10:30–12:10 Session 7A: Machine Learning 3, Room: Jutland, Chair: Barbara Plank, University of Groningen

10:30–10:55 Maximum Margin Reward Networks for Learning from Explicit and Implicit Supervision
Haoruo Peng, Ming-Wei Chang, Wen-tau Yih

10:55–11:20 The Impact of Modeling Overall Argumentation with Tree Kernels
Henning Wachsmuth, Giovanni Da San Martino, Dora Kiesel, Benno Stein

11:20–11:45 Learning Generic Sentence Representations Using Convolutional Neural Networks
Zhe Gan, Yunchen Pu, Ricardo Henao, Chunyuan Li, Xiaodong He, Lawrence Carin

11:45–12:10 Repeat before Forgetting: Spaced Repetition for Efficient and Effective Training of Neural Networks
Hadi Amiri, Timothy Miller, Guergana Savova

13:40–15:25 Session 8A: Machine Translation and Multilingual/Multimodal NLP (Short), Room: Jutland, Chair: Yulia Tsvetkov, Carnegie Mellon University

13:40–13:55 A Study of Style in Machine Translation: Controlling the Formality of Machine Translation Output
Xing Niu, Marianna Martindale, Marine Carpuat

13:55–14:10 Sharp Models on Dull Hardware: Fast and Accurate Neural Machine Translation Decoding on the CPU
Jacob Devlin

14:10–14:25 Exploiting Cross-Sentence Context for Neural Machine Translation
Longyue Wang, Zhaopeng Tu, Andy Way, Qun Liu

14:25–14:40 Cross-Lingual Transfer Learning for POS Tagging without Cross-Lingual Resources
Joo-Kyung Kim, Young-Bum Kim, Ruhi Sarikaya, Eric Fosler-Lussier

14:40–14:55 Image Pivoting for Learning Multilingual Multimodal Representations
Spandana Gella, Rico Sennrich, Frank Keller, Mirella Lapata

14:55–15:10 Neural Machine Translation with Source Dependency Representation
Kehai Chen, Rui Wang, Masao Utiyama, Lemao Liu, Akihiro Tamura, Eiichiro Sumita, Tiejun Zhao

15:10–15:25 Visual Denotations for Recognizing Textual Entailment
Dan Han, Pascual Martínez-Gómez, Koji Mineshima

10:30–12:10 Session 7B: Syntax 4, Room: Funen, Chair: Zeljko Agic, IT University of Copenhagen

10:30–10:55 Part-of-Speech Tagging for Twitter with Adversarial Neural Networks
Tao Gui, Qi Zhang, Haoran Huang, Minlong Peng, Xuanjing Huang

10:55–11:20 Investigating Different Syntactic Context Types and Context Representations for Learning Word Embeddings
Bofang Li, Tao Liu, Zhe Zhao, Buzhou Tang, Aleksandr Drozd, Anna Rogers, Xiaoyong Du

11:20–11:45 Does syntax help discourse segmentation? Not so much
Chloé Braud, Ophélie Lacroix, Anders Søgaard

11:45–12:10 Nonparametric Bayesian Semi-supervised Word Segmentation
Daichi Mochihashi, Ryo Fujii, Ryo Domoto

13:40–15:25 Session 8B: Machine Learning (Short), Room: Funen, Chair: Bowman, Samuel R., NYU

13:40–13:55 Sequence Effects in Crowdsourced Annotations
Nitika Mathur, Timothy Baldwin, Trevor Cohn

13:55–14:10 No Need to Pay Attention: Simple Recurrent Neural Networks Work!
Ferhan Ture, Oliver Jojic

14:10–14:25 The strange geometry of skip-gram with negative sampling
David Mimno, Laure Thompson

14:25–14:40 Natural Language Processing with Small Feed-Forward Networks
Jan A. Botha, Emily Pitler, Ji Ma, Anton Bakalov, Alex Salcianu, David Weiss, Ryan McDonald, Slav Petrov

14:40–14:55 Deep Multi-Task Learning for Aspect Term Extraction with Memory Interaction
Xin Li, Wai Lam

14:55–15:10 Analogs of Linguistic Structure in Deep Representations
Jacob Andreas, Dan Klein

15:10–15:25 A Simple Regularization-based Algorithm for Learning Cross-Domain Word Embeddings
Wei Yang, Wei Lu, Vincent Zheng

