

ACL 2019

**The 57th Annual Meeting
of the Association for Computational Linguistics**

Tutorial Abstracts

July 28, 2019
Florence, Italy

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Introduction

Welcome to the Tutorials Session of ACL 2019 in Florence, Italy.

The tutorials session at ACL offers attendees the opportunity to learn about new research areas through focused and comprehensive introductions given by expert researchers. The tutorials range from introductory topics of general interest to many areas of our field to specific, cutting-edge topics. It is our hope that these tutorials will be useful to novice researchers and experts alike, and that they will help participants stay informed about the latest developments in our rapidly-growing and rapidly-changing field.

This year, as has been the tradition over the past few years, the tutorials committee included tutorial chairs from three conferences: NAACL-HLT, ACL, and EMNLP-IJCNLP. A total of 46 tutorial proposals were submitted, and these were jointly reviewed by the six tutorial chairs. Nine tutorials were selected for presentation at ACL 2019.

Roughly half of the tutorials selected for ACL this year focus on innovative approaches to modeling language, ranging from deep Bayesian models to unsupervised learning of cross-lingual representations. A second focus area is the computational analysis of discourse, with tutorials on the foundations of discourse analysis as well as interdisciplinary applications of text analysis, from argument mining to analysis of political texts. We hope that this selection of tutorials will be both educational and inspirational.

Many thanks are in order to the people who have made it possible to put together this tutorials session. First, thanks to the ACL general chair Lluís Màrquez and the Web manager Sacha Bourdeaud'Hui. Thanks also to the publication co-chairs Douwe Kiele, Ivan Vulić, Shay Cohen, and Kevin Gimpel. We further thank the local organization co-chairs Alessandro Lenci, Bernardo Magnini, and Simonetta Montemagni, as well as ACL's business manager Priscilla Rasmussen who provided invaluable support – not the least in helping us to accommodate the nine excellent tutorials we selected. Finally, thanks to our co-chairs and co-reviewers Anoop Sarkar and Michael Strube (NAACL-HLT), and also Tim Baldwin and Marine Carpuat (EMNLP-IJCNLP).

We hope you enjoy the tutorials.

ACL 2019 Tutorial Co-chairs
Preslav Nakov
Alexis Palmer

General Chair

Lluís Màrquez, Amazon

Program Chairs

Anna Korhonen, University of Cambridge

David Traum, University of South California

Tutorial Chairs

Preslav Nakov, Qatar Computing Research Institute, HBKU

Alexis Palmer, University of North Texas

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Conference Program

Sunday, July 28, 2019

09:00–12:30 Morning Session

Latent Structure Models for Natural Language Processing

André F. T. Martins, Tsvetomila Mihaylova, Nikita Nangia and Vlad Niculae

Graph-Based Meaning Representations: Design and Processing

Alexander Koller, Stephan Oepen and Weiwei Sun

Discourse Analysis and Its Applications

Shafiq Joty, Giuseppe Carenini, Raymond Ng and Gabriel Murray

Computational Analysis of Political Texts: Bridging Research Efforts Across Communities

Goran Glavaš, Federico Nanni and Simone Paolo Ponzetto

Wikipedia as a Resource for Text Analysis and Retrieval

Marius Pasca

12:30–14:00 Lunch

14:00–17:30 Afternoon Session

Deep Bayesian Natural Language Processing

Jen-Tzung Chien

Unsupervised Cross-Lingual Representation Learning

Sebastian Ruder, Anders Søgaard and Ivan Vulić

Advances in Argument Mining

Katarzyna Budzynska and Chris Reed

Storytelling from Structured Data and Knowledge Graphs : An NLG Perspective

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Sunday, July 28, 2019 (continued)