

55th Annual Meeting ||
Association for Computational Linguistics ||
Vancouver, Canada ||

2017

July 30 - August 4

ACL CONFERENCE

HANDBOOK



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Handbook assembled by Christian Federmann (in memoriam Hans-Ulrich Krieger)
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Conference Information

Meal Info

The following meals are provided as part of your registration fee:

- A full buffet breakfast will be provided each day in the Bayshore Grand Foyer
- Mid-Morning breaks include coffee and tea in the Bayshore Grand Foyer
- Mid-Afternoon breaks include coffee, tea, soda, water, and snacks in the Bayshore Grand Foyer
- A full dinner buffer is provided during the poster sessions on Monday and Tuesday evenings in the Bayshore Grand Ballroom and Foyer

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Tutorials: Sunday, July 30

Overview

7:30 – 18:00	Registration	<i>Bayshore Grand Foyer</i>
7:30 – 9:00	Breakfast	<i>Bayshore Grand Foyer</i>
9:00 – 12:30	Morning Tutorials	
	Natural Language Processing for Precision Medicine <i>Hoifung Poon, Chris Quirk, Kristina Toutanova, and Wen-tau Yih</i>	<i>Mackenzie</i>
	Multimodal Machine Learning <i>Louis-Philippe Morency and Tadas Baltrusaitis</i>	<i>Salon 1</i>
	Deep Learning for Semantic Composition <i>Xiaodan Zhu and Edward Grefenstette</i>	<i>Salons A/B</i>
10:30 – 11:00	Coffee break	
12:30 – 14:00	Lunch break	
14:00 – 17:30	Afternoon Tutorials	
	Deep Learning for Dialogue Systems <i>Yun-Nung Chen, Asli Celikyilmaz, and Dilek Hakkani-Tur</i>	<i>Salons A/B</i>
	Beyond Words: Deep Learning for Multiword Expressions and Collocations <i>Valia Kordoni</i>	<i>Salon 1</i>
	Making Better Use of the Crowd <i>Jennifer Wortman Vaughan</i>	<i>Mackenzie</i>
15:30 – 16:00	Coffee break	
18:00 – 21:00	Welcome Reception	<i>Bayshore Grand Ballroom</i>

Message from the Tutorial Co-Chairs

This section contains the abstracts of the ACL 2017 tutorials. This year we had a joint call-for-tutorials, coordinated with the EACL and EMNLP co-chairs (6 co-chairs in total). We received 26 submissions for the joint ACL/EACL/EMNLP call, and it was a difficult task to make a final selection. The six co-chairs applied the following criteria for evaluation: relevance to ACL community, quality of proposal, quality of instructor, estimate of attendance, relevance of area. The tutorials were then assigned to venues trying to respect proposers' preferences and to balance topics across venues. Nine tutorials had ACL as the preferred conference, from which one was rejected, two were redirected to EMNLP and the rest (six of them) was accepted. All six are organised as half-day tutorials.

We are very grateful to Alex Klementiev and Lucia Specia (EACL tutorial chairs), Nathan Schneider and Alexandra Birch (EMNLP tutorial chairs), Priscilla Rasmussen and Anoop Sarkar (local chairs), Wei Lu, Sameer Singh and Margaret Mitchell (publication chairs), Min-Yen Kan and Regina Barzilay (program co-chairs) and of course Chris Callison-Burch (general chair) for various kinds of help, advice and assistance offered during the process of putting the tutorial programme and materials together. Most importantly, we would like to thank the tutorial presenters for the time and effort in preparing and presenting the tutorials.

We hope you will enjoy the tutorials!

ACL 2017 Tutorial Chairs
Maja Popović, Humboldt-Universität zu Berlin
Jordan Boyd-Graber, University of Colorado, Boulder

Tutorial 1

Natural Language Processing for Precision Medicine

Hoifung Poon, Chris Quirk, Kristina Toutanova, and Wen-tau Yih

Sunday, July 30, 2017, 9:00–12:30

Mackenzie

We will introduce precision medicine and showcase the vast opportunities for NLP in this burgeoning field with great societal impact. We will review pressing NLP problems, state-of-the art methods, and important applications, as well as datasets, medical resources, and practical issues. The tutorial will provide an accessible overview of biomedicine, and does not presume knowledge in biology or healthcare. The ultimate goal is to reduce the entry barrier for NLP researchers to contribute to this exciting domain.

Hoifung Poon is a Researcher at Microsoft Research Redmond. His research interests lie in advancing machine learning and natural language processing (NLP) to help automate discovery and decision support in precision medicine. He received his Ph.D. in computer science & engineering at the University of Washington. His past work has been recognized with Best Paper Awards from premier NLP and machine learning venues such as NAACL-09 (unsupervised morphological segmentation), EMNLP-09 (unsupervised semantic parsing), and UAI-11 (sum-product networks).

Chris Quirk is a Principal Researcher at Microsoft Research Redmond. Since joining Microsoft Research in 2001, his research has focused on effective computational systems for aiding human communication, understanding, and task completion. His primary focus is in machine translation, building practical and widely-used system implementations and authoring a number of influential papers. He has also worked in paraphrase, information extraction, and most recently biological applications of natural language processing and machine learning. He has served on numerous program committees, acted Area Chair (ACL 2010, EMNLP 2012), and is currently an action editor of the TACL journal.

Kristina Toutanova is a Staff Research Scientist at Google Research Seattle and affiliate faculty member at the University of Washington. In 2005, she obtained her Ph.D. from the Computer Science Department at Stanford University, where she was advised by Christopher Manning. She focuses on modeling the structure of natural language using machine learning, in the areas of semantic parsing, knowledge extraction, information retrieval, and text-to-text generation. She has coauthored more than 50 publications at refereed conferences and journals, including four papers that have won awards at conferences (EMNLP, NAACL, CoNLL, ECML). She served as a program co-chair for CoNLL 2008 and ACL 2014 and is currently serving as a co-editor-in-chief of the TACL journal.

Wen-tau Yih is a Senior Researcher at Microsoft Research Redmond. His research interests include natural language processing, machine learning and information retrieval. Yih received his Ph.D. in computer science at the University of Illinois at Urbana-Champaign. His work on joint inference using integer linear programming (ILP) helped the UIUC team win the CoNLL-05 shared task on semantic role labeling, and the approach has been widely adopted in the NLP community since then. After joining MSR in 2005, he has worked on email spam filtering, keyword extraction and search & ad relevance. His recent work focuses on continuous semantic representations using neural networks and matrix/tensor decomposition methods, with applications in lexical semantics, knowledge base embedding and question answering. Yih received

the best paper award from CoNLL-2011, an outstanding paper award from ACL-2015 and has served as area chairs (HLT-NAACL-12, ACL-14, EMNLP16,17), program co-chairs (CEAS-09, CoNLL-14) and action/associated editors (TACL, JAIR) in recent years.

Tutorial 2

Multimodal Machine Learning

Louis-Philippe Morency and Tadas Baltrušaitis

Sunday, July 30, 2017, 9:00–12:30

Salon 1

Multimodal machine learning is a vibrant multi-disciplinary research field which addresses some of the original goals of artificial intelligence by integrating and modeling multiple communicative modalities, including linguistic, acoustic and visual messages. With the initial research on audio-visual speech recognition and more recently with image and video captioning projects, this research field brings some unique challenges for multimodal researchers given the heterogeneity of the data and the contingency often found between modalities.

This tutorial builds upon a recent course taught at Carnegie Mellon University during the Spring 2016 semester (CMU course 11-777) and two tutorials presented at CVPR 2016 and ICMI 2016. The present tutorial will review fundamental concepts of machine learning and deep neural networks before describing the five main challenges in multimodal machine learning: (1) multimodal representation learning, (2) translation & mapping, (3) modality alignment, (4) multimodal fusion and (5) co-learning. The tutorial will also present state-of-the-art algorithms that were recently proposed to solve multimodal applications such as image captioning, video descriptions and visual question-answer. We will also discuss the current and upcoming challenges.

Louis-Philippe Morency (<https://www.cs.cmu.edu/~morency/>) is Assistant Professor in the Language Technology Institute at the Carnegie Mellon University where he leads the Multimodal Communication and Machine Learning Laboratory (MultiComp Lab). He received his Ph.D. and Master degrees from MIT Computer Science and Artificial Intelligence Laboratory. In 2008, Dr. Morency was selected as one of "AI's 10 to Watch" by IEEE Intelligent Systems. He has received 7 best paper awards in multiple ACM and IEEE-sponsored conferences for his work on context-based gesture recognition, multimodal probabilistic fusion and computational models of human communication dynamics. Dr. Morency was General Chair for the International Conference on Multimodal Interaction (ICMI 2012) and the NIPS 2010 workshop on Modeling Human Communication Dynamics. He was Program Chair for ICMI 2011, 2014 and 2016, as well as the Tenth International Conference on Creating, Connecting and Collaborating through Computing in January 2012.

Tadas Baltrušaitis (<http://www.cl.cam.ac.uk/~tb346/>) is a post-doctoral associate at the Language Technologies Institute, Carnegie Mellon University. Before this, he was a post-doctoral research at the University of Cambridge, where he also received his PhD degree in 2014. His primary research interests lie in the automatic understanding of non-verbal human behaviour, computer vision, and multimodal machine learning. His papers have won a number of awards for his work on non-verbal human behavior analysis, including ICMI 2014 best student paper award, and ETRA 2016 emerging investigator award. He is also a winner of several challenges in computer vision and multi-modal machine learning, including FERA 2015, and AVEC 2011.

Tutorial 3

Deep Learning for Semantic Composition

Xiaodan Zhu and Edward Grefenstette

Sunday, July 30, 2017, 9:00–12:30

Salons A/B

Learning representation to model the meaning of text has been a core problem in NLP. The last several years have seen extensive interests on distributional approaches, in which text spans of different granularities are encoded as vectors of numerical values. If properly learned, such representation has showed to achieve the state-of-the-art performance on a wide range of NLP problems. In this tutorial, we will cover the fundamentals and the state-of-the-art research on neural network-based modeling for semantic composition, which aims to learn distributed representation for different granularities of text, e.g., phrases, sentences, or even documents, from their sub-component meaning representation, e.g., word embedding.

Xiaodan Zhu is an Assistant Professor of the Department of Electrical and Computer Engineering of Queen’s University, Canada. Before that, he was a Research Officer of the National Research Council Canada. His research interests are in Natural Language Processing and Machine Learning. His recent work has focused on deep learning, semantic composition, sentiment analysis, and natural language inference.

Edward Grefenstette is a Staff Research Scientist at DeepMind. His research covers the intersection of Machine Learning, Computer Reasoning, and Natural Language Understanding. Recent publications cover the topics of neural computation, representation learning at the sentence level, recognising textual entailment, and machine reading.

Tutorial 4

Deep Learning for Dialogue Systems

Yun-Nung Chen, Asli Celikyilmaz, and Dilek Hakkani-Tur

Sunday, July 30, 2017, 14:00–17:30

Salons A/B

In the past decade, goal-oriented spoken dialogue systems have been the most prominent component in today's virtual personal assistants. The classic dialogue systems have rather complex and/or modular pipelines. The advance of deep learning technologies has recently risen the applications of neural models to dialogue modeling. However, how to successfully apply deep learning based approaches to a dialogue system is still challenging. Hence, this tutorial is designed to focus on an overview of the dialogue system development while describing most recent research for building dialogue systems and summarizing the challenges, in order to allow researchers to study the potential improvements of the state-of-the-art dialogue systems. The tutorial material is available at <http://deepdialogue.miulab.tw>.

Yun-Nung Chen is currently an assistant professor at the Department of Computer Science, National Taiwan University. She earned her Ph.D. degree from Carnegie Mellon University, where her research interests focus on spoken dialogue system, language understanding, natural language processing, and multi-modal speech applications. She received the Google Faculty Research Awards 2016, two Student Best Paper Awards from IEEE SLT 2010 and IEEE ASRU 2013, a Student Best Paper Nominee from Interspeech 2012, and the Distinguished Master Thesis Award from ACLCLP. Before joining National Taiwan University, she worked in the Deep Learning Technology Center at Microsoft Research Redmond. More information about her can be found at <http://vivianchen.idv.tw>.

Asli Celikyilmaz is currently a researcher at the Deep Learning Technology Center at Microsoft Research. Previously, she was a Research Scientist at Microsoft Bing from 2010 until 2016 focusing on deep learning models for scaling natural user interfaces to multiple domains. She has worked as a Postdoc Researcher at the EECS Department of the UC Berkeley from 2008 until 2010. She has worked with researchers at ICSI @ Berkeley during her postdoc research study. She earned her Ph.D. from University of Toronto, Canada in 2008. Asli's research interests are mainly machine learning and its applications to conversational dialogue systems, mainly natural language understanding and dialogue modeling. In the past she has also focused on research areas including machine intelligence, semantic tagging of natural user utterances of human to machine conversations, text analysis, document summarization, question answering, co-reference resolution, to name a few. Currently she is focusing on reasoning, attention, memory networks as well as multi-task and transfer learning for conversational dialogue systems. She has been serving as area chair, co-organizer of numerous NLP and speech conferences, such as ACL, NAACL, Interspeech, and IEEE Spoken Language Technologies (SLT). She co-organized a NIPS workshop on Machine Learning for Spoken Language Understanding and Interactions in 2015.

Dilek Hakkani-Tur is a research scientist at Google Research. Prior to joining Google, she was a researcher at Microsoft Research (2010–2016), International Computer Science Institute (ICSI, 2006–2010) and AT&T Labs-Research (2001–2005). She received her BSc degree from Middle East Technical Univ, in 1994, and MSc and PhD degrees from Bilkent Univ., Department of Computer Engineering, in 1996 and 2000, respectively. Her research interests include natural language and speech processing, spoken dialogue systems, and machine learning for language

processing. She has over 50 patents that were granted and co-authored more than 200 papers in natural language and speech processing. She is the recipient of three best paper awards for her work on active learning for dialogue systems, from IEEE Signal Processing Society, ISCA and EURASIP. She was an associate editor of IEEE Transactions on Audio, Speech and Language Processing (2005-2008), member of the IEEE Speech and Language Technical Committee (2009-2014), area editor for speech and language processing for Elsevier's Digital Signal Processing Journal and IEEE Signal Processing Letters (2011-2013), and currently serves on ISCA Advisory Council (2015-2018). She is a fellow of IEEE and ISCA.

Tutorial 5

Beyond Words: Deep Learning for Multiword Expressions and Collocations

Valia Kordoni

Sunday, July 30, 2017, 14:00–17:30

Salon 1

Deep learning has recently shown much promise for NLP applications. Traditionally, in most NLP approaches, documents or sentences are represented by a sparse bag-of-words representation. There is now a lot of work which goes beyond this by adopting a distributed representation of words, by constructing a so-called “neural embedding” or vector space representation of each word or document. The aim of this tutorial is to go beyond the learning of word vectors and present methods for learning vector representations for Multiword Expressions and bilingual phrase pairs, all of which are useful for various NLP applications. This tutorial aims to provide attendees with a clear notion of the linguistic and distributional characteristics of Multiword Expressions (MWEs), their relevance for the intersection of deep learning and natural language processing, what methods and resources are available to support their use, and what more could be done in the future. Our target audience are researchers and practitioners in machine learning, parsing (syntactic and semantic) and language technology, not necessarily experts in MWEs, who are interested in tasks that involve or could benefit from considering MWEs as a pervasive phenomenon in human language and communication.

Valia Kordoni is a research professor of computational linguistics at Humboldt University Berlin. She is a leader in EU-funded research in Machine Translation, Computational Semantics, and Machine Learning. She has organized conferences and workshops dedicated to research on MWEs, recently including the EACL 2014 10th Workshop on Multiword Expressions (MWE 2014) in Gothenburg, Sweden, the NAACL 2015 11th Workshop on Multiword Expressions in Denver, Colorado, and the ACL 2016 12th Workshop on Multiword Expressions in Berlin, Germany, among others. She has been the Local Chair of ACL 2016 The 54th Annual Meeting of the Association for Computational Linguistics which took place at the Humboldt University Berlin in August 2016. She has taught a tutorial on Robust Automated Natural Language Processing with Multiword Expressions and Collocations in ACL 2013, as well as a tutorial on Robust Semantic Analysis of Multiword Expressions with FrameNet in EMNLP 2015, together with Miriam R. L. Petrucci. She is also the author of Multiword Expressions From Linguistic Analysis to Language Technology Applications (to appear, Springer).

Tutorial 6

Making Better Use of the Crowd

Jennifer Wortman Vaughan

Sunday, July 30, 2017, 14:00–17:30

Mackenzie

Over the last decade, crowdsourcing has been used to harness the power of human computation to solve tasks that are notoriously difficult to solve with computers alone, such as determining whether or not an image contains a tree, rating the relevance of a website, or verifying the phone number of a business.