10:30–12:10 Session 7C: Dialogue, Room: Zealand, Chair: Amanda Stent, Bloomberg

10:30–10:55 Deal or No Deal? End-to-End Learning of Negotiation Dialogues
Mike Lewis, Denis Yarats, Yann Dauphin, Devi Parikh, Dhruv Batra

10:55–11:20 Agent-Aware Dropout DQN for Safe and Efficient On-line Dialogue Policy Learning
Lu Chen, Xiang Zhou, Cheng Chang, Runzhe Yang, Kai Yu

11:20–11:45 Towards Debate Automation: a Recurrent Model for Predicting Debate Winners
Peter Potash, Anna Rumshisky

11:45–12:10 Conversation Modeling on Reddit Using a Graph-Structured LSTM
Victoria Zayats, Mari Ostendorf

13:40–15:25 Session 8C: NLP Applications (Short), Room: Zealand, Chair: Joel Tetreault, Grammarly

13:40–13:55 Learning what to read: Focused machine reading
Enrique Noriega-Atala, Marco A. Valenzuela-Escárcega, Clayton Morrison, Mihai Surdeanu

13:55–14:10 DOC: Deep Open Classification of Text Documents
Lei Shu, Hu Xu, Bing Liu

14:10–14:25 Charmanteau: Character Embedding Models For Portmanteau Creation
Varun Gangal, Harsh Jhamtani, Graham Neubig, Eduard Hovy, Eric Nyberg

14:25–14:40 Using Automated Metaphor Identification to Aid in Detection and Prediction of First-Episode Schizophrenia
E. Dario Gutierrez, Guillermo Cecchi, Cheryl Corcoran, Philip Corlett

14:40–14:55 Truth of Varying Shades: Analyzing Language in Fake News and Political Fact-Checking
Hannah Rashkin, Eunsol Choi, Jin Yea Jang, Svitlana Volkova, Yejin Choi

14:55–15:10 Topic-Based Agreement and Disagreement in US Electoral Manifestos
Stefano Menini, Federico Nanni, Simone Paolo Ponzetto, Sara Tonelli

15:10–15:25 Zipporah: a Fast and Scalable Data Cleaning System for Noisy Web-Crawled Parallel Corpora
Hainan Xu, Philipp Koehn

10:30–12:10 Session 7D: Poster Session. Machine Translation and Multilingual NLP 2, Room: Aarhus, Chair: Marianna Apidianaki, LIMSI, CNRS and University of Pennsylvania

Joint Prediction of Word Alignment with Alignment Types
Anahita Mansouri Bigvand, Te Bu, Anoop Sarkar

Further Investigation into Reference Bias in Monolingual Evaluation of Machine Translation
Qingsong Ma, Yvette Graham, Timothy Baldwin, Qun Liu

A Challenge Set Approach to Evaluating Machine Translation
Pierre Isabelle, Colin Cherry, George Foster

Knowledge Distillation for Bilingual Dictionary Induction
Ndapandula Nakashole, Raphael Flauger

Machine Translation, it's a question of style, innit? The case of English tag questions
Rachel Bawden

Deciphering Related Languages
Nima Pourdamghani, Kevin Knight

Identifying Cognate Sets Across Dictionaries of Related Languages
Adam St Arnaud, David Beck, Grzegorz Kondrak

Learning Language Representations for Typology Prediction
Chaitanya Malaviya, Graham Neubig, Patrick Littell

Cheap Translation for Cross-Lingual Named Entity Recognition
Stephen Mayhew, Chen-Tse Tsai, Dan Roth

Cross-Lingual Induction and Transfer of Verb Classes Based on Word Vector Space Specialisation
Ivan Vulić, Nikola Mrkšić, Anna Korhonen

Classification of telicity using cross-linguistic annotation projection
Annemarie Friedrich, Damyana Gateva

Semantic Specialisation of Distributional Word Vector Spaces using Monolingual and Cross-Lingual Constraints
Nikola Mrkšić, Ivan Vulić, Diarmuid Ó Séaghdha, Roi Reichart, Ira Leviant, Milica Gašić, Anna Korhonen, Steve Young

Counterfactual Learning from Bandit Feedback under Deterministic Logging : A Case Study in Statistical Machine Translation
Carolin Lawrence, Artem Sokolov, Stefan Riezler

10:30–12:10 Session 7E: Poster Session. Information Extraction 2, Room: Odense, Chair: Isabelle Augenstein, University of Copenhagen

Learning Fine-grained Relations from Chinese User Generated Categories
Chengyu Wang, Yan Fan, Xiaofeng He, Aoying Zhou

