

NAACL HTL 2019

**The 2019 Conference of the  
North American Chapter of the  
Association for Computational Linguistics:  
Human Language Technologies**

**Tutorial Abstracts**

June 2 2019  
Minneapolis, Minnesota

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## Introduction

Welcome to the Tutorials Session of NAACL HLT 2019 in Minneapolis, MN, USA.

The NAACL-HLT tutorials session is organized to give conference attendees a comprehensive introduction to a topic of importance drawn from our rapidly growing and changing research field from expert researchers.

This year, as has been the tradition over the past few years, the tutorials committee comprised of tutorials chairs from three conferences: ACL, EMNLP-IJCNLP and NAACL-HLT. A total of 46 tutorial submissions were received, of which 6 were selected for presentation at NAACL-HLT 2019.

The tutorials selected this year are a mix of different topics: from cutting-edge machine learning applied to NLP and emerging applications of NLP to new applications like clinical NLP, to the use of NLP in modeling sociolinguistics and language processing in humans. We hope you find this offering of tutorials compelling, in-depth, instructive and inspiring to your research.

We would like to thank Jill Burstein (NAACL general chair), Nitin Madnani (NAACL website chair), Stephanie Lukin and Alla Roskovskaya (NAACL publications chairs), and Priscilla Rasmussen (local arrangement chair) for their help during the whole process. We also want to extend our sincere gratitude to the other conferences' tutorial chairs who jointly helped with reviewing for all the tutorial submissions: Preslav Nakov and Alexis Palmer (ACL), Tim Baldwin and Marine Carpuat (EMNLP-IJCNLP).

We hope you enjoy the tutorials.

NAACL 2019 Tutorial Co-chairs

Anoop Sarkar

Michael Strube



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# Conference Program

**Sunday, June 2, 2019**

07:30–09:00 *Breakfast*

**09:00–12:30** *Morning Session*

*Deep Adversarial Learning for NLP*

William Yang Wang, Sameer Singh and Jiwei Li

*Deep Learning for Natural Language Inference*

Samuel Bowman and Xiaodan Zhu

*Measuring and Modeling Language Change*

Jacob Eisenstein

10:30–11:00 *Morning Break*

12:30–14:00 *Lunch*

**14:00–17:30** *Afternoon Session*

*Transfer Learning in Natural Language Processing*

Sebastian Ruder, Matthew E. Peters, Swabha Swayamdipta and Thomas Wolf

*Language Learning and Processing in People and Machines*

Aida Nematzadeh, Richard Futrell and Roger Levy

*Applications of Natural Language Processing in Clinical Research and Practice*

Yanshan Wang, Ahmad Tafti, Sunghwan Sohn and Rui Zhang

15:30–16:00 *Afternoon Break*

**Sunday, June 2, 2019 (continued)**