The natural language processing community was early to embrace crowdsourcing as a tool for quickly and inexpensively obtaining annotated data to train NLP systems. Once this data is collected, it can be handed off to algorithms that learn to perform basic NLP tasks such as translation or parsing.

Usually this handoff is where interaction with the crowd ends. The crowd provides the data, but the ultimate goal is to eventually take humans out of the loop. Are there better ways to make use of the crowd?

In this tutorial, I will begin with a showcase of innovative uses of crowdsourcing that go beyond data collection and annotation. I will discuss applications to natural language processing and machine learning, hybrid intelligence or “human in the loop” AI systems that leverage the complementary strengths of humans and machines in order to achieve more than either could achieve alone, and large scale studies of human behavior online.

I will then spend the majority of the tutorial diving into recent research aimed at understanding who crowdworkers are, how they behave, and what this should teach us about best practices for interacting with the crowd.

I'll start by debunking the common myth among researchers that crowdsourcing platforms are riddled with bad actors out to scam requesters. In particular, I'll describe the results of a research study that showed that crowdworkers on the whole are basically honest.

I'll talk about experiments that have explored how to boost the quality and quantity of crowdwork by appealing to both well-designed monetary incentives (such as performance-based payments) and intrinsic sources of motivation (such as piqued curiosity or a sense of doing meaningful work).

I'll then discuss recent research—both qualitative and quantitative—that has opened up the black box of crowdsourcing to uncover that crowdworkers are not independent contractors, but rather a network with a rich communication structure.

Taken as a whole, this research has a lot to teach us about how to most effectively interact with the crowd. Throughout the tutorial I'll discuss best practices for engaging with crowdworkers that are rarely mentioned in the literature but make a huge difference in whether or not your research studies will succeed. (Here's a few hints: Be respectful. Be responsive. Be clear.)

Jennifer Wortman Vaughan is a Senior Researcher at Microsoft Research, New York City, where she studies algorithmic economics, machine learning, and social computing, with a heavy focus on prediction markets and other forms of crowdsourcing. She is interested in developing general methods that allow us to reason formally about the performance of algorithms with

human components in the same way that traditional computer science techniques allow us to formally reason about algorithms that run on machines alone. Jenn came to Microsoft in 2012 from UCLA, where she was an assistant professor in the computer science department. She completed her Ph.D. at the University of Pennsylvania in 2009, and subsequently spent a year as a Computing Innovation Fellow at Harvard. She is the recipient of Penn's 2009 Rubinoff dissertation award for innovative applications of computer technology, a National Science Foundation CAREER award, a Presidential Early Career Award for Scientists and Engineers (PECASE), and a handful of best paper or best student paper awards. In her "spare" time, Jenn is involved in a variety of efforts to provide support for women in computer science; most notably, she co-founded the Annual Workshop for Women in Machine Learning, which has been held each year since 2006.

Welcome Reception



Sunday, July 30, 2017, 18:00 – 21:00

Westin Bayshore Hotel (Conference Venue)
Bayshore Grand Ballroom
<http://www.westinbayshore.com/>

Catch up with your colleagues at the **Welcome Reception!** It will be held immediately following the Tutorials on Sunday, July 30 at 18:00 in the Bayshore Grand Ballroom of the Westin Bayshore Hotel (the conference venue). Refreshments and a light dinner will be provided, and a cash bar will be available.

Social Event



Tuesday, August 1, 2017, 18:00 – 21:00

Vancouver Aquarium (Stanley Park)
Vancouver Aquarium
845 Avison Way
Vancouver, BC
V6G 3E2
<http://www.vanaqua.org/>

The ACL 2017 Social and Networking Event will be held at the Vancouver Aquarium located in Stanley Park, on Tuesday, August 1, starting at 18:00. Here you will enjoy desserts, coffee and tea, and a cash bar. Bring your kids and enjoy a marine sanctuary in the heart of Stanley Park, home to thousands of incredible ocean species and amazing aquatic life. Since opening in 1956, the Vancouver Aquarium has connected more than 40 million people from around the world to our oceans and all the wonders within them. Enjoy networking with colleagues and have a relaxing evening!

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Workshops and Collocated Events

Sunday

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WiNLP: Women & Underrepresented Minorities in Natural Language Processing

Organizers: *Libby Barak, Isabelle Augenstein, Chloé Braud, He He, and Margaret Mitchell*

Venue: Salon 2

Sunday, July 30, 2017

7:30–8:30 **ACL Registration**

8:30–10:35 **Session I: Opening, Invited Talk, Oral Presentations**

8:30–9:00 **Opening Remarks (Libby, Isabelle, Chloé, He, Margaret)**

9:00–9:35 **Invited Talk: Discourse and Computation: A life in tokens (Bonnie Webber)**

Oral Presentations

9:35–9:55 **WiNLP-046**

WiNLP-046

9:55–10:15 **WiNLP-009**

WiNLP-009

10:15–10:35 **WiNLP-063**

WiNLP-063

10:35–11:00 **Coffee Break**

11:00–12:00 **Session II: Invited Talk, Mentoring**

11:00–11:35 **Invited Talk: Improving zero-shot learning for word-level translation (Ndapa Nakashole)**

11:35–12:00 **Mentoring Session (WiNLP Participants)**

12:00–13:00 **Lunch**

13:00–15:30 **Session III: Poster Presentations, Oral Presentations**

13:00–14:30 **Poster Session (see list below)**

14:30–15:30 **Oral Presentations**

14:30–14:50 **WiNLP-081**

WiNLP-081

14:50–15:10 **WiNLP-061**

WiNLP-061

15:10–15:30 **WiNLP-037**

WiNLP-037

15:30–15:55 **Coffee Break**

15:55–18:00 **Session IV: Invited Talk, Oral Presentations, Closing, Mentor Meetup**

15:55–16:30 **Invited Talk: Empathetic Natural Language Processing (Pascale Fung)**

Oral Presentations

16:30–16:50 **WiNLP-040**

WiNLP-040

16:50–17:10 **WiNLP-018**
WiNLP-018
Closing

17:10–17:30 **Closing Remarks and Planning (Libby, Isabelle, Chloé, He, Margaret)**

17:30 **One-on-One Mentor Meetup**

18:00 **End of WiNLP**

18:00–21:30 **Session P1: Poster Session 1**

- **WiNLP-002**
WiNLP-002
- **WiNLP-003**
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CoNLL: The SIGNLL Conference on Computational Natural Language Learning

Organizers: *Lucia Specia and Roger Levy*

Venue: Salon A

Thursday, August 3, 2017

8:45–9:00 **Opening Remarks**

Invited Talk by Chris Dyer

9:00–10:00 Should Neural Network Architecture Reflect Linguistic Structure?
Chris Dyer

Session 1

10:00–10:15 Exploring the Syntactic Abilities of RNNs with Multi-task Learning
Émile Enguehard, Yoav Goldberg, and Tal Linzen

Session 1L: Lightning Talks for Poster Session

10:15–10:17 The Effect of Different Writing Tasks on Linguistic Style: A Case Study of the ROC Story Cloze Task
Roy Schwartz, Maarten Sap, Ioannis Konstas, Leila Zilles, Yejin Choi, and Noah A. Smith

10:17–10:19 Parsing for Grammatical Relations via Graph Merging
Weiwei Sun, Yantao Du, and Xiaojun Wan

10:19–10:21 Leveraging Eventive Information for Better Metaphor Detection and Classification
I-Hsuan Chen, Yunfei Long, Qin Lu, and Chu-Ren Huang

10:21–10:23 Collaborative Partitioning for Coreference Resolution
Olga Uryupina and Alessandro Moschitti

10:23–10:25 Named Entity Disambiguation for Noisy Text
Yotam Eshel, Noam Cohen, Kira Radinsky, Shaul Markovitch, Ikuya Yamada, and Omer Levy

10:25–10:27 Tell Me Why: Using Question Answering as Distant Supervision for Answer Justification
Rebecca Sharp, Mihai Surdeanu, Peter Jansen, Marco A. Valenzuela-Escárcega, Peter Clark, and Michael Hammond

10:27–10:29 Learning What is Essential in Questions
Daniel Khashabi, Tushar Khot, Ashish Sabharwal, and Dan Roth

10:29–10:31 Top-Rank Enhanced Listwise Optimization for Statistical Machine Translation
Huadong Chen, Shujian Huang, David Chiang, Xin-Yu Dai, and Jiajun Chen

10:31–11:00 **Coffee Break**

Session ST1: CoNLL-SIGMORPHON Shared Task

11:00–12:30 Mans Hulden, Ryan Cotterell, Christo Kirov, and John Sylak-Glassman: Universal Morphological Reinflection in 52 Languages

12:30–14:00 **Lunch Break**

Session ST2: CoNLL Shared Task

14:00–15:30 Dan Zeman, Jan Hajič, et al.: Multilingual Parsing from Raw Text to Universal Dependencies

15:30–16:00 **Coffee Break**

Session 2

16:00–16:15 Embedding Words and Senses Together via Joint Knowledge-Enhanced Training

Massimiliano Mancini, Jose Camacho-Collados, Ignacio Iacobacci, and Roberto Navigli

16:15–16:30 Automatic Selection of Context Configurations for Improved Class-Specific Word Representations

Ivan Vulić, Roy Schwartz, Ari Rappoport, Roi Reichart, and Anna Korhonen

16:30–16:45 Modeling Context Words as Regions: An Ordinal Regression Approach to Word Embedding

Shoaib Jameel and Steven Schockaert

16:45–17:00 An Artificial Language Evaluation of Distributional Semantic Models

Fatemeh Torabi Asr and Michael Jones

17:00–17:15 Learning Word Representations with Regularization from Prior Knowledge

Yan Song, Chia-Jung Lee, and Fei Xia

Session 2L: Lightning Talks for Poster Session

17:15–17:17 Attention-based Recurrent Convolutional Neural Network for Automatic Essay Scoring

Fei Dong, Yue Zhang, and Jie Yang

17:17–17:19 Feature Selection as Causal Inference: Experiments with Text Classification

Michael J. Paul

17:19–17:21 A Joint Model for Semantic Sequences: Frames, Entities, Sentiments

Haoruo Peng, Snigdha Chaturvedi, and Dan Roth

17:21–17:23 Neural Sequence-to-sequence Learning of Internal Word Structure

Tatyana Ruzsics and Tanja Samardzic

17:23–17:25 A Supervised Approach to Extractive Summarisation of Scientific Papers

Ed Collins, Isabelle Augenstein, and Sebastian Riedel

17:25–17:27 An Automatic Approach for Document-level Topic Model Evaluation

Shraey Bhatia, Jey Han Lau, and Timothy Baldwin

17:27–17:29 Robust Coreference Resolution and Entity Linking on Dialogues: Character Identification on TV Show Transcripts

Henry Y. Chen, Ethan Zhou, and Jinho D. Choi

17:29–17:31 Cross-language Learning with Adversarial Neural Networks

Shafiq Joty, Preslav Nakov, Lluís Màrquez, and Israa Jaradat

17:31–18:31 **Business Meeting**

Friday, August 4, 2017

Invited talk by Naomi Feldman

- 8:45–9:45 Rational Distortions of Learners’ Linguistic Input
Naomi Feldman

Session 3

- 9:45–10:00 Knowledge Tracing in Sequential Learning of Inflected Vocabulary
Adithya Renduchintala, Philipp Koehn, and Jason Eisner
- 10:00–10:15 A Probabilistic Generative Grammar for Semantic Parsing
Abulhair Saparov, Vijay Saraswat, and Tom M. Mitchell

Session 3L: Lightning Talks for Poster Session

- 10:15–10:17 Learning Contextual Embeddings for Structural Semantic Similarity using Categorical Information
Massimo Nicosia and Alessandro Moschitti
- 10:17–10:19 Making Neural QA as Simple as Possible but not Simpler
Dirk Weissenborn, Georg Wiese, and Laura Seiffe
- 10:19–10:21 Neural Domain Adaptation for Biomedical Question Answering
Georg Wiese, Dirk Weissenborn, and Mariana Neves
- 10:21–10:23 A phoneme clustering algorithm based on the obligatory contour principle
Mans Hulden
- 10:23–10:25 Learning Stock Market Sentiment Lexicon and Sentiment-Oriented Word Vector from StockTwits
Quanzhi Li and Sameena Shah
- 10:25–10:27 Learning local and global contexts using a convolutional recurrent network model for relation classification in biomedical text
Desh Raj, Sunil Sahu, and Ashish Anand
- 10:27–10:29 Idea density for predicting Alzheimer’s disease from transcribed speech
Kairit Sirts, Olivier Piguet, and Mark Johnson

10:29–11:00 **Coffee Break**

11:00–14:00 **Poster Session & Lunch**

Session 4

- 14:00–14:15 Zero-Shot Relation Extraction via Reading Comprehension
Omer Levy, Minjoon Seo, Eunsol Choi, and Luke Zettlemoyer
- 14:15–14:30 The Covert Helps Parse the Overt
Xun Zhang, Weiwei Sun, and Xiaojun Wan
- 14:30–14:45 German in Flux: Detecting Metaphoric Change via Word Entropy
Dominik Schlechtweg, Stefanie Eckmann, Enrico Santus, Sabine Schulze im Walde, and Daniel Hole
- 14:45–15:00 Encoding of phonology in a recurrent neural model of grounded speech
Afra Alishahi, Marie Barking, and Grzegorz Chrupala
- 15:00–15:15 Multilingual Semantic Parsing And Code-Switching
Long Duong, Hadi Afshar, Dominique Estival, Glen Pink, Philip Cohen, and Mark Johnson
- 15:15–15:30 Optimizing Differentiable Relaxations of Coreference Evaluation Metrics
Phong Le and Ivan Titov

15:30–16:00 **Coffee Break**

Session 5

- 16:00–17:15 Joint Prediction of Morphosyntactic Categories for Fine-Grained Arabic Part-of-Speech Tagging Exploiting Tag Dictionary Information
Go Inoue, Hiroyuki Shindo, and Yuji Matsumoto
- 16:15–16:30 Learning from Relatives: Unified Dialectal Arabic Segmentation
Younes Samih, Mohamed Eldesouki, Mohammed Attia, Kareem Darwish, Ahmed Abdelali, Hamdy Mubarak, and Laura Kallmeyer
- 16:30–17:45 Natural Language Generation for Spoken Dialogue System using RNN Encoder-Decoder Networks
Van-Khanh Tran and Le-Minh Nguyen
- 16:45–17:00 Graph-based Neural Multi-Document Summarization
Michihiro Yasunaga, Rui Zhang, Kshitijh Meelu, Ayush Pareek, Krishnan Srinivasan, and Dragomir Radev
- 17:00–17:15 A Simple and Accurate Syntax-Agnostic Neural Model for Dependency-based Semantic Role Labeling
Diego Marcheggiani, Anton Frolov, and Ivan Titov
- 17:15–17:30 Neural Structural Correspondence Learning for Domain Adaptation
Yftah Ziser and Roi Reichart
- 17:30–17:35 **Best Paper Award**
- 17:35–17:45 **Closing Remarks**

***SEM: Sixth Joint Conference On Lexical And Computational Semantics**

Organizers: *Nancy Ide, Aurélie Herbelot, and Lluís Màrquez*

Venue: Salon 1

Thursday, August 3, 2017

9:00–10:30 **Session S1: Invited Talk (Jointly with SemEval) and Best Paper Award**

9:00–9:15 **Opening Remarks**

9:15–10:15 **Invited Talk: From Naive Physics to Connotation: Modeling Commonsense in Frame Semantics (Yejin Choi)**

10:15–10:30 **Announcement of the Adam Kilgarriff Best Paper Award**

10:30–11:00 **Coffee Break**

11:00–12:30 **Session S2: Distributional Semantics**

11:00–11:30 What Analogies Reveal about Word Vectors and their Compositionality
Gregory Finley, Stephanie Farmer, and Serguei Pakhomov

11:30–12:00 Learning Antonyms with Paraphrases and a Morphology-Aware Neural Network
Sneha Rajana, Chris Callison-Burch, Marianna Apidianaki, and Vered Shwartz

12:00–12:30 Decoding Sentiment from Distributed Representations of Sentences
Edoardo Maria Ponti, Ivan Vulić, and Anna Korhonen

12:30–14:00 **Lunch Break**

14:00–15:30 **Session S3: Lexical Semantics and Lexical Resources**

14:00–14:30 Detecting Asymmetric Semantic Relations in Context: A Case-Study on Hypernymy Detection
Yogarshi Vyas and Marine Carpuat

14:30–15:00 Domain-Specific New Words Detection in Chinese
Ao Chen and Maosong Sun