Improving Slot Filling Performance with Attentive Neural Networks on Dependency Structures
Lifu Huang, Avirup Sil, Heng Ji, Radu Florian

Identifying Products in Online Cybercrime Marketplaces: A Dataset for Fine-grained Domain Adaptation
Greg Durrett, Jonathan K. Kummerfeld, Taylor Berg-Kirkpatrick, Rebecca Portnoff, Sadia Afroz, Damon McCoy, Kirill Levchenko, Vern Paxson

Labeling Gaps Between Words: Recognizing Overlapping Mentions with Mention Separators
Aldrian Obaja Muis, Wei Lu

Deep Joint Entity Disambiguation with Local Neural Attention
Octavian-Eugen Ganea, Thomas Hofmann

MinIE: Minimizing Facts in Open Information Extraction
Kiril Gashteovski, Rainer Gemulla, Luciano Del Corro

Scientific Information Extraction with Semi-supervised Neural Tagging
Yi Luan, Mari Ostendorf, Hannaneh Hajishirzi

NITE: A Neural Inductive Teaching Framework for Domain Specific NER
Siliang Tang, Ning Zhang, Jinjiang Zhang, Fei Wu, Yueting Zhuang

Speeding up Reinforcement Learning-based Information Extraction Training using Asynchronous Methods
Aditya Sharma, Zarana Parekh, Partha Talukdar

Leveraging Linguistic Structures for Named Entity Recognition with Bidirectional Recursive Neural Networks
Peng-Hsuan Li, Ruo-Ping Dong, Yu-Siang Wang, Ju-Chieh Chou, Wei-Yun Ma

Fast and Accurate Entity Recognition with Iterated Dilated Convolutions
Emma Strubell, Patrick Verga, David Belanger, Andrew McCallum

Entity Linking via Joint Encoding of Types, Descriptions, and Context
Nitish Gupta, Sameer Singh, Dan Roth

An Insight Extraction System on BioMedical Literature with Deep Neural Networks
Hua He, Kris Ganjam, Navendu Jain, Jessica Lundin, Ryen White, Jimmy Lin

10:30–12:10 Session 7F: Poster Session. NLP Applications, Room: Copenhagen, Chair: Courtney Napoles, Johns Hopkins University

Word Etymology as Native Language Interference
Vivi Nastase, Carlo Strapparava

A Simpler and More Generalizable Story Detector using Verb and Character Features
Joshua Eisenberg, Mark Finlayson

Multi-modular domain-tailored OCR post-correction
Sarah Schulz, Jonas Kuhn

Learning to Predict Charges for Criminal Cases with Legal Basis
Bingfeng Luo, Yansong Feng, Jianbo Xu, Xiang Zhang, Dongyan Zhao

Quantifying the Effects of Text Duplication on Semantic Models
Alexandra Schofield, Laure Thompson, David Mimno

Identifying Semantically Deviating Outlier Documents
Honglei Zhuang, Chi Wang, Fangbo Tao, Lance Kaplan, Jiawei Han

Detecting and Explaining Causes From Text For a Time Series Event
Dongyeop Kang, Varun Gangal, Ang Lu, Zheng Chen, Eduard Hovy

A Novel Cascade Model for Learning Latent Similarity from Heterogeneous Sequential Data of MOOC
Zhuoxuan Jiang, Shanshan Feng, Gao Cong, Chunyan Miao, Xiaoming Li

Identifying the Provision of Choices in Privacy Policy Text
Kanthashree Mysore Sathyendra, Shomir Wilson, Florian Schaub, Sebastian Zimmeck, Norman Sadeh

An Empirical Analysis of Edit Importance between Document Versions
Tanya Goyal, Sachin Kelkar, Manas Agarwal, Jeenu Grover

Transition-Based Disfluency Detection using LSTMs
Shaolei Wang, Wanxiang Che, Yue Zhang, Meishan Zhang, Ting Liu

Neural Sequence-Labelling Models for Grammatical Error Correction
Helen Yannakoudakis, Marek Rei, Øistein E. Andersen, Zheng Yuan

Adapting Sequence Models for Sentence Correction
Allen Schmaltz, Yoon Kim, Alexander Rush, Stuart Shieber

10:30–12:10 Session 1A: Syntax 1, Room: Jutland, Chair: Joakim Nivre, Uppsala University

10:30–10:55 Monolingual Phrase Alignment on Parse Forests
Yuki Arase, Jun'ichi Tsujii

