

The 2017 Israel Seminar of Computational Linguistics



ביה"ס להנדסה ולמדעי המחשב ע"ש רחל וסלים בנין
The Rachel and Selim Benin School of Computer Science and Engineering

Monday, September 25, 2017

The Brindell and Milton Gottlieb Auditorium (A300), The Rothberg Family buildings,
Rachel and Selim Benin School of Computer Science and Engineering,
Edmond J. Safra Campus, Jerusalem

Program

09:00-09:05: Opening Words

09:05-10:25: Morning Session (Session Chair: Michael Elhadad)

- **Compositional Semantic Parsing of Instructions in Unseen Domains**
Ofer Givoli and Roi Reichart
- **Neural Semantic Parsing over Multiple Knowledge-bases**
Jonathan Herzig and Jonathan Berant
- **A Consolidated Open Knowledge Representation for Multiple Texts**
Rachel Wities, Vered Shwartz, Gabriel Stanovsky, Meni Adler, Ori Shapira, Shyam Upadhyay, Dan Roth, Eugenio Martinez Camara, Iryna Gurevych and Ido Dagan
- **Deep Learning for Preprocessing Historical Hebrew Texts: Error Correction, Vocalization and Abbreviation Expansion**
Avi Shmidman, Shaltiel Shmidman, Moshe Koppel and Yoav Goldberg

10:25-11:00: Coffee Break

11:00-12:00: Invited Talk by Inbal Arnon (Session Chair: Omri Abend)

More Than Words: Psycholinguistic and Computational Investigations of the Building Blocks of Language

12:00-14:00: Poster Session and Light Lunch

14:00-14:40: An Open Discussion on the Future of the Mila Center: Alon Itai (chair), Shuly Wintner

14:40-16:00: Afternoon Session (Session Chair: Yoav Goldberg)

- **Too Many Corrections: Semantic Reference-less Evaluation for Grammatical Error Correction**
Leshem Choshen and Omri Abend
- **Integrating Deep Linguistic Features in Factuality Prediction over Unified Datasets**
Gabriel Stanovsky, Judith Eckle-Kohler, Yevgeniy Puzikov, Ido Dagan and Iryna Gurevych
- **ConStance: Modeling Annotation Contexts to Improve Stance Classification**
Kenneth Josseph, Lisa Friedland, William Hobbs, David Lazer and Oren Tsur
- **Found in Translation: Reconstructing Phylogenetic Language Trees from Translations**
Ella Rabinovich, Noam Ordan and Shuly Wintner

16:00-16:30: Coffee Break

16:30-17:30: Evening Session (Session Chair: Jonathan Berant)

- **Controlling Linguistic Style Aspects in Neural Language Generation**
Jessica Fidler and Yoav Goldberg
- **Unsupervised Query-Focused Multi-Document Summarization**
Guy Feigenblat, Haggai Roitman, Odellia Boni and David Konopnicki
- **Query Focused Abstractive Summarization: Adapting Sequence-to-Sequence Models with Query Relevance**
Tal Baumel, Matan Eyal and Michael Elhadad

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We also acknowledge the support of the
Edmond and Lily Safra Center for Brain
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Program Committee

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Daniel Hershcovich, HUJI
Elior Sulem, HUJI
Leshem Choshen, HUJI

This program is also available online at
www.cs.huji.ac.il/~danielh/iscol2017



1. **Towards String-to-Tree Neural Machine Translation**
Roei Aharoni and Yoav Goldberg
2. **A Transition-Based Directed Acyclic Graph Parser for Universal Conceptual Cognitive Annotation**
Daniel Hershcovich, Omri Abend and Ari Rappoport
3. **Interactive Abstractive Summarization for Event News Tweets**
Ori Shapira, Hadar Ronen, Adler Meni, Yael Amsterdamer, Judit Bar-Ilan and Ido Dagan
4. **Semantic Helper for Text Compose**
Boris Pevzner
5. **Acquiring Predicate Paraphrases from News Tweets**
Vered Shwartz, Gabriel Stanovsky and Ido Dagan
6. **Learning Agreement with Deep Neural Networks**
Jean-Philippe Bernardy and Shalom Lappin
7. **Mutual Convergence of Multimodal Linguistic Properties in Spoken Dialogue Systems**
Eran Raveh, Ingmar Steiner, Iona Gessinger and Bernd Möbius
8. **Unsupervised Event Detection in Twitter**
Yuval Shachaf, Gennadi Lembersky and Roy Klein
9. **Evaluating Semantic Parsing against a Simple Web-based Question Answering Model**
Alon Talmor, Mor Geva and Jonathan Berant
10. **Semantic Structure-Based Evaluation Metrics for Sentence Simplification**
Elior Sulem, Omri Abend and Ari Rappoport
11. **Recognizing Mentions of Adverse Drug Reaction in Social Media Using Knowledge-Infused Recurrent Models**
Gabriel Stanovsky, Daniel Gruhl and Pablo Mendes
12. **Automatic Detection of Translation Direction**
Ilia Sominsky and Shuly Wintner
13. **Thomson Reuters Self-Service Classification**
Ehud Azikri and Hila Zarosim
14. **Interactive Semantic Parsing on Semi-Structured Tables**
Tomer Wolfson
15. **Floating Agenda Parser**
Dor Muhlgay and Jonathan Berant
16. **Reinforcing Abstractive Text Summarization with Reading-Comprehension**
Matan Eyal, Tal Baumel and Michael Elhadad
17. **Improving Claim Stance Classification with Lexical Knowledge Expansion and Context Utilization**
Roy Bar-Haim, Lilach Edelstein, Charles Jochim and Noam Slonim
18. **Multi-Label Classification on Patient Notes**
Tal Baumel, Jumana Nassour-Kassis, Noemie Elhadad and Michael Elhadad
19. **Crafting a Lexicon of Referential Expressions for NLG Applications**
Ariel Gutman, Alexandros Andre Chaaraoui and Pascal Fleury
20. **Where's My Head? Task Definition, Dataset and Initial Results for Fused Head Recovery**
Yanai Elazar and Yoav Goldberg
21. **Contextualization and Regularization of Word Embeddings for Machine Comprehension**
Shimi Salant and Jonathan Berant
22. **Semantically Motivated Hebrew Verb-Noun Multi-Word Expressions Identification**
Chaya Liebeskind and Yaakov Hachohen-Kerner
23. **Detection of Native Language Based on Micro Messages**
Oren Tsur, Yohay Nahari and Maayan Matook
24. **Causal Factors of Language Change Under Control - the Case of Frequency Bias in Laws of Semantic Change**
Haim Dubossarsky, Eitan Grossman and Daphna Weinshall
25. **Rare Word Embeddings with Sub-word Similarity Based Search: Better Representations without More Knowledge, Data, or Training**
Clayton Greenberg, Mittul Singh, Youssef Oualil, and Dietrich Klakow