15:00–15:30 Deep Learning Models For Multiword Expression Identification
Waseem Gharbieh, Virendrakumar Bhavsar, and Paul Cook

15:30–16:00 **Coffee Break**

16:00–16:30 **Session S4: Lexical Semantics and Lexical Resources (continued)**

16:00–16:30 Emotion Intensities in Tweets
Saif M. Mohammad and Felipe Bravo-Marquez

16:30–6:00 **Session S5: Poster Session**

- Deep Active Learning for Dialogue Generation
Nabiha Asghar, Pascal Poupart, Xin Jiang, and Hang Li
- Mapping the Paraphrase Database to WordNet
Anne Cocos, Marianna Apidianaki, and Chris Callison-Burch
- Semantic Frame Labeling with Target-based Neural Model
Yukun Feng, Dong Yu, Jian Xu, and Chunhua Liu

- Frame-Based Continuous Lexical Semantics through Exponential Family Tensor Factorization and Semantic Proto-Roles
Francis Ferraro, Adam Poliak, Ryan Cotterell, and Benjamin Van Durme
- Distributed Prediction of Relations for Entities: The Easy, The Difficult, and The Impossible
Abhijeet Gupta, Gemma Boleda, and Sebastian Padó
- Comparing Approaches for Automatic Question Identification
Angel Maredia, Kara Schechtman, Sarah Ita Levitan, and Julia Hirschberg
- Does Free Word Order Hurt? Assessing the Practical Lexical Function Model for Croatian
Zoran Medić, Jan Šnajder, and Sebastian Padó
- A Mixture Model for Learning Multi-Sense Word Embeddings
Dai Quoc Nguyen, Dat Quoc Nguyen, Ashutosh Modi, Stefan Thater, and Manfred Pinkal
- Aligning Script Events with Narrative Texts
Simon Ostermann, Michael Roth, Stefan Thater, and Manfred Pinkal
- The (too Many) Problems of Analogical Reasoning with Word Vectors
Anna Rogers, Aleksandr Drozd, and Bofang Li
- Semantic Frames and Visual Scenes: Learning Semantic Role Inventories from Image and Video Descriptions
Ekaterina Shutova, Andreas Wundsam, and Helen Yannakoudakis
- Acquiring Predicate Paraphrases from News Tweets
Vered Shwartz, Gabriel Stanovsky, and Ido Dagan
- Evaluating Semantic Parsing against a Simple Web-based Question Answering Model
Alon Talmor, Mor Geva, and Jonathan Berant

Friday, August 4, 2017

9:00–10:30 **Session S6: Invited Talk and Distributional Semantics**

9:00–10:00 **Invited Talk: What Do You Know About an Alligator When You Know the Company It Keeps? (Kratin Erk)**

10:00–10:30 Logical Metonymy in a Distributional Model of Sentence Comprehension
Emmanuele Chersoni, Alessandro Lenci, and Philippe Blache

10:30–11:00 **Coffee Break**

11:00–12:30 **Session S7: Linguistic and Formal Semantics**

11:00–11:30 Double Trouble: The Problem of Construal in Semantic Annotation of Adpositions
Jena D. Hwang, Archna Bhatia, Na-Rae Han, Tim O’Gorman, Vivek Srikanth, and Nathan Schneider

11:30–12:00 Issues of Mass and Count: Dealing with ‘Dual-Life’ Nouns
Tibor Kiss, Francis Jeffry Pelletier, Halima Husic, and Johanna Poppek

12:00–12:30 Parsing Graphs with Regular Graph Grammars
Sorcha Gilroy, Adam Lopez, and Sebastian Maneth

12:30–14:00 **Lunch Break**

14:00–15:30 **Session S8: Representations of Meaning**

14:00–14:30 Embedded Semantic Lexicon Induction with Joint Global and Local Optimization
Sujay Kumar Jauhar and Eduard Hovy

14:30–15:00 Generating Pattern-Based Entailment Graphs for Relation Extraction
Kathrin Eichler, Feiyu Xu, Hans Uszkoreit, and Sebastian Krause

15:00–15:30 Classifying Semantic Clause Types: Modeling Context and Genre Characteristics with Recurrent Neural Networks and Attention
Maria Becker, Michael Staniak, Vivi Nastase, Alexis Palmer, and Anette Frank

15:30–16:00 **Coffee Break**

16:00–17:30 **Session S9: Semantics for Applications**

16:00–16:30 Predictive Linguistic Features of Schizophrenia
Efsun Sarıoglu Kayı, Mona Diab, Luca Pauselli, Michael Compton, and Glen Coppersmith

16:30–17:00 Learning to Solve Geometry Problems from Natural Language Demonstrations in Textbooks
Mrinmaya Sachan and Eric Xing

17:00–17:30 Ways of Asking and Replying in Duplicate Question Detection
João António Rodrigues, Chakaveh Saedi, Vladislav Maraev, João Silva, and António Branco

17:30–17:40 **Closing Remarks**

SemEval: 11th International Workshop on Semantic Evaluation

Organizers: *Steven Bethard, Marine Carpuat, Marianna Apidianaki, Saif M. Mohammad, Daniel Cer, and David Jurgens*

Venue: Salon B

Thursday, August 3, 2017

9:00–9:15 Welcome / Opening Remarks

9:15–10:30 Invited Talk: From Naive Physics to Connotation: Modeling Commonsense in Frame Semantics (Yejin Choi)

10:30–11:00 Coffee

11:00–12:30 Task Descriptions

11:00–11:15 SemEval-2017 Task 1: Semantic Textual Similarity Multilingual and Crosslingual Focused Evaluation

Daniel Cer, Mona Diab, Eneko Agirre, Inigo Lopez-Gazpio, and Lucia Specia

11:15–11:30 SemEval-2017 Task 2: Multilingual and Cross-lingual Semantic Word Similarity

Jose Camacho-Collados, Mohammad Taher Pilehvar, Nigel Collier, and Roberto Navigli

11:30–11:45 SemEval-2017 Task 3: Community Question Answering

Preslav Nakov, Doris Hoogeveen, Lluís Màrquez, Alessandro Moschitti, Hamdy Mubarak, Timothy Baldwin, and Karin Verspoor

11:45–12:00 SemEval-2017 Task 6: #HashtagWars: Learning a Sense of Humor

Peter Potash, Alexey Romanov, and Anna Rumshisky

12:00–12:15 SemEval-2017 Task 7: Detection and Interpretation of English Puns

Tristan Miller, Christian Hempelmann, and Iryna Gurevych

12:15–12:30 SemEval-2017 Task 8: RumourEval: Determining rumour veracity and support for rumours

Leon Derczynski, Kalina Bontcheva, Maria Liakata, Rob Procter, Geraldine Wong Sak Hoi, and Arkaitz Zubiaga

12:30–14:00 Lunch

14:00–15:30 Best Of SemEval

14:00–14:15 BIT at SemEval-2017 Task 1: Using Semantic Information Space to Evaluate Semantic Textual Similarity

Hao Wu, Heyan Huang, Ping Jian, Yuhang Guo, and Chao Su

14:15–14:30 ConceptNet at SemEval-2017 Task 2: Extending Word Embeddings with Multilingual Relational Knowledge

Robert Speer and Joanna Lowry-Duda

14:30–14:45 IIT-UHH at SemEval-2017 Task 3: Exploring Multiple Features for Community Question Answering and Implicit Dialogue Identification

Titas Nandi, Chris Biemann, Seid Muhie Yimam, Deepak Gupta, Sarah Kohail, Asif Ekbal, and Pushpak Bhattacharyya

14:45–15:00 HumorHawk at SemEval-2017 Task 6: Mixing Meaning and Sound for
Humor Recognition
David Donahue, Alexey Romanov, and Anna Rumshisky

15:00–15:15 Idiom Savant at Semeval-2017 Task 7: Detection and Interpretation of
English Puns
Samuel Doogan, Aniruddha Ghosh, Hanyang Chen, and Tony Veale

15:15–15:30 Turing at SemEval-2017 Task 8: Sequential Approach to Rumour Stance
Classification with Branch-LSTM
Elena Kochkina, Maria Liakata, and Isabelle Augenstein

15:30–16:00 **Coffee**

16:00–16:30 **Discussion**

16:30–17:30 **Poster Session**

- CompILIG at SemEval-2017 Task 1: Cross-Language Plagiarism
Detection Methods for Semantic Textual Similarity
Jérémie Ferrero, Laurent Besacier, Didier Schwab, and Frédéric Agnès
- UdL at SemEval-2017 Task 1: Semantic Textual Similarity Estimation of
English Sentence Pairs Using Regression Model over Pairwise Features
*Hussein T. Al-Natsheh, Lucie Martinet, Fabrice Muhlenbach, and
Djamel Abdelkader Zighed*
- DT_Team at SemEval-2017 Task 1: Semantic Similarity Using
Alignments, Sentence-Level Embeddings and Gaussian Mixture Model
Output
*Nabin Maharjan, Rajendra Banjade, Dipesh Gautam, Lasang J. Tamang,
and Vasile Rus*
- FCICU at SemEval-2017 Task 1: Sense-Based Language Independent
Semantic Textual Similarity Approach
Basma Hassan, Samir AbdelRahman, Reem Bahgat, and Ibrahim Farag
- HCTI at SemEval-2017 Task 1: Use convolutional neural network to
evaluate Semantic Textual Similarity
Yang Shao
- LIM-LIG at SemEval-2017 Task 1: Enhancing the Semantic Similarity for
Arabic Sentences with Vectors Weighting
El Moatez Billah NAGOUDI, Jérémie Ferrero, and Didier Schwab
- OPI-JSA at SemEval-2017 Task 1: Application of Ensemble learning for
computing semantic textual similarity
Martyna Śpiewak, Piotr Sobocki, and Daniel Karas
- Lump at SemEval-2017 Task 1: Towards an Interlingua Semantic
Similarity
Cristina España-Bonet and Alberto Barrón-Cedeño
- QLUT at SemEval-2017 Task 1: Semantic Textual Similarity Based on
Word Embeddings
*Fanqing Meng, Wenpeng Lu, Yuteng Zhang, Jinyong Cheng, Yuehan Du,
and Shuwang Han*
- ResSim at SemEval-2017 Task 1: Multilingual Word Representations for
Semantic Textual Similarity
Johannes Bjerva and Robert Östling
- ITNLP-AiKF at SemEval-2017 Task 1: Rich Features Based SVR for
Semantic Textual Similarity Computing
Wenjie Liu, Chengjie Sun, Lei Lin, and Bingquan Liu
- Neobility at SemEval-2017 Task 1: An Attention-based Sentence
Similarity Model
WenLi Zhuang and Ernie Chang

- SEFUHH at SemEval-2017 Task 1: Unsupervised Knowledge-Free Semantic Textual Similarity via Paragraph Vector
Mirela-Stefania Duma and Wolfgang Menzel
- STS-UHH at SemEval-2017 Task 1: Scoring Semantic Textual Similarity Using Supervised and Unsupervised Ensemble
Sarah Kohail, Amr Rekaby Salama, and Chris Biemann
- UMDeep at SemEval-2017 Task 1: End-to-End Shared Weight LSTM Model for Semantic Textual Similarity
Joe Barrow and Denis Peskov
- MITRE at SemEval-2017 Task 1: Simple Semantic Similarity
John Henderson, Elizabeth Merkhofer, Laura Strickhart, and Guido Zarrella
- ECNU at SemEval-2017 Task 1: Leverage Kernel-based Traditional NLP features and Neural Networks to Build a Universal Model for Multilingual and Cross-lingual Semantic Textual Similarity
Junfeng Tian, Zhiheng Zhou, Man Lan, and Yuanbin Wu
- PurdueNLP at SemEval-2017 Task 1: Predicting Semantic Textual Similarity with Paraphrase and Event Embeddings
I-Ta Lee, Mahak Goindani, Chang Li, Di Jin, Kristen Marie Johnson, Xiao Zhang, Maria Leonor Pacheco, and Dan Goldwasser
- RTM at SemEval-2017 Task 1: Referential Translation Machines for Predicting Semantic Similarity
Ergun Biçici
- LIPN-IIMAS at SemEval-2017 Task 1: Subword Embeddings, Attention Recurrent Neural Networks and Cross Word Alignment for Semantic Textual Similarity
Ignacio Arroyo-Fernández and Ivan Vladimir Meza Ruiz
- L2F/INESC-ID at SemEval-2017 Tasks 1 and 2: Lexical and semantic features in word and textual similarity
Pedro Fialho, Hugo Patinho Rodrigues, Luísa Coheur, and Paulo Quaresma
- HCCL at SemEval-2017 Task 2: Combining Multilingual Word Embeddings and Transliteration Model for Semantic Similarity
Jungqing He, Long Wu, Xuemin Zhao, and Yonghong Yan
- Citius at SemEval-2017 Task 2: Cross-Lingual Similarity from Comparable Corpora and Dependency-Based Contexts
Pablo Gamallo
- Jmp8 at SemEval-2017 Task 2: A simple and general distributional approach to estimate word similarity
Josué Melka and Gilles Bernard
- QLUT at SemEval-2017 Task 2: Word Similarity Based on Word Embedding and Knowledge Base
Fanqing Meng, Wenpeng Lu, Yuteng Zhang, Ping Jian, Shumin Shi, and Heyan Huang
- RUFINO at SemEval-2017 Task 2: Cross-lingual lexical similarity by extending PMI and word embeddings systems with a Swadesh’s-like list
Sergio Jimenez, George Dueñas, Lorena Gaitan, and Jorge Segura
- MERALI at SemEval-2017 Task 2 Subtask 1: a Cognitively Inspired approach
Enrico Mensa, Daniele P. Radicioni, and Antonio Lieto
- HHU at SemEval-2017 Task 2: Fast Hash-Based Embeddings for Semantic Word Similarity Assessment
Behrang QasemiZadeh and Laura Kallmeyer

- Mahtab at SemEval-2017 Task 2: Combination of Corpus-based and Knowledge-based Methods to Measure Semantic Word Similarity
Niloofar Ranjbar, Fatemeh Mashhadirajab, Mehrnoush Shamsfard, Rayehesh Hosseini pour, and Aryan Vahid pour
- Sew-Embed at SemEval-2017 Task 2: Language-Independent Concept Representations from a Semantically Enriched Wikipedia
Claudio Delli Bovi and Alessandro Raganato
- Wild Devs' at SemEval-2017 Task 2: Using Neural Networks to Discover Word Similarity
Răzvan-Gabriel Rotari, Ionut Hulub, Stefan Oprea, Mihaela Plamada-Onofrei, Alina Beatrice Lorent, Raluca Preisler, Adrian Iftene, and Diana Trandabat
- TrentoTeam at SemEval-2017 Task 3: An application of Grice Maxims in Ranking Community Question Answers
Mohammed R. H. Qwaider, Abed Alhakim Freihat, and Fausto Giunchiglia
- UPC-USMBA at SemEval-2017 Task 3: Combining multiple approaches for CQA for Arabic
Yassine El Adlouni, Imane Lahbari, Horacio Rodriguez, Mohammed Meknassi, Said Ouattik El Alaoui, and Noureddine Ennahnhai
- Beihang-MSRA at SemEval-2017 Task 3: A Ranking System with Neural Matching Features for Community Question Answering
Wenzheng Feng, Yu Wu, Wei Wu, Zhoujun Li, and Ming Zhou
- MoRS at SemEval-2017 Task 3: Easy to use SVM in Ranking Tasks
Miguel J. Rodrigues and Francisco M Couto
- EICA Team at SemEval-2017 Task 3: Semantic and Metadata-based Features for Community Question Answering
Yufei Xie, Maoquan Wang, Jing Ma, Jian Jiang, and Zhao Lu
- FA3L at SemEval-2017 Task 3: A ThRee Embeddings Recurrent Neural Network for Question Answering
Giuseppe Attardi, Antonio Carta, Federico Errica, Andrea Madotto, and Ludovica Pannitto
- SCIR-QA at SemEval-2017 Task 3: CNN Model Based on Similar and Dissimilar Information between Keywords for Question Similarity
Le Qi, Yu Zhang, and Ting Liu
- LearningToQuestion at SemEval 2017 Task 3: Ranking Similar Questions by Learning to Rank Using Rich Features
Naman Goyal
- SimBow at SemEval-2017 Task 3: Soft-Cosine Semantic Similarity between Questions for Community Question Answering
Delphine Charlet and Geraldine Damanti
- FuRongWang at SemEval-2017 Task 3: Deep Neural Networks for Selecting Relevant Answers in Community Question Answering
Sheng Zhang, Jiajun Cheng, Hui Wang, Xin Zhang, Pei Li, and Zhaoyun Ding
- KeLP at SemEval-2017 Task 3: Learning Pairwise Patterns in Community Question Answering
Simone Filice, Giovanni Da San Martino, and Alessandro Moschitti
- SwissAlps at SemEval-2017 Task 3: Attention-based Convolutional Neural Network for Community Question Answering
Jan Milan Deriu and Mark Cieliebak
- TakeLab-QA at SemEval-2017 Task 3: Classification Experiments for Answer Retrieval in Community QA
Filip Šaina, Tóni Kukurin, Lukrecija Puljić, Mladen Karan, and Jan Šnajder

