The 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies

Proceedings of the Student Research Workshop

June 2 - June 4, 2018
New Orleans, Louisiana
Welcome to the NAACL-HLT 2018 Student Research Workshop!

This year’s submissions were organized in two tracks: research papers and thesis proposals.

- Research papers may describe completed work, or work in progress with preliminary results. For these papers, the first author must be a current graduate or undergraduate student.
- Thesis proposals are geared towards PhD students who have decided on a thesis topic and wish to get feedback on their proposal and broader ideas for their continuing work.

This year, we received a total of 51 submissions: 43 of these were research papers, and 8 were thesis proposals. We accepted 16 research papers and 4 thesis proposals, resulting in an overall acceptance rate of 39%. The main author of the accepted papers represent a variety of countries: Canada, Estonia, France, Germany, India, Japan (2 papers), Switzerland, UK, USA (11 papers).

Accepted research papers will be presented as posters within the NAACL main conference poster sessions. We will have oral presentations at our SRW oral session on June 2 for all 4 thesis papers to allow students to get feedback about their thesis work, along with 2 research papers selected as outstanding papers.

Following previous editions of the Student Research Workshop, we have offered students the opportunity to get mentoring feedback before submitting their work for review. Each student that requested pre-submission mentorship was assigned to an experienced researcher who read the paper and provided some comments on how to improve the quality of writing and presentation of the student's work. A total of 21 students participated in the mentorship program. During the workshop itself, we will also provide an in-site mentorship program. Each mentor will meet with their assigned students to provide feedback on their poster or oral presentation, and to discuss their research careers.

We would like to express our gratitude for the financial support from the National Science Foundation (NSF) and the Computing Research Association Computing Community Consortium (CRA-CCC). Thanks to their support, this year’s SRW is able to assist students with their registration, travel, and lodging expenses.

We would like to thank the mentors for dedicating their time to help students improve their papers prior to submission, and we thank the members of the program committee for the constructive feedback they have provided for each submitted paper.

This workshop would not have been possible without the help from our faculty advisors, and we thank them for their guidance along this year of workshop preparation. We also thank the organizers of NAACL-HLT 2018 for their continuous support.

Finally, we would like to thank all students who have submitted their work to this edition of the Student Research Workshop. We hope our collective effort will be rewarded in the form of an excellent workshop!
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Meishan Zhang (Heilongjiang University)
Ran Zhao (Carnegie Mellon University)
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Conference Program

Saturday, June 2

10:30–12:00  Posters and Demos: Discourse and Pragmatics

Alignment, Acceptance, and Rejection of Group Identities in Online Political Discourse
Hagyeong Shin and Gabriel Doyle

15:30–17:00  Posters and Demos: Semantics

Combining Abstractness and Language-specific Theoretical Indicators for Detecting Non-Literal Usage of Estonian Particle Verbs
Eleri Aedmaa, Maximilian Köper and Sabine Schulte im Walde

Verb Alternations and Their Impact on Frame Induction
Esther Seyffarth

A Generalized Knowledge Hunting Framework for the Winograd Schema Challenge
Ali Emami, Adam Trischler, Kaheer Suleman and Jackie Chi Kit Cheung

Towards Qualitative Word Embeddings Evaluation: Measuring Neighbors Variation
Benedicte Pierrejean and Ludovic Tanguy

A Deeper Look into Dependency-Based Word Embeddings
Sean MacAvaney and Amir Zeldes

15:30–17:00  Posters and Demos: Sentiment Analysis

Learning Word Embeddings for Data Sparse and Sentiment Rich Data Sets
Prathusha Kameswara Sarma
Saturday, June 2 (continued)

17:00–18:30 Oral Presentations: Student Research Workshop Highlight Papers

17:00–17:14
Igbo Diacritic Restoration using Embedding Models
Ignatius Ezeani, Mark Hepple, Ikechukwu Onyenwe and Enemouh Chioma

17:15–17:29
Using Classifier Features to Determine Language Transfer on Morphemes
Alexandra Lavrentovich

17:30–17:44
End-to-End Learning of Task-Oriented Dialogs
Bing Liu

17:45–17:59
Towards Generating Personalized Hospitalization Summaries
Sabita Acharya, Barbara Di Eugenio, Andrew Boyd, Richard Cameron, Karen Dunn Lopez, Pamela Martyn-Nemeth, Carolyn Dickens and Amer Ardati

18:00–18:14
A Generalized Knowledge Hunting Framework for the Winograd Schema Challenge
Ali Emami, Adam Trischler, Kaheer Suleman and Jackie Chi Kit Cheung

18:15–18:30
Alignment, Acceptance, and Rejection of Group Identities in Online Political Discourse
Hagyeong Shin and Gabriel Doyle
Sunday, June 3

10:30–12:00  Posters and Demos: Information Extraction

*Read and Comprehend by Gated-Attention Reader with More Belief*
Haohui Deng and Yik-Cheung Tam

15:30–17:00  Posters and Demos: Machine Learning

*ListOps: A Diagnostic Dataset for Latent Tree Learning*
Nikita Nangia and Samuel Bowman

15:30–17:00  Posters and Demos: Machine Translation

*Japanese Predicate Conjugation for Neural Machine Translation*
Michiki Kurosawa, Yukio Matsumura, Hayahide Yamagishi and Mamoru Komachi

*Metric for Automatic Machine Translation Evaluation based on Universal Sentence Representations*
Hiroki Shimanaka, Tomoyuki Kajiwara and Mamoru Komachi

*Neural Machine Translation for Low Resource Languages using Bilingual Lexicon Induced from Comparable Corpora*
Sree Harsha Ramesh and Krishna Prasad Sankaranarayanan
Monday, June 4

10:30–12:00  Posters and Demos: Question Answering

*Training a Ranking Function for Open-Domain Question Answering*
Phu Mon Htut, Samuel Bowman and Kyunghyun Cho

10:30–12:00  Posters and Demos: Social Media and Computational Social Science

*Corpus Creation and Emotion Prediction for Hindi-English Code-Mixed Social Media Text*
Deepanshu Vijay, Aditya Bohra, Vinay Singh, Syed Sarfaraz Akhtar and Manish Shrivastava

14:00–15:30  Posters and Demos: Cognitive Modeling and Psycholinguistics

*Sensing and Learning Human Annotators Engaged in Narrative Sensemaking*
McKenna Tornblad, Luke Lapresi, Christopher Homan, Raymond Ptucha and Cecilia Ovesdotter Alm

14:00–15:30  Posters and Demos: Vision, Robotics and Other Grounding

*Generating Image Captions in Arabic using Root-Word Based Recurrent Neural Networks and Deep Neural Networks*
Vasu Jindal