for annotating and evaluating events and storylines in an NLP setting.

We thank the members of the Program Committee for their timely reviews and the authors for their contributions. We are also grateful to NewsEdge Inc. for sponsoring travel grants to PhD students to attend the workshop.

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Workshop Program

Friday, August 4, 2017

09:00–10:30 Session 1:

09:00–09:05 *Welcome and Opening Remarks*

09:05–10:05 *A theory of events unifying semantic parsing and reasoning*
James F. Allen, University of Rochester

10:05–10:30 *newsLens: building and visualizing long-ranging news stories*
Philippe Laban and Marti Hearst

10:30–11:00 *Coffee Break*

11:00–12:30 Session 2:

11:00–12:30 *Annotation Exercise*

12:30–14:00 *Lunch*

14:00–16:00 Session 3:

14:00–14:05 *Detecting Changes in Twitter Streams using Temporal Clusters of Hashtags*
Yunli Wang and Cyril Goutte

14:05–14:10 *Event Detection Using Frame-Semantic Parser*
Evangelia Spiliopoulou, Eduard Hovy and Teruko Mitamura

14:10–14:15 *Improving Shared Argument Identification in Japanese Event Knowledge Acquisition*
Yin Jou Huang and Sadao Kurohashi

Friday, August 4, 2017 (continued)

- 14:15–14:20 *Tracing armed conflicts with diachronic word embedding models*
Andrey Kutuzov, Erik Velldal and Lilja Øvrelid
- 14:20–14:25 *The Circumstantial Event Ontology (CEO)*
Roxane Segers, Tommaso Caselli and Piek Vossen
- 14:25–14:30 *Event Detection and Semantic Storytelling: Generating a Travelogue from a large Collection of Personal Letters*
Georg Rehm, Julian Moreno Schneider, peter bourgonje, Ankit Srivastava, Jan Nehring, Armin Berger, Luca König, Sören Räuchle and Jens Gerth
- 14:30–14:35 *Inference of Fine-Grained Event Causality from Blogs and Films*
Zhichao Hu, Elahe Rahimtoroghi and Marilyn Walker
- 14:35–14:40 *On the Creation of a Security-Related Event Corpus*
Martin Atkinson, Jakub Piskorski, Hristo Tanev and Vanni Zavarella
- 14:40–14:45 *Inducing Event Types and Roles in Reverse: Using Function to Discover Theme*
Natalie Ahn
- 14:45–16:00** *Poster session*
- 15:30–16:00** *Coffee Break*

Friday, August 4, 2017 (continued)

16:00–17:45 Session 4:

16:00–16:25 *The Event StoryLine Corpus: A New Benchmark for Causal and Temporal Relation Extraction*
Tommaso Caselli and Piek Vossen

16:25–16:50 *The Rich Event Ontology*
Susan Brown, Claire Bonial, Leo Obrst and Martha Palmer

16:50–17:15 *Integrating Decompositional Event Structures into Storylines*
William Croft, Pavlina Peskova and Michael Regan

17:15–17:45 Discussion and Conclusion