- GW_QA at SemEval-2017 Task 3: Question Answer Re-ranking on Arabic Fora
Nada Almarwani and Mona Diab
- NLM_NIH at SemEval-2017 Task 3: from Question Entailment to Question Similarity for Community Question Answering
Asma Ben Abacha and Dina Demner-Fushman
- bunji at SemEval-2017 Task 3: Combination of Neural Similarity Features and Comment Plausibility Features
Yuta Koreeda, Takuya Hashito, Yoshiki Niwa, Misa Sato, Toshihiko Yanase, Kenzo Kurotsuchi, and Kohsuke Yanai
- QU-BIGIR at SemEval 2017 Task 3: Using Similarity Features for Arabic Community Question Answering Forums
Marwan Torki, Maram Hasanain, and Tamer Elsayed
- ECNU at SemEval-2017 Task 3: Using Traditional and Deep Learning Methods to Address Community Question Answering Task
Guoshun Wu, Yixuan Sheng, Man Lan, and Yuanbin Wu
- UINSUSKA-TITech at SemEval-2017 Task 3: Exploiting Word Importance Levels for Similarity Features for CQA
Surya Agustian and Hiroya Takamura
- Talla at SemEval-2017 Task 3: Identifying Similar Questions Through Paraphrase Detection
Byron Galbraith, Bhanu Pratap, and Daniel Shank
- QUB at SemEval-2017 Task 6: Cascaded Imbalanced Classification for Humor Analysis in Twitter
Xiwu Han and Gregory Tonner
- Duluth at SemEval-2017 Task 6: Language Models in Humor Detection
Xinru Yan and Ted Pedersen
- DataStories at SemEval-2017 Task 6: Siamese LSTM with Attention for Humorous Text Comparison
Christos Baziotis, Nikos Pelekis, and Christos Doulkeridis
- TakeLab at SemEval-2017 Task 6: #RankingHumorIn4Pages
Marin Kukovačec, Juraj Malenica, Ivan Mršić, Antonio Šnjatović, Domagoj Alagić, and Jan Šnajder
- SRHR at SemEval-2017 Task 6: Word Associations for Humour Recognition
Andrew Cattle and Xiaojuan Ma
- #WarTeam at SemEval-2017 Task 6: Using Neural Networks for Discovering Humorous Tweets
Iuliana Alexandra Fleşcan-Lovin-Arseni, Ramona Andreea Turcu, Cristina Sirbu, Larisa Alexa, Sandra Maria Amarandei, Nichita Herciu, Constantin Scutaru, Diana Trandabat, and Adrian Iftene
- SVNIT SemEval 2017 Task-6: Learning a Sense of Humor Using Supervised Approach
Rutul Mahajan and Mukesh Zaveri
- Duluth at SemEval-2017 Task 7 : Puns Upon a Midnight Dreary, Lexical Semantics for the Weak and Weary
Ted Pedersen
- UWWaterloo at SemEval-2017 Task 7: Locating the Pun Using Syntactic Characteristics and Corpus-based Metrics
Olga Vechtomova
- PunFields at SemEval-2017 Task 7: Employing Roget’s Thesaurus in Automatic Pun Recognition and Interpretation
Elena Mikhalkova and Yuri Karyakin

- JU CSE NLP SemEval 2017 Task 7: Employing Rules to Detect and Interpret English Puns
Aniket Pramanick and Dipankar Das
- N-Hance at SemEval-2017 Task 7: A Computational Approach using Word Association for Puns
Özge Sevgili, Nima Ghotbi, and Selma Tekir
- ELiRF-UPV at SemEval-2017 Task 7: Pun Detection and Interpretation
Lluís-F. Hurtado, Encarna Segarra, Ferran Pla, Pascual Carrasco, and José-Ángel González
- BuzzSaw at SemEval-2017 Task 7: Global vs. Local Context for Interpreting and Locating Homographic English Puns with Sense Embeddings
Dieke Oele and Kilian Evang
- UWAV at SemEval-2017 Task 7: Automated feature-based system for locating puns
Ankit Vadhera
- ECNU at SemEval-2017 Task 7: Using Supervised and Unsupervised Methods to Detect and Locate English Puns
Yuhuan Xiu, Man Lan, and Yuanbin Wu
- Fermi at SemEval-2017 Task 7: Detection and Interpretation of Homographic puns in English Language
Vijayasaradhi Indurthi and Subba Reddy Oota
- UWWaterloo at SemEval-2017 Task 8: Detecting Stance towards Rumours with Topic Independent Features
Hareesh Bahuleyan and Olga Vechtomova
- IKM at SemEval-2017 Task 8: Convolutional Neural Networks for stance detection and rumor verification
Yi-Chin Chen, Zhao-Yang Liu, and Hung-Yu Kao
- NileTMRG at SemEval-2017 Task 8: Determining Rumour and Veracity Support for Rumours on Twitter.
Omar Enayet and Samhaa R. El-Beltagy
- Turing at SemEval-2017 Task 8: Sequential Approach to Rumour Stance Classification with Branch-LSTM
Elena Kochkina, Maria Liakata, and Isabelle Augenstein
- Mama Edha at SemEval-2017 Task 8: Stance Classification with CNN and Rules
Marianela García Lozano, Hanna Lilja, Edward Tjörnhammar, and Maja Karasalo
- DFKI-DKT at SemEval-2017 Task 8: Rumour Detection and Classification using Cascading Heuristics
Ankit Srivastava, Georg Rehm, and Julian Moreno Schneider
- ECNU at SemEval-2017 Task 8: Rumour Evaluation Using Effective Features and Supervised Ensemble Models
Feixiang Wang, Man Lan, and Yuanbin Wu
- IITP at SemEval-2017 Task 8 : A Supervised Approach for Rumour Evaluation
Vikram Singh, Sunny Narayan, Md Shad Akhtar, Asif Ekbal, and Pushpak Bhattacharyya

Friday, August 4, 2017

9:00–9:30 **SemEval 2018 Tasks**

9:30–10:30 **State of SemEval Discussion**

10:30–11:00 **Coffee**

11:00–12:30 **Task Descriptions**

11:00–11:15 SemEval-2017 Task 4: Sentiment Analysis in Twitter
Sara Rosenthal, Noura Farra, and Preslav Nakov

11:15–11:30 SemEval-2017 Task 5: Fine-Grained Sentiment Analysis on Financial Microblogs and News
Keith Cortis, André Freitas, Tobias Daudert, Manuela Huerlimann, Manel Zarrouk, Siegfried Handschuh, and Brian Davis

11:30–11:45 SemEval-2017 Task 9: Abstract Meaning Representation Parsing and Generation
Jonathan May and Jay Priyadarshi

11:45–12:00 SemEval 2017 Task 10: ScienceIE - Extracting Keyphrases and Relations from Scientific Publications
Isabelle Augenstein, Mrinal Das, Sebastian Riedel, Lakshmi Vikraman, and Andrew McCallum

12:00–12:15 SemEval-2017 Task 11: End-User Development using Natural Language
Juliano Sales, Siegfried Handschuh, and André Freitas

12:15–12:30 SemEval-2017 Task 12: Clinical TempEval
Steven Bethard, Guergana Savova, Martha Palmer, and James Pustejovsky

12:30–14:00 **Lunch**

14:00–15:30 **Best Of SemEval**

14:00–14:15 BB_twtr at SemEval-2017 Task 4: Twitter Sentiment Analysis with CNNs and LSTMs
Mathieu Cliche

14:15–14:30 Lancaster A at SemEval-2017 Task 5: Evaluation metrics matter: predicting sentiment from financial news headlines
Andrew Moore and Paul Rayson

14:30–14:45 Sheffield at SemEval-2017 Task 9: Transition-based language generation from AMR.
Gerasimos Lampouras and Andreas Vlachos

14:45–15:00 The AI2 system at SemEval-2017 Task 10 (ScienceIE): semi-supervised end-to-end entity and relation extraction
Waleed Ammar, Matthew Peters, Chandra Bhagavatula, and Russell Power

15:00–15:15 LIMSI-COT at SemEval-2017 Task 12: Neural Architecture for Temporal Information Extraction from Clinical Narratives
Julien Tourille, Olivier Ferret, Xavier Tannier, and Aurélie Névéol

15:30–16:00 **Coffee**

16:00–16:30 **Discussion**

16:30–17:30 **Poster Session**

- OMAM at SemEval-2017 Task 4: Evaluation of English State-of-the-Art Sentiment Analysis Models for Arabic and a New Topic-based Model
Ramy Baly, Gilbert Badaro, Ali Hamdi, Rawan Moukalled, Rita Aoun, Georges El-Khoury, Ahmad Al Sallab, Hazem Hajj, Nizar Habash, Khaled Shaban, and Wassim El-Hajj

- NILC-USP at SemEval-2017 Task 4: A Multi-view Ensemble for Twitter Sentiment Analysis
Edilson Anselmo Corrêa Júnior, Vanessa Queiroz Marinho, and Leandro Borges dos Santos
- deepSA at SemEval-2017 Task 4: Interpolated Deep Neural Networks for Sentiment Analysis in Twitter
Tzu-Hsuan Yang, Tzu-Hsuan Tseng, and Chia-Ping Chen
- NNEMBs at SemEval-2017 Task 4: Neural Twitter Sentiment Classification: a Simple Ensemble Method with Different Embeddings
Yichun Yin, Yangqiu Song, and Ming Zhang
- CrystalNest at SemEval-2017 Task 4: Using Sarcasm Detection for Enhancing Sentiment Classification and Quantification
Raj Kumar Gupta and Yingping Yang
- SINAI at SemEval-2017 Task 4: User based classification
Salud María Jiménez-Zafra, Arturo Montejo-Ráez, Maite Martín, and L. Alfonso Urena López
- HLPUPenn at SemEval-2017 Task 4A: A simple, self-optimizing text classification system combining dense and sparse vectors
Abeed Sarker and Graciela Gonzalez
- ej-sa-2017 at SemEval-2017 Task 4: Experiments for Target oriented Sentiment Analysis in Twitter
Enkhzol Dovdon and José Saías
- SentiME++ at SemEval-2017 Task 4: Stacking State-of-the-Art Classifiers to Enhance Sentiment Classification
Raphael Troncy, Enrico Palumbo, Efstratios Sygkounas, and Giuseppe Rizzo
- Amobee at SemEval-2017 Task 4: Deep Learning System for Sentiment Detection on Twitter
Alon Rozental and Daniel Fleischer
- TWINA at SemEval-2017 Task 4: Twitter Sentiment Analysis with Ensemble Gradient Boost Tree Classifier
Naveen Kumar Laskari and Suresh Kumar Sanampudi
- Tw-StAR at SemEval-2017 Task 4: Sentiment Classification of Arabic Tweets
Hala Mulki, Hatem Haddad, Mourad Gridach, and Ismail Babaoglu
- OMAM at SemEval-2017 Task 4: English Sentiment Analysis with Conditional Random Fields
Chukwuyem Onyibe and Nizar Habash
- Tweester at SemEval-2017 Task 4: Fusion of Semantic-Affective and pairwise classification models for sentiment analysis in Twitter
Athenasia Kolovou, Filippos Kokkinos, Aris Fergadis, Pinelopi Papalampidi, Elias Iosif, Nikolaos Malandrakis, Elisavet Palogiannidi, Haris Papageorgiou, Shrikanth Narayanan, and Alexandros Potamianos
- NRU-HSE at SemEval-2017 Task 4: Tweet Quantification Using Deep Learning Architecture
Nikolay Karpov
- MI&T Lab at SemEval-2017 task 4: An Integrated Training Method of Word Vector for Sentiment Classification
Jingjing Zhao, Yan Yang, and Bing Xu
- SiTAKA at SemEval-2017 Task 4: Sentiment Analysis in Twitter Based on a Rich Set of Features
Mohammed Jabreel and Antonio Moreno

- Senti17 at SemEval-2017 Task 4: Ten Convolutional Neural Network Voters for Tweet Polarity Classification
Hussam Hamdan
- DUTH at SemEval-2017 Task 4: A Voting Classification Approach for Twitter Sentiment Analysis
Symeon Symeonidis, Dimitrios Effrosynidis, John Kordonis, and Avi Arampatzis
- SSN_MLRG1 at SemEval-2017 Task 4: Sentiment Analysis in Twitter Using Multi-Kernel Gaussian Process Classifier
Angel Deborah S, S Milton Rajendram, and T T Mirnalinee
- YNUDLG at SemEval-2017 Task 4: A GRU-SVM Model for Sentiment Classification and Quantification in Twitter
Ming Wang, Biao Chu, Qingxun Liu, and Xiaobing Zhou
- LSIS at SemEval-2017 Task 4: Using Adapted Sentiment Similarity Seed Words for English and Arabic Tweet Polarity Classification
Amal Htait, Sébastien Fournier, and Patrice Bellot
- ELiRF-UPV at SemEval-2017 Task 4: Sentiment Analysis using Deep Learning
José-Ángel González, Ferran Pla, and Lluís-F. Hurtado
- XJSA at SemEval-2017 Task 4: A Deep System for Sentiment Classification in Twitter
Yazhou Hao, YangYang Lan, Yafei Li, and Chen Li
- Adullam at SemEval-2017 Task 4: Sentiment Analyzer Using Lexicon Integrated Convolutional Neural Networks with Attention
Joosung Yoon, Kigon Lyu, and Hyeoncheol Kim
- EICA at SemEval-2017 Task 4: A Simple Convolutional Neural Network for Topic-based Sentiment Classification
Maoquan Wang, Shiyun Chen, Yafei Xie, and Zhao Lu
- funSentiment at SemEval-2017 Task 4: Topic-Based Message Sentiment Classification by Exploiting Word Embeddings, Text Features and Target Contexts
Quanzhi Li, Armineh Nourbakhsh, Xiaomo Liu, Rui Fang, and Sameena Shah
- DataStories at SemEval-2017 Task 4: Deep LSTM with Attention for Message-level and Topic-based Sentiment Analysis
Christos Baziotis, Nikos Pelekis, and Christos Doukeridis
- TwiSe at SemEval-2017 Task 4: Five-point Twitter Sentiment Classification and Quantification
Georgios Balikas
- LIA at SemEval-2017 Task 4: An Ensemble of Neural Networks for Sentiment Classification
Mickael Rouvier
- TopicThunder at SemEval-2017 Task 4: Sentiment Classification Using a Convolutional Neural Network with Distant Supervision
Simon Müller, Tobias Huonder, Jan Milan Deriu, and Mark Cieliebak
- INGEOTEC at SemEval 2017 Task 4: A B4MSA Ensemble based on Genetic Programming for Twitter Sentiment Analysis
Sabino Miranda-Jiménez, Mario Graff, Eric Sadit Tellez, and Daniela Moctezuma
- BUSEM at SemEval-2017 Task 4A Sentiment Analysis with Word Embedding and Long Short Term Memory RNN Approaches
Deger Ayata, Murat Saraclar, and Arzucan Ozgur
- TakeLab at SemEval-2017 Task 4: Recent Deaths and the Power of Nostalgia in Sentiment Analysis in Twitter
David Ložić, Doria Šarić, Ivan Tokić, Zoran Medić, and Jan Šnajder

