

ACL 2014

**The 2nd Workshop on EVENTS: Definition, Detection,
Coreference, and Representation**

Proceedings of the Conference

June 22-27, 2014
Baltimore, Maryland, USA

©2014 The Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

ISBN 978-1-941643-14-3

Introduction

Although events have long been a subject of study, the NLP community has yet to achieve a consensus on the treatment of events, in spite of their critical importance to several areas in natural language processing, such as topic detection and tracking, information extraction, question answering, textual entailment, causality, and anomaly and contradiction detection. This, the second, EVENTS workshop brings together people for a discussion about the nature, definition, recognition, and representation of events. In this workshop we will structure the discussion around three themes.

- Event Ontology: A comparison of ontology resources
- Event Structure: Subevent coreference and script learning
- Event Mentions: Recognizing mentions of events in text

During the discussion, we will cover the following topics, among others:

- Event Coreference Detection (Full and/or Partial)
- Event Mention Detection
- Event Extraction
- Event Ontology
- Event Scripts
- Evaluations of Event Detection
- Issues in Event Annotation

An important aspect will be preparations for a pilot evaluation on event mention detection to be held at the end of 2014. Jerry Hobbs, ISI/USC, will be the keynote speaker, with an address entitled “Implicit Causal Relations among Events in Text”. We will have 10 poster presentations during the workshop. We hope that this second Events workshop will support the continuing efforts of the research community in coming to grips with this challenging topic.

Organizers:

Teruko Mitamura, CMU

Eduard Hovy, CMU

Martha Palmer, University of Colorado

Organizers:

Teruko Mitamura, Carnegie Mellon University
Eduard Hovy, Carnegie Mellon University
Martha Palmer, University of Colorado Boulder

Program Committee:

Rodolfo Delmonte (Università Ca' Foscari, Venice – Italy)
Marjorie Freedman (BBN)
Robert Frederking (Carnegie Mellon University)
Kira Griffit (LDC)
Heng Ji (CUNY)
Boyan Onyshkevych (DOD)
James Pustejovsky (Brandeis University)
Marta Recasens (Google Inc.)
Ian Soboroff, (NIST)
Stephanie Strassel (LDC)
Mihai Surdeanu (University of Arizona)
Lucy Vanderwende (Microsoft)
Benjamin van Durme (Johns Hopkins University)
Piek Vossen (VU University Amsterdam)
Luke Zettlemoyer (University of Washington)

Invited Speaker:

Jerry Hobbs (ISI/USC)

Table of Contents

<i>Augmenting FrameNet Via PPDB</i>	
Pushpendre Rastogi and Benjamin Van Durme	1
<i>Verbal Valency Frame Detection and Selection in Czech and English</i>	
Ondřej Dušek, Jan Hajic and Zdenka Uresova	6
<i>Challenges of Adding Causation to Richer Event Descriptions</i>	
Rei Ikuta, Will Styler, Mariah Hamang, Tim O’Gorman and Martha Palmer	12
<i>Inter-annotator Agreement for ERE annotation</i>	
Seth Kulick, Ann Bies and Justin Mott	21
<i>Unsupervised Techniques for Extracting and Clustering Complex Events in News</i>	
Delia Rusu, James Hodson and Anthony Kimball	26
<i>Conceptual and Practical Steps in Event Coreference Analysis of Large-scale Data</i>	
Fatemeh Torabi Asr, Jonathan Sonntag, Yulia Grishina and Manfred Stede	35
<i>A Comparison of the Events and Relations Across ACE, ERE, TAC-KBP, and FrameNet Annotation Standards</i>	
Jacqueline Aguilar, Charley Beller, Paul McNamee, Benjamin Van Durme, Stephanie Strassel, Zhiyi Song and Joe Ellis	45
<i>Is the Stanford Dependency Representation Semantic?</i>	
Rachel Rudinger and Benjamin Van Durme	54
<i>Qualities of Eventiveness</i>	
Sean Monahan and Mary Brunson	59
<i>Evaluation for Partial Event Coreference</i>	
Jun Araki, Eduard Hovy and Teruko Mitamura	68

Conference Program

Friday, June 27, 2014

9:00-9:15 Welcome

9:15-10:30 **Invited Talk: Implicit Causal Relations among Events in Text**
Speaker: Jerry Hobbs, ISI/USC

10:30-11:00 Break

11:00-12:00 **Session I: The Nature of Events**
Chair: Teruko Mitamura, Carnegie Mellon University

12:00-1:00 Lunch Break

1:00-2:30 **Poster Session**

Augmenting FrameNet Via PPDB

Pushpendre Rastogi and Benjamin Van Durme

Verbal Valency Frame Detection and Selection in Czech and English

Ondřej Dušek, Jan Hajic and Zdenka Uresova

Challenges of Adding Causation to Richer Event Descriptions

Rei Ikuta, Will Styler, Mariah Hamang, Tim O’Gorman and Martha Palmer

Inter-annotator Agreement for ERE annotation

Seth Kulick, Ann Bies and Justin Mott

Unsupervised Techniques for Extracting and Clustering Complex Events in News

Delia Rusu, James Hodson and Anthony Kimball

Conceptual and Practical Steps in Event Coreference Analysis of Large-scale Data

Fatemeh Torabi Asr, Jonathan Sonntag, Yulia Grishina and Manfred Stede

A Comparison of the Events and Relations Across ACE, ERE, TAC-KBP, and FrameNet Annotation Standards

Jacqueline Aguilar, Charley Beller, Paul McNamee, Benjamin Van Durme, Stephanie Strassel, Zhiyi Song and Joe Ellis

Is the Stanford Dependency Representation Semantic?

Rachel Rudinger and Benjamin Van Durme

Friday, June 27, 2014 (continued)

Qualities of Eventiveness

Sean Monahan and Mary Brunson

Evaluation for Partial Event Coreference

Jun Araki, Eduard Hovy and Teruko Mitamura

- 2:30-3:30 **Session II: Event Ontology**
Chair: Martha Palmer, University of Colorado Boulder
- 3:30-4:00 Break
- 4:00-5:00 **Session III: Event Structure and Subevents**
Chair: Eduard Hovy, Carnegie Mellon University
- 5:00-6:00 **Session IV: Shared Task Presentations and Discussions**
- 6:00 Close