10:55–11:20 Fast(er) Exact Decoding and Global Training for Transition-Based Dependency Parsing via a Minimal Feature Set
Tianze Shi, Liang Huang, Lillian Lee

11:20–11:45 Parsing with Traces: An $O(n^4)$ Algorithm and a Structural Representation
Jonathan K. Kummerfeld, Dan Klein

11:45–12:10 Quasi-Second-Order Parsing for 1-Endpoint-Crossing, Pagenumber-2 Graphs
Junjie Cao, Sheng Huang, Weiwei Sun, Xiaojun Wan

13:40–15:20 Session 2A: Machine Translation 1, Room: Jutland, Chair: Graham Neubig, Carnegie Mellon University

13:40–14:05 Neural Machine Translation with Source-Side Latent Graph Parsing
Kazuma Hashimoto, Yoshimasa Tsuruoka

14:05–14:30 Neural Machine Translation with Word Predictions
Rongxiang Weng, Shujian Huang, Zaixiang Zheng, XIN-YU DAI, Jiajun CHEN

14:30–14:55 Towards Decoding as Continuous Optimisation in Neural Machine Translation
Cong Duy Vu Hoang, Gholamreza Haffari, Trevor Cohn

14:55–15:20 Google's Multilingual Neural Machine Translation System: Enabling Zero-Shot Translation
Melvin Johnson, Mike Schuster, Quoc V. Le, Maxim Krikun, Yonghui Wu, Zhifeng Chen, Nikhil Thorat, Fernanda Viégas, Martin Wattenberg, Greg Corrado, Macduff Hughes, Jeffrey Dean

15:50–17:30 Session 3A: Machine Learning 2, Room: Jutland, Chair: Karl Moritz Hermann, DeepMind

15:50–16:15 DeepPath: A Reinforcement Learning Method for Knowledge Graph Reasoning
Wenhan Xiong, Thien Hoang, William Yang Wang

16:15–16:40 Task-Oriented Query Reformulation with Reinforcement Learning
Rodrigo Nogueira, Kyunghyun Cho

16:40–17:05 Sentence Simplification with Deep Reinforcement Learning
Xingxing Zhang, Mirella Lapata

17:05–17:30 Learning how to Active Learn: A Deep Reinforcement Learning Approach
Meng Fang, Yuan Li, Trevor Cohn

10:30–12:10 Session 1B: Information Extraction 1, Room: Funen, Chair: Ming-Wei Chang, Google

10:30–10:55 Position-aware Attention and Supervised Data Improve Slot Filling
Yuhao Zhang, Victor Zhong, Danqi Chen, Gabor Angeli, Christopher D. Manning

10:55–11:20 Heterogeneous Supervision for Relation Extraction: A Representation Learning Approach
Liyuan Liu, Xiang Ren, Qi Zhu, Shi Zhi, Huan Gui, Heng Ji, Jiawei Han

11:20–11:45 Integrating Order Information and Event Relation for Script Event Prediction
Zhongqing Wang, Yue Zhang, Ching-Yun Chang

11:45–12:10 Entity Linking for Queries by Searching Wikipedia Sentences
Chuanqi Tan, Furu Wei, Pengjie Ren, Weifeng Lv, Ming Zhou

13:40–15:20 Session 2B: Language Grounding, Room: Funen, Chair: Yejin Choi, University of Washington

13:40–14:05 Where is Misty? Interpreting Spatial Descriptors by Modeling Regions in Space
Nikita Kitaev, Dan Klein

14:05–14:30 Continuous Representation of Location for Geolocation and Lexical Dialectology using Mixture Density Networks
Afshin Rahimi, Timothy Baldwin, Trevor Cohn

14:30–14:55 Colors in Context: A Pragmatic Neural Model for Grounded Language Understanding
Will Monroe, Robert X. D. Hawkins, Noah D. Goodman, Christopher Potts

14:55–15:20 Obj2Text: Generating Visually Descriptive Language from Object Layouts
Xuwang Yin, Vicente Ordonez

15:50–17:30 Session 3B: Generation, Room: Funen, Chair: Wei Xu, Ohio State University

15:50–16:15 Split and Rephrase
Shashi Narayan, Claire Gardent, Shay B. Cohen, Anastasia Shimorina

16:15–16:40 Neural Response Generation via GAN with an Approximate Embedding Layer
Zhen Xu, Bingquan Liu, Baoxun Wang, Chengjie SUN, Xiaolong Wang, Zhuoran Wang, Chao Qi