- NileTMRG at SemEval-2017 Task 4: Arabic Sentiment Analysis
Samhaa R. El-Beltagy, Mona El kalamawy, and Abu Bakr Soliman
 - YNU-HPCC at SemEval 2017 Task 4: Using A Multi-Channel CNN-LSTM Model for Sentiment Classification
Haowei Zhang, Jin Wang, Jixian Zhang, and Xuejie Zhang
 - TSA-INF at SemEval-2017 Task 4: An Ensemble of Deep Learning Architectures Including Lexicon Features for Twitter Sentiment Analysis
Amit Ajit Deshmame and Jasper Friedrichs
 - UCSC-NLP at SemEval-2017 Task 4: Sense n-grams for Sentiment Analysis in Twitter
José Abreu, Iván Castro, Claudia Martínez, Sebastián Oliva, and Yoan Gutiérrez
 - ECNU at SemEval-2017 Task 4: Evaluating Effective Features on Machine Learning Methods for Twitter Message Polarity Classification
Yunxiao Zhou, Man Lan, and Yuanbin Wu
 - Fortia-FBK at SemEval-2017 Task 5: Bullish or Bearish? Inferring Sentiment towards Brands from Financial News Headlines
Youness Mansar, Lorenzo Gatti, Sira Ferradans, Marco Guerini, and Jacopo Staiano
 - SSN_MLRG1 at SemEval-2017 Task 5: Fine-Grained Sentiment Analysis Using Multiple Kernel Gaussian Process Regression Model
Angel Deborah S, S Milton Rajendram, and T T Mirnalinee
 - IBA-Sys at SemEval-2017 Task 5: Fine-Grained Sentiment Analysis on Financial Microblogs and News
Zarmeem Nasim
 - HHU at SemEval-2017 Task 5: Fine-Grained Sentiment Analysis on Financial Data using Machine Learning Methods
Tobias Cabanski, Julia Romberg, and Stefan Conrad
 - INF-UFRGS at SemEval-2017 Task 5: A Supervised Identification of Sentiment Score in Tweets and Headlines
Tiago Zini, Karin Becker, and Marcelo Dias
 - HCS at SemEval-2017 Task 5: Polarity detection in business news using convolutional neural networks
Lidia Pivovarova, Llorenç Escoter, Arto Klami, and Roman Yangarber
 - NLG301 at SemEval-2017 Task 5: Fine-Grained Sentiment Analysis on Financial Microblogs and News
Chung-Chi Chen, Hen-Hsen Huang, and Hsin-Hsi Chen
 - funSentiment at SemEval-2017 Task 5: Fine-Grained Sentiment Analysis on Financial Microblogs Using Word Vectors Built from StockTwits and Twitter
Quanzhi Li, Sameena Shah, Armineh Nourbakhsh, Rui Fang, and Xiaomo Liu
 - SentiHeros at SemEval-2017 Task 5: An application of Sentiment Analysis on Financial Tweets
Narges Tabari, Armin Seyeditabari, and Wlodek Zadrozny
 - DUTH at SemEval-2017 Task 5: Sentiment Predictability in Financial Microblogging and News Articles
Symeon Symeonidis, John Kordonis, Dimitrios Effrosynidis, and Avi Arampatzis
 - TakeLab at SemEval-2017 Task 5: Linear aggregation of word embeddings for fine-grained sentiment analysis of financial news
Leon Rotim, Martin Tutek, and Jan Šnajder
 - UW-FinSent at SemEval-2017 Task 5: Sentiment Analysis on Financial News Headlines using Training Dataset Augmentation
Vineet John and Olga Vechtomova
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- RiTUAL-UH at SemEval-2017 Task 5: Sentiment Analysis on Financial Data Using Neural Networks
Sudipta Kar, Suraj Maharan, and Thamar Solorio
- COMMIT at SemEval-2017 Task 5: Ontology-based Method for Sentiment Analysis of Financial Headlines
Kim Schouten, Flavius Frasincar, and Franciska de Jong
- ECNU at SemEval-2017 Task 5: An Ensemble of Regression Algorithms with Effective Features for Fine-Grained Sentiment Analysis in Financial Domain
Mengxiao Jiang, Man Lan, and Yuanbin Wu
- IITPB at SemEval-2017 Task 5: Sentiment Prediction in Financial Text
Abhishek Kumar, Abhishek Sethi, Md Shad Akhtar, Asif Ekbal, Chris Biemann, and Pushpak Bhattacharyya
- IITP at SemEval-2017 Task 5: An Ensemble of Deep Learning and Feature Based Models for Financial Sentiment Analysis
Deepanway Ghosal, Shobhit Bhatnagar, Md Shad Akhtar, Asif Ekbal, and Pushpak Bhattacharyya
- FEUP at SemEval-2017 Task 5: Predicting Sentiment Polarity and Intensity with Financial Word Embeddings
Pedro Saleiro, Eduarda Mendes Rodrigues, Carlos Soares, and Eugénio Oliveira
- UIT-DANGNT-CLNLP at SemEval-2017 Task 9: Building Scientific Concept Fixing Patterns for Improving CAMR
Khoa Nguyen and Dang Nguyen
- Oxford at SemEval-2017 Task 9: Neural AMR Parsing with Pointer-Augmented Attention
Jan Buys and Phil Blunsom
- FORGe at SemEval-2017 Task 9: Deep sentence generation based on a sequence of graph transducers
Simon Mille, Roberto Carlini, Alicia Burga, and Leo Wanner
- RIGOTRIO at SemEval-2017 Task 9: Combining Machine Learning and Grammar Engineering for AMR Parsing and Generation
Normunds Gružitis, Didzis Gosko, and Gunīts Barzdins
- The Meaning Factory at SemEval-2017 Task 9: Producing AMRs with Neural Semantic Parsing
Rik van Noord and Johan Bos
- PKU_ICL at SemEval-2017 Task 10: Keyphrase Extraction with Model Ensemble and External Knowledge
Liang Wang and Sujian Li
- NTNU-1ScienceIE at SemEval-2017 Task 10: Identifying and Labelling Keyphrases with Conditional Random Fields
Erwin Marsi, Utpal Kumar Sikdar, Cristina Marco, Biswanath Barik, and Rune Sætre
- EELECTION at SemEval-2017 Task 10: Ensemble of nEural Learners for kEyphrase Classification
Steffen Eger, Erik-Lán Do Dinh, Ilia Kuznetsov, Masoud Kiaeeha, and Iryna Gurevych
- LABDA at SemEval-2017 Task 10: Extracting Keyphrases from Scientific Publications by combining the BANNER tool and the UMLS Semantic Network
Isabel Segura-Bedmar, Cristóbal Colón-Ruiz, and Paloma Martínez
- The NTNU System at SemEval-2017 Task 10: Extracting Keyphrases and Relations from Scientific Publications Using Multiple Conditional Random Fields
Lung-Hao Lee, Kuei-Ching Lee, and Yuen-Hsien Tseng

- MayoNLP at SemEval 2017 Task 10: Word Embedding Distance Pattern for Keyphrase Classification in Scientific Publications
Sijia Liu, Feichen Shen, Vipin Chaudhary, and Hongfang Liu
- Know-Center at SemEval-2017 Task 10: Sequence Classification with the CODE Annotator
Roman Kern, Stefan Falk, and Andi Rexha
- NTNU-2 at SemEval-2017 Task 10: Identifying Synonym and Hyponym Relations among Keyphrases in Scientific Documents
Biswanath Barik and Erwin Marsi
- LABDA at SemEval-2017 Task 10: Relation Classification between keyphrases via Convolutional Neural Network
Victor Suárez-Paniagua, Isabel Segura-Bedmar, and Paloma Martínez
- WING-NUS at SemEval-2017 Task 10: Keyphrase Extraction and Classification as Joint Sequence Labeling
Animesh Prasad and Min-Yen Kan
- MIT at SemEval-2017 Task 10: Relation Extraction with Convolutional Neural Networks
Ji Young Lee, Franck Dernoncourt, and Peter Szolovits
- TTI-COIN at SemEval-2017 Task 10: Investigating Embeddings for End-to-End Relation Extraction from Scientific Papers
Tomoki Tsujimura, Makoto Miwa, and Yutaka Sasaki
- SZTE-NLP at SemEval-2017 Task 10: A High Precision Sequence Model for Keyphrase Extraction Utilizing Sparse Coding for Feature Generation
Gábor Berend
- LIPN at SemEval-2017 Task 10: Filtering Candidate Keyphrases from Scientific Publications with Part-of-Speech Tag Sequences to Train a Sequence Labeling Model
Simon David Hernandez, Davide Buscaldi, and Thierry Charnois
- EUDAMU at SemEval-2017 Task 11: Action Ranking and Type Matching for End-User Development
Marek Kubis, Paweł Skórzewski, and Tomasz Ziętkiewicz
- Hitachi at SemEval-2017 Task 12: System for temporal information extraction from clinical notes
Sarath P R, Manikandan R, and Yoshiki Niwa
- NTU-1 at SemEval-2017 Task 12: Detection and classification of temporal events in clinical data with domain adaptation
Po-Yu Huang, Hen-Hsen Huang, Yu-Wun Wang, Ching Huang, and Hsin-Hsi Chen
- XJNLP at SemEval-2017 Task 12: Clinical temporal information ex-traction with a Hybrid Model
Yu Long, Zhijing Li, Xuan Wang, and Chen Li
- ULISBOA at SemEval-2017 Task 12: Extraction and classification of temporal expressions and events
Andre Lamuriás, Diana Sousa, Sofia Pereira, Luka Clarke, and Francisco M Couto
- GUIR at SemEval-2017 Task 12: A Framework for Cross-Domain Clinical Temporal Information Extraction
Sean MacAvaney, Arman Cohan, and Nazli Goharian
- KULEuven-LIIR at SemEval-2017 Task 12: Cross-Domain Temporal Information Extraction from Clinical Records
Artuur Leeuwenberg and Marie-Francine Moens

BUCC: 10th Workshop on Building and Using Comparable Corpora

Organizers: *Serge Sharoff, Pierre Zweigenbaum, and Reinhard Rapp*

Venue: Cypress 1

Thursday, August 3, 2017

9:00-9:05 **Opening**

9:05-10:00 **Invited presentation**

- Users and Data: The Two Neglected Children of Bilingual Natural Language Processing Research
Philippe Langlais

10:00-10:30 **Session 1: Plagiarism detection**

- Deep Investigation of Cross-Language Plagiarism Detection Methods
Jérémie Ferrero, Laurent Besacier, Didier Schwab, and Frédéric Agnès

10:30-11:00 **Coffee break**

11:00-12:00 **Session 2: Sentence alignment and lexicon acquisition**

- Sentence Alignment using Unfolding Recursive Autoencoders
Jeenu Grover and Pabitra Mitra
- Acquisition of Translation Lexicons for Historically Unwritten Languages via Bridging Loanwords
Michael Bloodgood and Benjamin Strauss

12:00-2:00 **Lunch**

2:00-3:30 **Session 3: Building comparable corpora**

- Toward a Comparable Corpus of Latvian, Russian and English Tweets
Dmitrijs Milajevs
- Automatic Extraction of Parallel Speech Corpora from Dubbed Movies
Alp Öktem, Mireia Farrús, and Leo Wanner
- A parallel collection of clinical trials in Portuguese and English
Mariana Neves

3:30-4:00 **Coffee break**

4:00-5:40 **Session 4: Shared task session**

- Weighted Set-Theoretic Alignment of Comparable Sentences
Andoni Azpeitia, Thierry Etcheゴyhen, and Eva Martínez García
- BUCC 2017 Shared Task: a First Attempt Toward a Deep Learning Framework for Identifying Parallel Sentences in Comparable Corpora
Francis Grégoire and Philippe Langlais
- zNLP: Identifying Parallel Sentences in Chinese-English Comparable Corpora
Zheng Zhang and Pierre Zweigenbaum
- BUCC2017: A Hybrid Approach for Identifying Parallel Sentences in Comparable Corpora
Sainik Mahata, Dipankar Das, and Sivaji Bandyopadhyay

- Overview of the Second BUCC Shared Task: Spotting Parallel Sentences in Comparable Corpora

Pierre Zweigenbaum, Serge Sharoff, and Reinhard Rapp

5:40-5:50 **Closing**

CLPsych: Computational Linguistics and Clinical Psychology – From Linguistic Signal to Clinical Reality

Organizers: *Kristy Hollingshead, Molly E. Ireland, and Kate Loveys*

Venue: Cypress 2

Thursday, August 3, 2017

9:00–9:20 **Opening Remarks (Kristy Hollingshead, Molly E. Ireland, and Kate Loveys)**

9:20–10:30 **Session: Oral Presentations 1**

- A Cross-modal Review of Indicators for Depression Detection Systems
Michelle Morales, Stefan Scherer, and Rivka Levitan
- In your wildest dreams: the language and psychological features of dreams
Kate Niederhoffer, Jonathan Schler, Patrick Crutchley, Kate Loveys, and Glen Coppersmith

11:00–12:15 **Session: Poster Presentations**

- A Corpus Analysis of Social Connections and Social Isolation in Adolescents Suffering from Depressive Disorders
Jia-Wen Guo, Danielle L Mowery, Djin Lai, Katherine Sward, and Mike Conway
- Monitoring Tweets for Depression to Detect At-risk Users
Zunaira Jamil, Diana Inkpen, Prasadith Buddhitha, and Kenton White
- Examining Sentiment and Depression in Survivors of Intimate Partner Violence
Joseph Costello, Catherine Kothari, Duncan Vos, Richard Brandt, and Angie Moe
- Ethical Challenges in Algorithmic Inference of Mental Illness with Large-Scale Social Data
Stevie Chancellor, Vincent Silenzio, Eric Caine, and Munmun De Choudhury
- Validation of Twitter Self-Statement Models of Mental Health against Patient Medical Records
Glen Coppersmith, Patrick Crutchley, Raina M. Merchant, and H. Andrew Schwartz
- Language Style Matching in Subclinically Depressed and Anxious Participants' Responses to Social Media-Style Posts
Taleen Nalabandian and Molly E. Ireland

13:45–14:30 **Session: Mini-Oral Presentations**

- Investigating Patient Attitudes Towards the use of Social Media Data to Augment Depression Diagnosis and Treatment: a Qualitative Study
Jude Mikal, Samantha Hurst, and Mike Conway
- Natural-language Interactive Narratives in Imaginal Exposure Therapy for Obsessive-Compulsive Disorder
Melissa Roemmle, Paola Mardo, and Andrew Gordon
- Detecting Anxiety through Reddit
Judy Hanwen Shen and Frank Rudzicz

- Detecting and Explaining Crisis
Rohan Kshirsagar, Robert Morris, and Samuel Bowman

14:30–15:30 Session: Oral Presentations 2

- A Dictionary-Based Comparison of Autobiographies by People and Murderous Monsters
Micah Iserman and Molly E. Ireland
- Small but Mighty: Affective Micropatterns for Quantifying Mental Health from Social Media Language
Kate Loveys, Patrick Crutchley, Emily Wyatt, and Glen Coppersmith

16:00–17:00 CLPsych2017 Shared Task: Results & Open Discussion (David Milne)

17:00–17:30 Closing Remarks

NLP+CSS: Workshops on Natural Language Processing and Computational Social Science

Organizers: *David Bamman, A. Seza Doğruöz, Dirk Hovy, David Jurgens, Brendan O'Connor, Oren Tsur, and Svitlana Volkova*

Venue: Salon 3

Thursday, August 3, 2017

9:00–10:30 **Session 1**

9:00–9:15 **Welcome (Organizers)**

9:15–10:00 **Invited Talk 1**

10:00–10:30 **Spotlight Paper Session**

10:00–10:15 Language-independent Gender Prediction on Twitter
Nikola Ljubešić, Darja Fišer, and Tomaž Erjavec

10:15–10:30 When does a compliment become sexist? Analysis and classification of ambivalent sexism using twitter data
Akshita Jha and Radhika Mamidi

10:30–11:00 **Morning coffee break**

11:00–12:15 **Session 2**

11:00–11:45 **Invited Talk: Measuring Psychological Traits using Social Media (Lyle Ungar)**

11:45–12:15 **Spotlight Paper Session**

11:45–12:00 Personality Driven Differences in Paraphrase Preference
Daniel Preoțiuc-Pietro, Jordan Carpenter, and Lyle Ungar

12:00–12:15 **Never Tell Me the Odds: How Belief Dynamics Shape Audience Experience (non-archival) (Shengli Hu)**

12:15–14:00 **Lunch break**

14:00–15:30 **Session 3**

14:00–14:45 **Invited Talk: The War on Facts (Gideon Mann)**

14:45–3:30 **One-minute-madness paper presentation**

14:45–14:48 community2vec: Vector representations of online communities encode semantic relationships
Trevor Martin

14:48–14:51 Telling Apart Tweets Associated with Controversial versus Non-Controversial Topics
Aseel Addawood, Rezvaneh Rezapour, Omid Abdar, and Jana Diesner

14:51–14:54 Cross-Lingual Classification of Topics in Political Texts
Goran Glavaš, Federico Nanni, and Simone Paolo Ponzetto

14:54–14:57 **The Role of Network Structure for Gender Prediction (non-archival) (Kristen M. Altenburger and Johan Ugander)**

- 14:57–15:00 **The Role of Party and Incumbency in Identification of Argumentation Strategies in Political Debate (non-archival)** (*Justin Garten, Kenji Sagae, Zahra Kamel, Nitika Awasthi and Morteza Dehghani*)
- 15:00–15:03 Mining Social Science Publications for Survey Variables
Andrea Zielinski and Peter Mutschke
- 15:03–15:06 Linguistic Markers of Influence in Informal Interactions
Shrimai Prabhunoye, Samridhi Choudhary, Evangelia Spiliopoulou, Christopher Bogart, Carolyn Rose, and Alan W Black
- 15:06–15:09 Non-lexical Features Encode Political Affiliation on Twitter
Rachael Tatman, Leo Stewart, Amandalyne Paullada, and Emma Spiro
- 15:09–15:12 **Syntactic Alignment in Power Relations (non-archival)** (*Reihane Boghrati, Justin Garten and Morteza Dehghani*)
- 15:12–15:15 Modelling Participation in Small Group Social Sequences with Markov Rewards Analysis
Gabriel Murray
- 15:15–15:18 Code-Switching as a Social Act: The Case of Arabic Wikipedia Talk Pages
Michael Yoder, Shruti Rijhwani, Carolyn Rosé, and Lori Levin
- 15:18–15:21 How Does Twitter User Behavior Vary Across Demographic Groups?
Zach Wood-Doughty, Michael Smith, David Broniatowski, and Mark Dredze
- 15:21–15:24 Ideological Phrase Indicators for Classification of Political Discourse Framing on Twitter
Kristen Marie Johnson, I-Ta Lee, and Dan Goldwasser
- 15:24–15:27 **Market Evolution of Sharing Economy vs. Traditional Platforms: A Natural Language Processing Approach** (*Mohsen Mosleh and Babak Heydari*)
- 15:30–16:45 **Coffee break and posters**
- 16:45–17:45 **Session 4**
- 16:45–17:30 **Invited Talk (Brandon Stewart)**
- 17:30–17:45 **Closing remarks and wrap-up (Organizers)**

Repl4NLP: 2nd Workshop on Representation Learning for NLP

Organizers: *Phil Blunsom, Antoine Bordes, Kyunghyun Cho, Shay Cohen, Chris Dyer, Edward Grefenstette, Karl Moritz Hermann, Laura Rimell, Jason Weston, and Wen-tau Yih*

Venue: Salon C

Thursday, August 3, 2017

9:30–9:45 Welcome and Opening Remarks

9:45–10:30 Keynote Session

9:45–10:30 Learning Joint Embeddings of Vision and Language (Sanja Fidler)

10:30–11:00 Coffee Break

11:00–12:30 Keynote Session

11:00–11:45 Learning Representations of Social Meaning (Jacob Eisenstein)

11:45–12:30 Representations in the Brain (Alona Fyshe)

12:30–14:00 Lunch

14:00–14:45 Keynote Session

14:00–14:45 “A million ways to say I love you” or Learning to Paraphrase with Neural Machine Translation (Mirella Lapata)

14:45–15:00 Best Paper Session

15:00–16:30 Poster Session, including Coffee Break

- Sense Contextualization in a Dependency-Based Compositional Distributional Model
Pablo Gamallo
- Context encoders as a simple but powerful extension of word2vec
Franziska Horn
- Active Discriminative Text Representation Learning
Ye Zhang, Matthew Lease, and Byron Wallace
- Using millions of emoji occurrences to pretrain any-domain models for detecting emotion, sentiment and sarcasm
Bjarke Felbo, Alan Mislove, Anders Søgaard, Iyad Rahwan, and Sune Lehmann
- Evaluating Layers of Representation in Neural Machine Translation on Syntactic and Semantic Tagging
Yonatan Belinkov, Lluís Márquez, Hassan Sajjad, Nadir Durrani, Fahim Dalvi, and James Glass
- Machine Comprehension by Text-to-Text Neural Question Generation
Xingdi Yuan, Tong Wang, Caglar Gulcehre, Alessandro Sordoni, Philip Bachman, Saizheng Zhang, Sandeep Subramanian, and Adam Trischler
- Emergent Predication Structure in Hidden State Vectors of Neural Readers
Hai Wang, Takeshi Onishi, Kevin Gimpel, and David McAllester

- Towards Harnessing Memory Networks for Coreference Resolution
Joe Cheri and Pushpak Bhattacharyya
 - Combining Word-Level and Character-Level Representations for Relation Classification of Informal Text
Dongyun Liang, Weiran Xu, and Ying Zhao
 - Regularized Topic Models for Sparse Interpretable Word Embeddings
Anna Potapenko and Artem Popov
 - Man is Computer Programmer as Woman is to Homemaker? Debiasing Word Embeddings
Tolga Bolukbasi, Kai-Wei Chang, James Zou, Venkatesh Saligrama, and Adam T. Kalai
 - Transfer Learning for Neural Semantic Parsing
Xing Fan, Emilio Monti, Lamberti Mathias, and Markus Dreyer
 - MUSE: Modularizing Unsupervised Sense Embeddings
Guang-He Lee and Yun-Nung Chen
 - Modeling Large-Scale Structured Relationships with Shared Memory for Knowledge Base Completion
Yelong Shen, Po-Sen Huang, Ming-Wei Chang, and Jianfeng Gao
 - Knowledge Base Completion: Baselines Strike Back
Rudolf Kadlec, Ondrej Bajgar, and Jan Kleindienst
 - Sequential Attention: A Context-Aware Alignment Function for Machine Reading
Sebastian Brarda, Philip Yeres, and Samuel Bowman
 - Semantic Vector Encoding and Similarity Search Using Fulltext Search Engines
Jan Rygl, Jan Pomíkálek, Radim Řehůřek, Michal Růžička, Vít Novotný, and Petr Sojka
 - Multi-task Domain Adaptation for Sequence Tagging
Nanyun Peng and Mark Dredze
 - Beyond Bilingual: Multi-sense Word Embeddings using Multilingual Context
Shyam Upadhyay, Kai-Wei Chang, Matt Taddy, Adam Kalai, and James Zou
 - DocTag2Vec: An Embedding Based Multi-label Learning Approach for Document Tagging
Sheng Chen, Akshay Soni, Aasish Pappu, and Yashar Mehdad
 - Binary Paragraph Vectors
Karol Grzegorczyk and Marcin Kurzziel
 - Representing Compositionality based on Multiple Timescales Gated Recurrent Neural Networks with Adaptive Temporal Hierarchy for Character-Level Language Models
Dennis Singh Moirangthem, Jegyung Son, and Minho Lee
 - Learning Bilingual Projections of Embeddings for Vocabulary Expansion in Machine Translation
Pranava Swaroop Madhyastha and Cristina España-Bonet
 - Learning to Compose Words into Sentences with Reinforcement Learning
Dani Yogatama, Phil Blunsom, Chris Dyer, Edward Grefenstette, and Wang Ling
 - Prediction of Frame-to-Frame Relations in the FrameNet Hierarchy with Frame Embeddings
Teresa Botschen, Hatem Mousselly Sergieh, and Iryna Gurevych
 - Learning Joint Multilingual Sentence Representations with Neural Machine Translation
Holger Schwenk and Matthijs Douze
-

- Transfer Learning for Speech Recognition on a Budget
Julius Kunze, Louis Kirsch, Ilia Kurenkov, Andreas Krug, Jens Johannsmeier, and Sebastian Stober
- Gradual Learning of Matrix-Space Models of Language for Sentiment Analysis
Shima Asaadi and Sebastian Rudolph
- Improving Language Modeling using Densely Connected Recurrent Neural Networks
Frédéric Godin, Joni Dambre, and Wesley De Neve
- NewsQA: A Machine Comprehension Dataset
Adam Trischler, Tong Wang, Xingdi Yuan, Justin Harris, Alessandro Sordoni, Philip Bachman, and Kaheer Suleman
- Intrinsic and Extrinsic Evaluation of Spatiotemporal Text Representations in Twitter Streams
Lawrence Phillips, Kyle Shaffer, Dustin Arendt, Nathan Hadas, and Svitlana Volkova
- Rethinking Skip-thought: A Neighborhood based Approach
Shuai Tang, Hailin Jin, Chen Fang, Zhaowen Wang, and Virginia de Sa
- A Frame Tracking Model for Memory-Enhanced Dialogue Systems
Hannes Schulz, Jeremie Zumer, Layla El Asri, and Shikhar Sharma
- Plan, Attend, Generate: Character-Level Neural Machine Translation with Planning
Caglar Gulcehre, Francis Dutil, Adam Trischler, and Yoshua Bengio
- Does the Geometry of Word Embeddings Help Document Classification? A Case Study on Persistent Homology-Based Representations
Paul Michel, Abhilasha Ravichander, and Shruti Rijhwani
- Adversarial Generation of Natural Language
Sandeep Subramanian, Sai Rajeswar, Francis Dutil, Chris Pal, and Aaron Courville
- Deep Active Learning for Named Entity Recognition
Yanyao Shen, Hyokun Yun, Zachary Lipton, Yakov Kronrod, and Animashree Anandkumar
- The Coadaptation Problem when Learning How and What to Compose
Andrew Drozdov and Samuel Bowman
- Learning when to skim and when to read
Alexander Johansen and Richard Socher
- Learning to Embed Words in Context for Syntactic Tasks
Lifu Tu, Kevin Gimpel, and Karen Livescu

16:30–17:30 **Panel Discussion**

17:30–17:40 **Closing Remarks**

RoboNLP: Language Grounding for Robotics

Organizers: *Mohit Bansal, Cynthia Matuszek, Jacob Andreas, Yoav Artzi, and Yonatan Bisk*

Venue: Salon 2

- Grounding Language for Interactive Task Learning
Peter Lindes, Aaron Mininger, James R. Kirk, and John E. Laird
- Learning how to Learn: An Adaptive Dialogue Agent for Incrementally Learning Visually Grounded Word Meanings
Yanchao Yu, Arash Eshghi, and Oliver Lemon
- Guiding Interaction Behaviors for Multi-modal Grounded Language Learning
Jesse Thomason, Jivko Sinapov, and Raymond Mooney
- Structured Learning for Context-aware Spoken Language Understanding of Robotic Commands
Andrea Vanzo, Danilo Croce, Roberto Basili, and Daniele Nardi
- Natural Language Grounding and Grammar Induction for Robotic Manipulation Commands
Muhammad Alomari, Paul Duckworth, Majd Hawasly, David C. Hogg, and Anthony G. Cohn
- Communication with Robots using Multilayer Recurrent Networks
Bedřich Pišl and David Mareček
- Grounding Symbols in Multi-Modal Instructions
Yordan Hristov, Svetlin Penkov, Alex Lascarides, and Subramanian Ramamoorthy
- Exploring Variation of Natural Human Commands to a Robot in a Collaborative Navigation Task
Matthew Marge, Claire Bonial, Ashley Fooths, Cory Hayes, Cassidy Henry, Kimberly Pollard, Ron Artstein, Clare Voss, and David Traum
- A Tale of Two DRAGGNs: A Hybrid Approach for Interpreting Action-Oriented and Goal-Oriented Instructions
Siddharth Karamcheti, Edward Clem Williams, Dilip Arumugam, Mina Rhee, Nakul Gopalan, Lawson L.S. Wong, and Stefanie Tellex
- Are Distributional Representations Ready for the Real World? Evaluating Word Vectors for Grounded Perceptual Meaning
Li Lucy and Jon Gauthier
- Sympathy Begins with a Smile, Intelligence Begins with a Word: Use of Multimodal Features in Spoken Human-Robot Interaction
Jekaterina Novikova, Christian Dondrup, Ioannis Papaioannou, and Oliver Lemon
- Towards Problem Solving Agents that Communicate and Learn
Anjali Narayan-Chen, Colin Gruber, Mayukh Das, Md Rakibul Islam, Soham Dan, Sriraam Natarajan, Janardhan Rao Doppa, Julia Hockenmaier, Martha Palmer, and Dan Roth

TextGraphs-11: Graph-based Methods for Natural Language Processing

Organizers: *Martin Riedl, Swapna Somasundaran, Goran Glavaš, and Eduard Hovy*

Venue: Mackenzie

Thursday, August 3, 2017

9:00–9:10 **Opening remarks (Swapna Somasundaran and Goran Glavaš)**

9:10–10:10 **Invited talk (Apoorv Agarwal)**

10:10–10:30 On the “Calligraphy” of Books

Vanessa Queiroz Marinho, Henrique Ferraz de Arruda, Thales Sinelli, Luciano da Fontoura Costa, and Diego Raphael Amancio

10:30–11:00 **Coffee break**

11:00–11:20 Adapting predominant and novel sense discovery algorithms for identifying corpus-specific sense differences

Binny Mathew, Suman Kalyan Maity, Pratip Sarkar, Animesh Mukherjee, and Pawan Goyal

11:20–11:40 Merging knowledge bases in different languages

Jerónimo Hernández-González, Estevam R. Hruschka Jr., and Tom M. Mitchell

11:40–12:00 Parameter Free Hierarchical Graph-Based Clustering for Analyzing Continuous Word Embeddings

Thomas Alexander Trost and Dietrich Klakow

12:00–12:15 Spectral Graph-Based Method of Multimodal Word Embedding

Kazuki Fukui, Takamasa Oshikiri, and Hidetoshi Shimodaira

12:15–14:00 **Lunch**

14:00–15:00 **Invited talk (Michael Strube)**

15:00–15:15 Graph Methods for Multilingual FrameNets

Collin Baker and Michael Ellsworth

15:15–15:30 Extract with Order for Coherent Multi-Document Summarization

Mir Tafseer Nayeem and Yllias Chali

15:30–16:00 **Coffee break**

16:00–16:20 Work Hard, Play Hard: Email Classification on the Avocado and Enron Corpora

Sakhar Alkhereyf and Owen Rambow

16:20–16:40 A Graph Based Semi-Supervised Approach for Analysis of Derivational Nouns in Sanskrit

Amrit Krishna, Pavankumar Satuluri, Harshavardhan Ponnada, Muneeb Ahmed, Gulab Arora, Kaustubh Hiware, and Pawan Goyal

16:40–17:00 Evaluating text coherence based on semantic similarity graph

Jan Wira Gotama Putra and Takenobu Tokunaga

17:00–17:10 **Best paper award and closing remarks (Swapna Somasundaran and Goran Glavaš)**

ALW1: 1st Workshop on Abusive Language Online

Organizers: Zeerak Waseem, Wendy Hui Kyong Chun, Dirk Hovy, and Joel Tetreault

Venue: Mackenzie

Friday, August 4, 2017

8:45–9:05 **Opening Remarks**

9:05–9:50 **Invited Talk A: Carol Todd**

9:50–10:35 **Panel A: Sora Han, Liz Losh, Lucas Dixon**

10:35–11:00 **Break**

11:00–12:30 **Paper Presentations**

11:00–11:20 Dimensions of Abusive Language on Twitter
Isobelle Clarke and Dr. Jack Grieve

11:20–11:40 Constructive Language in News Comments
Varada Kolhatkar and Maite Taboada

11:40–12:00 Rephrasing Profanity in Chinese Text
Hui-Po Su, Zhen-Jie Huang, Hao-Tsung Chang, and Chuan-Jie Lin

12:00–12:20 Deep Learning for User Comment Moderation
John Pavlopoulos, Prodromos Malakasiotis, and Ion Androutsopoulos

12:20–14:00 **Lunch**

14:00–15:30 **Poster Session**

- Class-based Prediction Errors to Detect Hate Speech with Out-of-vocabulary Words
Joan Serrà, Ilias Leontiadis, Dimitris Spathis, Gianluca Stringhini, Jeremy Blackburn, and Athena Vakali
- One-step and Two-step Classification for Abusive Language Detection on Twitter
Ji Ho Park and Pascale Fung
- Legal Framework, Dataset and Annotation Schema for Socially Unacceptable Online Discourse Practices in Slovene
Darja Fišer, Tomaž Erjavec, and Nikola Ljubešić
- Abusive Language Detection on Arabic Social Media
Hamdy Mubarak, Kareem Darwish, and Walid Magdy
- Vectors for Counterspeech on Twitter
Lucas Wright, Derek Ruths, Kelly P Dillon, Haji Mohammad Saleem, and Susan Benesch
- Detecting Nastiness in Social Media
Nilofar Safi Samghabadi, Suraj Maharjan, Alan Sprague, Raquel Diaz-Sprague, and Thamar Solorio
- Technology Solutions to Combat Online Harassment
George Kennedy, Andrew McCollough, Edward Dixon, Alexei Bastidas, John Ryan, Chris Loo, and Saurav Sahay
- Understanding Abuse: A Typology of Abusive Language Detection Subtasks
Zeerak Waseem, Thomas Davidson, Dana Warmsley, and Ingmar Weber

- Using Convolutional Neural Networks to Classify Hate-Speech
Björn Gambäck and Utpal Kumar Sikdar
- Illegal is not a Noun: Linguistic Form for Detection of Pejorative Nominalizations
Alexis Palmer, Melissa Robinson, and Kristy K. Phillips

15:30–16:00 **Break**

16:00–16:45 **Invited Talk B: Brianna Wu**

16:45–17:30 **Panel B: Pascale Fung, Vinodkumar Prabhakaran, Jacqueline Wernimont, Margeret Mitchell**

17:30–17:40 **Closing Remarks**

BioNLP: Workshop on Biomedical Natural Language Processing

Organizers: *Kevin Bretonnel Cohen, Dina Demner-Fushman, Sophia Ananiadou, and Jun-ichi Tsujii*

Venue: Salon 3

Friday, August 4, 2017

8:30–8:45 **Opening remarks**

8:45–10:30 **Session 1: Prediction and relation extraction**

8:45–9:00 Target word prediction and paraphasia classification in spoken discourse

Joel Adams, Steven Bedrick, Gerasimos Fergadiotis, Kyle Gorman, and Jan van Santen

9:00–9:15 Extracting Drug-Drug Interactions with Attention CNNs

Masaki Asada, Makoto Miwa, and Yutaka Sasaki

9:15–9:30 Insights into Analogy Completion from the Biomedical Domain

Denis Newman-Griffis, Albert Lai, and Eric Fosler-Lussier

9:30–9:45 Deep learning for extracting protein-protein interactions from biomedical literature

Yifan Peng and Zhiyong Lu

9:45–10:00 Stacking With Auxiliary Features for Entity Linking in the Medical Domain

Nazneen Fatema Rajani, Mihaela Bornea, and Ken Barker

10:00–10:30 **Invited Talk: “Results of the 5th edition of BioASQ Challenge” – Georgios Palouras**

- Results of the fifth edition of the BioASQ Challenge

Anastasios Nentidis, Konstantinos Bougiatiotis, Anastasia Krithara, Georgios Palouras, and Ioannis Kakadiaris

10:30–11:00 **Coffee Break**

11:00–12:30 **Session 2: BioASQ 2017 and more**

11:00–11:15 Tackling Biomedical Text Summarization: OAQA at BioASQ 5B

Khyathi Chandu, Aakanksha Naik, Aditya Chandrasekar, Zi Yang, Niloy Gupta, and Eric Nyberg

11:15–11:30 Macquarie University at BioASQ 5b – Query-based Summarisation Techniques for Selecting the Ideal Answers

Diego Molla

11:30–11:45 Neural Question Answering at BioASQ 5B

Georg Wiese, Dirk Weissenborn, and Mariana Neves

11:45–12:00 End-to-End System for Bacteria Habitat Extraction

Farrokh Mehryary, Kai Hakala, Suwisa Kaewphan, Jari Björne, Tapio Salakoski, and Filip Ginter

12:00–12:15 Creation and evaluation of a dictionary-based tagger for virus species and proteins

Helen Cook, Rudolfs Berzins, Cristina Leal Rodriguez, Juan Miguel Cejuela, and Lars Juhl Jensen

12:15–12:30 Representation of complex terms in a vector space structured by an ontology for a normalization task

Arnaud Ferré, Pierre Zweigenbaum, and Claire Nédellec

12:30–14:00 **Lunch break**

14:00–15:30 **Session 3: From bio to clinical NLP**

14:00–14:15 Improving Correlation with Human Judgments by Integrating Semantic Similarity with Second-Order Vectors

Bridget McInnes and Ted Pedersen

14:15–14:30 Proactive Learning for Named Entity Recognition

Maolin Li, Nhung Nguyen, and Sophia Ananiadou

14:30–14:45 Biomedical Event Extraction using Abstract Meaning Representation

Sudha Rao, Daniel Marcu, Kevin Knight, and Hal Daumé III

14:45–15:00 Detecting Personal Medication Intake in Twitter: An Annotated Corpus and Baseline Classification System

Ari Klein, Abeer Sarker, Masoud Rouhizadeh, Karen O'Connor, and Graciela Gonzalez

15:00–15:15 Unsupervised Context-Sensitive Spelling Correction of Clinical Free-Text with Word and Character N-Gram Embeddings

Pieter Fizev, Simon Suster, and Walter Daelemans

15:15–15:30 Characterization of Divergence in Impaired Speech of ALS Patients

Archna Bhatia, Bonnie Dorr, Kristy Hollingshead, Samuel L. Phillips, and Barbara McKenzie

15:30–16:00 **Coffee Break**

16:00–16:30 **Session 4 More clinical NLP**

16:00–16:15 Deep Learning for Punctuation Restoration in Medical Reports

Wael Salloum, Greg Finley, Erik Edwards, Mark Miller, and David Suendermann-Oeft

16:15–16:30 Unsupervised Domain Adaptation for Clinical Negation Detection

Timothy Miller, Steven Bethard, Hadi Amiri, and Guergana Savova

16:30–18:00 **Poster Session**

- BioCreative VI Precision Medicine Track: creating a training corpus for mining protein-protein interactions affected by mutations

Rezarta Islamej Dogan, Andrew Chatr-aryamontri, Sun Kim, Chih-Hsuan Wei, Yifan Peng, Donald Comeau, and Zhiyong Lu

- Painless Relation Extraction with Kindred

Jake Lever and Steven Jones

- Noise Reduction Methods for Distantly Supervised Biomedical Relation Extraction

Gang Li, Cathy Wu, and K. Vijay-Shanker

- Role-Preserving Redaction of Medical Records to Enable Ontology-Driven Processing

Seth Polley, Atif Tahir, Muppala Raju, Akintayo Akinleye, and Duane Steward

- Annotation of pain and anesthesia events for surgery-related processes and outcomes extraction

Wen-wai Yim, Dario Tedesco, Catherine Curtin, and Tina Hernandez-Boussard

- Identifying Comparative Structures in Biomedical Text

Samir Gupta, A.S.M. Ashique Mahmood, Karen Ross, Cathy Wu, and K. Vijay-Shanker

- Tagging Funding Agencies and Grants in Scientific Articles using Sequential Learning Models
Subhradeep Kayal, Zubair Afzal, George Tsatsaronis, Sophia Katrenko, Pascal Coupet, Marius Doornenbal, and Michelle Gregory
- Deep Learning for Biomedical Information Retrieval: Learning Textual Relevance from Click Logs
Sunil Mohan, Nicolas Fiorini, Sun Kim, and Zhiyong Lu
- Detecting Dementia through Retrospective Analysis of Routine Blog Posts by Bloggers with Dementia
Vaden Masrani, Gabriel Murray, Thalia Field, and Giuseppe Carenini
- Protein Word Detection using Text Segmentation Techniques
Devi Ganesan, Ashish V. Tendulkar, and Sutanu Chakraborti
- External Evaluation of Event Extraction Classifiers for Automatic Pathway Curation: An extended study of the mTOR pathway
Wojciech Kusa and Michael Spranger
- Toward Automated Early Sepsis Alerting: Identifying Infection Patients from Nursing Notes
Emilia Apostolova and Tom Velez
- Enhancing Automatic ICD-9-CM Code Assignment for Medical Texts with PubMed
Danchen Zhang, Daqing He, Sanyang Zhao, and Lei Li
- Evaluating Feature Extraction Methods for Knowledge-based Biomedical Word Sense Disambiguation
Sam Henry, Clint Cuffy, and Bridget McInnes
- Investigating the Documentation of Electronic Cigarette Use in the Veteran Affairs Electronic Health Record: A Pilot Study
Danielle Mowery, Brett South, Olga Patterson, Shu-Hong Zhu, and Mike Conway
- Automated Preamble Detection in Dictated Medical Reports
Wael Salloum, Greg Finley, Erik Edwards, Mark Miller, and David Suendermann-Oeft
- A Biomedical Question Answering System in BioASQ 2017
Mourad Sarrouti and Said Ouatik El Alaoui
- Adapting Pre-trained Word Embeddings For Use In Medical Coding
Kevin Patel, Divya Patel, Mansi Golakiya, Pushpak Bhattacharyya, and Nilesh Birari
- Initializing neural networks for hierarchical multi-label text classification
Simon Baker and Anna Korhonen
- Biomedical Event Trigger Identification Using Bidirectional Recurrent Neural Network Based Models
Rahul V S S Patchigolla, Sunil Sahu, and Ashish Anand
- Representations of Time Expressions for Temporal Relation Extraction with Convolutional Neural Networks
Chen Lin, Timothy Miller, Dmitriy Dligach, Steven Bethard, and Guergana Savova
- Automatic Diagnosis Coding of Radiology Reports: A Comparison of Deep Learning and Conventional Classification Methods
Sarvnaz Karimi, Xiang Dai, Hamedh Hassanzadeh, and Anthony Nguyen
- Automatic classification of doctor-patient questions for a virtual patient record query task
Leonardo Campillos Llanos, Sophie Rosset, and Pierre Zweigenbaum
- Assessing the performance of Olelo, a real-time biomedical question answering application
Mariana Neves, Fabian Eckert, Hendrik Folkerts, and Matthias Uflacker

- Clinical Event Detection with Hybrid Neural Architecture
Adyasha Maharana and Meliha Yetisgen
- Extracting Personal Medical Events for User Timeline Construction using Minimal Supervision
Aakanksha Naik, Christopher Bogart, and Carolyn Rose
- Detecting mentions of pain and acute confusion in Finnish clinical text
Hans Moen, Kai Hakala, Farrokh Mehryary, Laura-Maria Peltonen, Tapio Salakoski, Filip Ginter, and Sanna Salanterä
- A Multi-strategy Query Processing Approach for Biomedical Question Answering: USTB_PRIR at BioASQ 2017 Task 5B
Zan-Xia Jin, Bo-Wen Zhang, Fan Fang, Le-Le Zhang, and Xu-Cheng Yin

EventStory: Events and Stories in the News

Organizers: *Tommaso Caselli, Ben Miller, Marieke van Erp, Piek Vossen, Martha Palmer, Eduard Hovy, Teruko Mitamura, and David Caswell*

Venue: Cypress 1

Friday, August 4, 2017

9:00–10:30 **Session 1:**

9:00–9:05 **Welcome and Opening Remarks**

9:05–10:05 **A theory of events unifying semantic parsing and reasoning (James F. Allen, University of Rochester)**

10:05–10:30 newsLens: building and visualizing long-ranging news stories
Philippe Laban and Marti Hearst

10:30–11:00 **Coffee Break**

11:00–12:30 **Session 2:**

11:00–12:30 **Annotation Exercise**

12:30–14:00 **Lunch**

14:00–14:45 **Session 3:**

14:00–14:05 Detecting Changes in Twitter Streams using Temporal Clusters of Hashtags
Yunli Wang and Cyril Goutte

14:05–14:10 Event Detection Using Frame-Semantic Parser
Evangelia Spiliopoulou, Eduard Hovy, and Teruko Mitamura

14:10–14:15 Improving Shared Argument Identification in Japanese Event Knowledge Acquisition
Yin Jou Huang and Sadao Kurohashi

14:15–14:20 Tracing armed conflicts with diachronic word embedding models
Andrey Kutuzov, Erik Velldal, and Lilja Øvrelid

14:20–14:25 The Circumstantial Event Ontology (CEO)
Roxane Segers, Tommaso Caselli, and Piek Vossen

14:25–24:30 Event Detection and Semantic Storytelling: Generating a Travelogue from a large Collection of Personal Letters
Georg Rehm, Julian Moreno Schneider, Peter Bourgonje, Ankit Srivastava, Jan Nehring, Armin Berger, Luca König, Sören Räuchle, and Jens Gerth

14:30–14:35 Inference of Fine-Grained Event Causality from Blogs and Films
Zhichao Hu, Elahe Rahimtoroghi, and Marilyn Walker

14:35–14:40 On the Creation of a Security-Related Event Corpus
Martin Atkinson, Jakub Piskorski, Hristo Tanev, and Vanni Zavarella

14:40–14:45 Inducing Event Types and Roles in Reverse: Using Function to Discover Theme
Natalie Ahn

14:45–16:00 **Poster session**

15:30–16:00 **Coffee Break**

16:00–17:45 **Session 4:**

16:00–16:25 The Event StoryLine Corpus: A New Benchmark for Causal and Temporal Relation Extraction

Tommaso Caselli and Piek Vossen

16:25–16:50 The Rich Event Ontology

Susan Brown, Claire Bonial, Leo Obrst, and Martha Palmer

16:50–17:15 Integrating Decompositional Event Structures into Storylines
William Croft, Pavlina Peskova, and Michael Regan

17:15–17:45 **Discussion and Conclusion**

LaTeCH-CLfL: Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature

Organizers: *Beatrice Alex, Stefania Degaetano-Ortlieb, Anna Feldman, Anna Kazantseva,
Nils Reiter, and Stan Szpakowicz*

Venue: Cypress 2

Friday, August 4, 2017

9:00–10:00 **Session 1**

9:00–9:30 Metaphor Detection in a Poetry Corpus

Vaibhav Kesarwani, Diana Inkpen, Stan Szpakowicz, and Chris Tanasescu

9:30–10:00 Machine Translation and Automated Analysis of the Sumerian Language
Émilie Pagé-Perron, Maria Sukhareva, Ilya Khait, and Christian Chiarcos

10:00–10:30 **Poster Teaser Talks**

11:00–12:30 **Session 2**

11:00–11:30 Investigating the Relationship between Literary Genres and Emotional Plot
Development

Evgeny Kim, Sebastian Padó, and Roman Klinder

11:30–12:00 Enjambment Detection in a Large Diachronic Corpus of Spanish Sonnets
*Pablo Ruiz, Clara Martínez Cantón, Thierry Poibeau, and
Elena González-Blanco*

12:00–12:30 Plotting Markson's "Mistress"
Conor Kelleher and Mark Keane

13:30–14:00 **SIGHUM Business Meeting**

14:00–15:00 **Invited Talk**

14:00–15:00 **Characterization (Andrew Piper)**

3:00–4:00 **Poster Session**

- An End-to-end Environment for Research Question-Driven Entity Extraction and Network Analysis
Andre Blessing, Nora Echelmeyer, Markus John, and Nils Reiter
- An Ontology-Based Method for Extracting and Classifying Domain-Specific Compositional Nominal Compounds
Maria Pia di Buono
- Modeling intra-textual variation with entropy and surprisal: topical vs. stylistic patterns
Stefania Degaetano-Ortlieb and Elke Teich
- Finding a Character's Voice: Stylome Classification on Literary Characters
Liviu P. Dinu and Ana Sabina Uban
- Phonological Soundscapes in Medieval Poetry
Christopher Hench
- Annotation Challenges for Reconstructing the Structural Elaboration of Middle Low German
Nina Seemann, Marie-Luis Merten, Michaela Geierhos, Doris Tophinke, and Eyke Hüllermeier

- Speeding up corpus development for linguistic research: language documentation and acquisition in Romansh Tuatschin
Géraldine Walther and Benoît Sagot

16:00–17:30 **Session 4**

- 16:00–16:30 Distantly Supervised POS Tagging of Low-Resource Languages under Extreme Data Sparsity: The Case of Hittite
Maria Sukhareva, Francesco Fuscagni, Johannes Daxenberger, Susanne Görke, Doris Prechel, and Iryna Gurevych
- 16:30–17:00 A Dataset for Sanskrit Word Segmentation
Amritdh Krishna, Pavankumar Satuluri, and Pawan Goyal
- 17:00–17:30 Lexical Correction of Polish Twitter Political Data
Maciej Ogrodniczuk and Mateusz Kopeć

NMT: 1st Workshop on Neural Machine Translation

Organizers: *Thang Luong, Graham Neubig, Alexandra Birch, and Andrew Finch*

Venue: Salon C

Friday, August 4, 2017

Session 1

9:30–9:40 **Welcome and Opening Remarks**

9:40–10:30 **Keynote (Chris Dyer)**

10:30–11:00 **Coffee Break**

Session 2

11:00–11:50 **Keynote (Alexander Rush)**

11:50–12:20 **Best Paper Session**

12:20–13:40 **Lunch Break**

Session 3

13:40–14:30 **Keynote (Kevin Knight)**

14:30–15:20 **Keynote (Quoc Le)**

Session 4

15:20–15:30 **Poster Session**

- An Empirical Study of Adequate Vision Span for Attention-Based Neural Machine Translation
Raphael Shu and Hideki Nakayama
- Analyzing Neural MT Search and Model Performance
Jan Niehues, Eunah Cho, Thanh-Le Ha, and Alex Waibel
- Stronger Baselines for Trustable Results in Neural Machine Translation
Michael Denkowski and Graham Neubig
- Six Challenges for Neural Machine Translation
Philipp Koehn and Rebecca Knowles
- Cost Weighting for Neural Machine Translation Domain Adaptation
Boxing Chen, Colin Cherry, George Foster, and Samuel Larkin
- Detecting Untranslated Content for Neural Machine Translation
Isao Goto and Hideki Tanaka
- Beam Search Strategies for Neural Machine Translation
Markus Freitag and Yaser Al-Onaizan
- Interactive Beam Search for Visualizing Neural Machine Translation (extended abstract)
Jaesong Lee, JoongHwi Shin, and Jun-Seok Kim
- Graph Convolutional Encoders for Syntax-aware Neural Machine Translation
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Session 5

16:10–17:30 **Panel Discussion**

17:30–17:40 **Closing Remarks**

4

Anti-harassment policy

The open exchange of ideas, the freedom of thought and expression, and respectful scientific debate are central to the aims and goals of a ACL conference. These require a community and an environment that recognizes the inherent worth of every person and group, that fosters dignity, understanding, and mutual respect, and that embraces diversity. For these reasons, ACL is dedicated to providing a harassment-free experience for participants at our events and in our programs.

Harassment and hostile behavior are unwelcome at any ACL conference. This includes: speech or behavior (including in public presentations and on-line discourse) that intimidates, creates discomfort, or interferes with a person's participation or opportunity for participation in the conference. We aim for ACL conferences to be an environment where harassment in any form does not happen, including but not limited to: harassment based on race, gender, religion, age, color, national origin, ancestry, disability, sexual orientation, or gender identity. Harassment includes degrading verbal comments, deliberate intimidation, stalking, harassing photography or recording, inappropriate physical contact, and unwelcome sexual attention.

It is the responsibility of the community as a whole to promote an inclusive and positive environment for our scholarly activities. In addition, any participant who experiences harassment or hostile behavior may contact any current member of the ACL Board or contact Priscilla Rasmussen, who is usually available at the registration desk of the conference. Please be assured that if you approach us, your concerns will be kept in strict confidence, and we will consult with you on any actions taken.

The ACL board members are listed at:

<https://www.aclweb.org/website/about>

The full policy and its implementation is defined at:

https://www.aclweb.org/adminwiki/index.php?title=Anti-Harassment_Policy

5

Local Guide

This guide was written by Anoop Sarkar, with additions by Christian Federman.

Vancouver, BC has several events scheduled during the summer time and we would like to highlight some of the events that will be happening either during ACL 2017 or just before or just after the conference. This is also an important reminder to those planning to attend the conference that you should book your hotel room immediately. It is very likely that there will be a shortage of hotel rooms due to the various festivals in the city at around the same time as ACL 2017.

The main festivals happening in the city during ACL 2017 are:

Vancouver Pride Festival The Vancouver Pride Festival this year will be held in downtown Vancouver on Sunday, August 6, 2017. There are more than 20 official events aimed at bringing together the LGBTQ community and their friends, allies and supporters. The main event is the festival parade which will be held in downtown Vancouver within walking distance of the conference hotel. There is more information at the Tourism Vancouver site.

- <http://www.vancouverpride.ca/>
- <https://www.tourismvancouver.com/events/festivals-and-events/vancouver-pride-festival/>

Celebration of Light The Celebration of Light is a competition in which three countries compete to put on the best fireworks display. The fireworks start at 10pm over English Bay in Downtown Vancouver. This year the three countries competing are: Japan on Saturday, July 29th; the UK on Wednesday, August 2nd; and Canada on Saturday, August 5, 2017. Tickets are on sale for venues close to the fireworks display. It is not a long walk to English Bay from the conference hotel and you might be able to catch the fireworks without purchasing a ticket. There is more information at the Tourism Vancouver site.

- <http://hondacelebrationoflight.com/>
 - <https://www.tourismvancouver.com/events/festivals-and-events/celebration-of-light/>
-

Caribbean Days Caribbean Days is a multicultural festival celebrating Caribbean culture which will be held this year in North Vancouver, BC on July 29 and 30, 2017. North Vancouver is a short ferry ride or car/bus ride away from downtown Vancouver. There is more information at the Tourism Vancouver site.

- <http://www.caribbeandays.ca/>
- <https://www.tourismvancouver.com/events/festivals-and-events/10-unique-vancouver-festivals/>

Vancouver Folk Music Festival This event is a bit before the conference dates but is a large event and you might want to catch some of it before the conference begins. The Vancouver Folk Music Festival will be held at Jericho Beach in Vancouver, BC on July 14-16, 2017. There is more information at the Tourism Vancouver site.

- <http://thefestival.bc.ca/>
- <https://www.tourismvancouver.com/events/festivals-and-events/vancouver-folk-music-festivals/>

Bard on the Beach: Shakespeare Festival The Bard on the Beach stages Shakespeare in Vanier Park, Vancouver, BC during the late summer. Plays are held between June 1 to September 23, 2017. More information.

- <https://bardonthethebeach.org/>
- <https://www.tourismvancouver.com/events/festivals-and-events/bard-on-the-beach-shakespeare-festival/>

Theatre under the Stars Theatre under the Stars stages Broadway musicals in Stanley Park, Vancouver, BC. Performances are held between July 7 and August 19, 2017. More information.

- <https://www.tuts.ca/>
- <https://www.tourismvancouver.com/events/festivals-and-events/theatre-under-the-stars/>

Transportation The Downtown Vancouver area is pretty well connected with buses and taxis. The city has recently introduced more bike lanes, so biking is also an option to get around. Note that there are no ride sharing solutions in Vancouver as they are illegal in BC.

- <http://vancouver.ca/streets-transportation/visitors-guide-to-public-transit.aspx>
- <https://www.translink.ca/>

Safety Vancouver is a pretty safe city. Parts of East Hastings Street are home to Vancouver's drug scene and can be unsettling at first sight. During day time, there should not be any problems though. In general, you should be aware of your surroundings in the evening, as you would be in any big city. Vancouver's West End and the False Creek areas are relaxed.

6

On-Site Childcare and Nursing Room

For the first time ever, ACL will be offering on-site childcare at the conference hotel by advanced reservation or walk-in. Walk-ins are subject to availability, but there should be plenty of space, so please bring your kids! The cost of the childcare is partially subsidized by the ACL. The cost for general registrants will be \$10 USD per hour per child. For students registrants the cost will be \$5 USD per hour per child.

The childcare rooms are Oak 1 and 2 Rooms, located across from The Stanley Park Ballroom (Salons 1-3). The care is available for children 6 months to 12 years old from 8 a.m. to 6 p.m. during the main conference, and 9 a.m. to 5 p.m. on the tutorials and workshop days. The carer givers are from a professional childcare company, KiddieCorp, all of whom are CPR/first aid certified and with child care experience. The childcare has activities and play materials such as arts and crafts as well as appropriate toys for babies as well as a quiet area for napping.

We also have the Arbutus Room available for nursing mothers with a fridge is available on request. Please stop by the registration desk to schedule time and for the key.

In addition to childcare, we invite you to bring your children, spouses and loved ones to the social event at the conference. You can purchase additional meals or additional tickets to the social event for your family members. The social event for this year is an evening at the Vancouver Aquarium Marine. It's a family friendly venue, and we hope to see you and your family there!

Below is information from KiddieCorp about their services.

Hello ACL Parents!

Thank you very much for your interest in the Association for Computational Linguistics children's program. Our goal is to provide your children with a program they want to attend, while providing you with that critical "peace of mind" feeling so you can attend the conference activities without worrying.

KiddieCorp is pleased to provide a children's program during ACL 2017. KiddieCorp has more than thirty years of experience providing high quality children's programs and youth services to conventions, trade shows and special events. We take caring for your children very seriously. KiddieCorp has enjoyed a long-time partnership with the American Academy of Pediatrics, which has helped to establish KiddieCorp as a premier provider of event children's program services.

Activities Activities include exciting themes, arts and crafts, group games, music and movement, board games, story time, dramatic play, etc. We provide activities appropriate for each age group, using safe, sturdy equipment that you can feel comfortable with. Children can make their own choices within KiddieCorp's program.

Commitment Our goal is to provide your children with a comfortable, safe and happy experience. Our staff to child ratios are high to ensure that every child feels special (1:2 for children ages 6 months through 11 months old; 1:3 for children ages 1 through 2 years old; 1:5 for children ages 3 through 5 years old; 1:7 for children ages 6 through 12 years old). KiddieCorp team members are selected according to their integrity, experience, education and enthusiasm. They must be wonderful with kids! In addition to our competitive and selective hiring process, KiddieCorp remains at the top of the industry by carrying ample liability insurance.

Where, When, For Whom The program is for children ages 6 months through 12 years old. The dates for the program are July 30 – August 4, 2017 and will be located in the Oak Room at the Westin Bayshore in Vancouver. Snacks and beverages will be provided and meals need to be supplied by parents when checking in your child each day.

Other Info

- Please label your child's belongings. We will maintain a lost and found, however, KiddieCorp does not accept responsibility for the loss or theft of any toy, book, or other personal items.
- For parents with infants, please bring diaper changing supplies, formula/baby food, and a change of clothes.
- Cancellation Policy: Cancellations must be made to KiddieCorp prior to June 30, 2017 for a full refund. Cancellations made after that date will be subject to a 50% cancellation fee. Once the program has begun, no refunds will be issued.
- KiddieCorp staff does not administer medication. To ensure a safe and fun-filled environment, any child who is ill will not be admitted to the children's program.

Need more information? KiddieCorp is always available to answer any questions. Feel free to stop by the Oak room, or to call or text KiddieCorp's on-site manager, Lisa. Lisa's number is +1-450-466-6897.



Example activities - A Pirate's Life For Me

Yo, Ho, Ho, Mateys! It's a pirate's life for us. We'll have a swashbuckling good time when we discover the KiddieCorp pirate life. Alrighty buccaneers, let's dress the part; grab an eye patch, pirate hat or handkerchief and we'll set sail with a serious game of Battleship. Before we head back to the mainland, we'll have an opportunity to create a pirate ship of our own out of Popsicle sticks at the arts and crafts station. We can also make pirate flags, treasure maps and our own beaded treasures. So let's raise the sails and get ready to have an adventure on the high seas, KiddieCorp pirate style.

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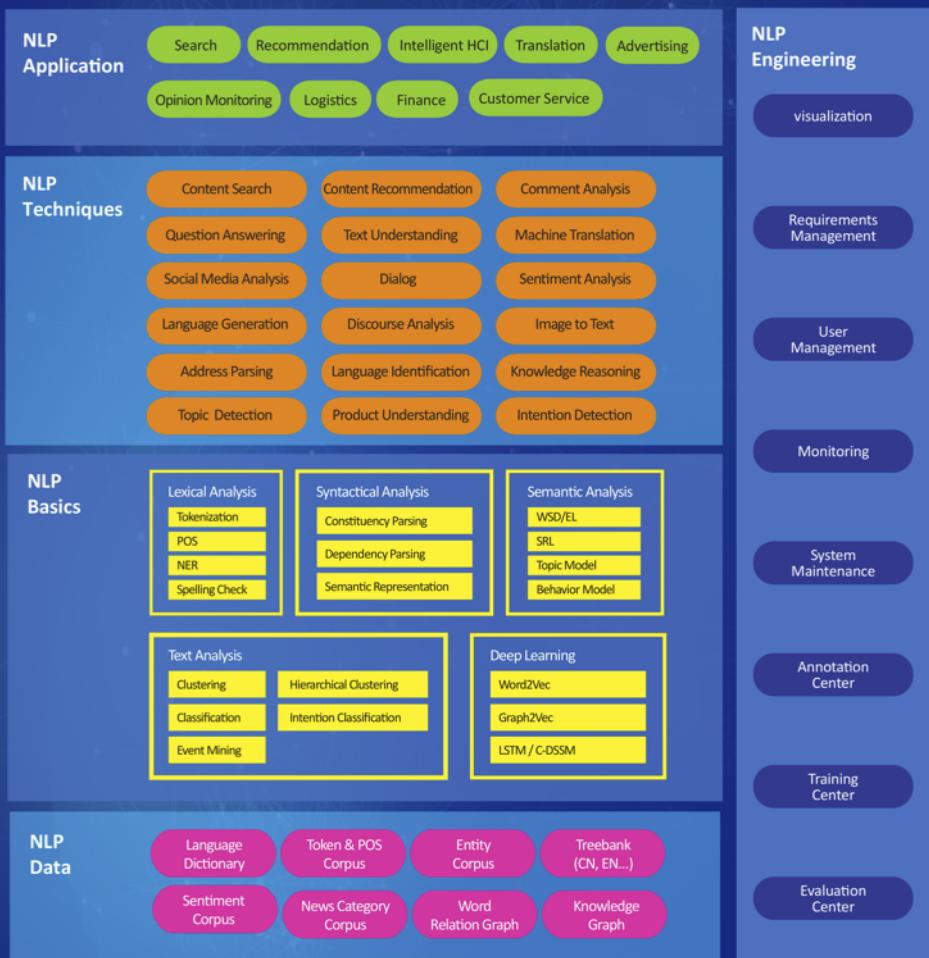
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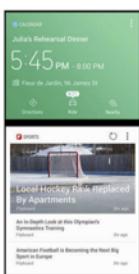
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Core technology	Technology components
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Inference / Prediction	Inference, Prediction, Planning, Recommendation
Knowledge Representation	Knowledge Creation, KB Management
Machine Learning	Deep Learning, Reinforcement Learning
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Visual Understanding	Object Recognition / Tracking, Visual Search, Human Recognition / Understanding, Scene Understanding



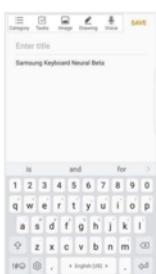
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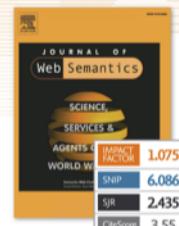
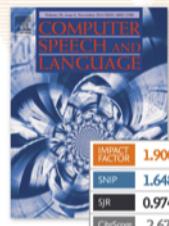
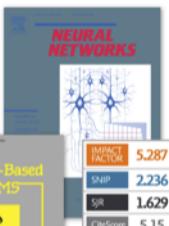


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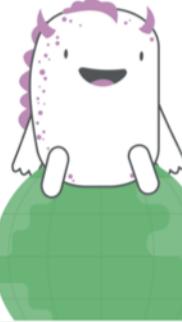
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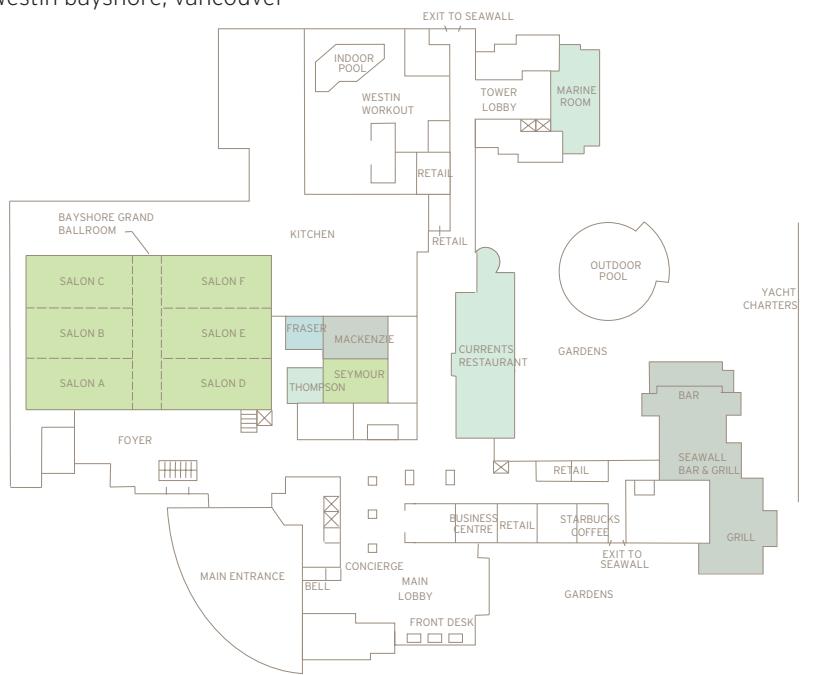
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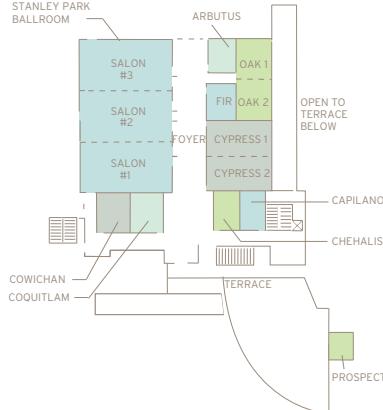
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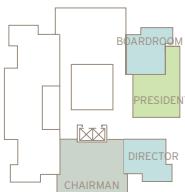
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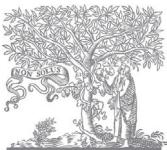
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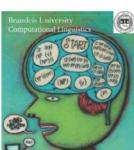
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