16:40–17:05 A Hybrid Convolutional Variational Autoencoder for Text Generation
Stanislau Semeniuta, Aliaksei Severyn, Erhardt Barth

17:05–17:30 Filling the Blanks (hint: plural noun) for Mad Libs Humor
Nabil Hossain, John Krumm, Lucy Vanderwende, Eric Horvitz, Henry Kautz

10:30–12:10 Session 1C: Multilingual NLP, Room: Zealand, Chair: Ivan Titov, University of Edinburgh

10:30–10:55 Train-O-Matic: Large-Scale Supervised Word Sense Disambiguation in Multiple Languages without Manual Training Data
Tommaso Pasini, Roberto Navigli

10:55–11:20 Universal Semantic Parsing
Siva Reddy, Oscar Täckström, Slav Petrov, Mark Steedman, Mirella Lapata

11:20–11:45 Mimicking Word Embeddings using Subword RNNs
Yuval Pinter, Robert Guthrie, Jacob Eisenstein

11:45–12:10 Past, Present, Future: A Computational Investigation of the Typology of Tense in 1000 Languages
Ehsaneddin Asgari, Hinrich Schütze

13:40–15:20 Session 2C: Discourse and Summarization, Room: Zealand, Chair: Lu Wang, Northeastern University

13:40–14:05 End-to-end Neural Coreference Resolution
Kenton Lee, Luheng He, Mike Lewis, Luke Zettlemoyer

14:05–14:30 Neural Net Models of Open-domain Discourse Coherence
Jiwei Li, Dan Jurafsky

14:30–14:55 Affinity-Preserving Random Walk for Multi-Document Summarization
Kexiang Wang, Tianyu Liu, Zhifang Sui, Baobao Chang

14:55–15:20 A Mention-Ranking Model for Abstract Anaphora Resolution
Ana Marasovic, Leo Born, Juri Opitz, Anette Frank

15:50–17:30 Session 3C: Semantics 1, Room: Zealand, Chair: Felix Hill, DeepMind

15:50–16:15 Measuring Thematic Fit with Distributional Feature Overlap
Enrico Santus, Emmanuele Chersoni, Alessandro Lenci, Philippe Blache

16:15–16:40 SCDV : Sparse Composite Document Vectors using soft clustering over distributional representations
Dheeraj Mekala, Vivek Gupta, Bhargavi Paranjape, Harish Karnick

16:40–17:05 Supervised Learning of Universal Sentence Representations from Natural Language Inference Data
Alexis Conneau, Douwe Kiela, Holger Schwenk, Loïc Barrault, Antoine Bordes

17:05–17:30 Determining Semantic Textual Similarity using Natural Deduction Proofs
Hitomi Yanaka, Koji Mineshima, Pascual Martínez-Gómez, Daisuke Bekki

10:30–12:10 Session 1D: Demo Session (Posters), Chair: Paul, Michael

The NLTK FrameNet API: Designing for Discoverability with a Rich Linguistic Resource
Nathan Schneider, Chuck Wooters

Argotario: Computational Argumentation Meets Serious Games
Ivan Habernal, Raffael Hannemann, Christian Pollak, Christopher Klamm, Patrick Pauli, Iryna Gurevych

An Analysis and Visualization Tool for Case Study Learning of Linguistic Concepts
Cecilia Ovesdotter Alm, Benjamin Meyers, Emily Prud'hommeaux

GraphDocExplore: A Framework for the Experimental Comparison of Graph-based Document Exploration Techniques
Tobias Falke, Iryna Gurevych

SGNMT – A Flexible NMT Decoding Platform for Quick Prototyping of New Models and Search Strategies
Felix Stahlberg, Eva Hasler, Danielle Saunders, Bill Byrne

StruAP: A Tool for Bundling Linguistic Trees through Structure-based Abstract Pattern
Kohsuke Yanai, Misa Sato, Toshihiko Yanase, Kenzo Kurotsuchi, Yuta Koreeda, Yoshiki Niwa

KnowYourNyms? A Game of Semantic Relationships
Ross Mechanic, Dean Fulgoni, Hannah Cutler, Sneha Rajana, Zheyuan Liu, Bradley Jackson, Anne Cocos, Chris Callison-Burch, Marianna Apidianaki

The Projector: An Interactive Annotation Projection Visualization Tool
Alan Akbik, Roland Vollgraf

Interactive Visualization for Linguistic Structure
Aaron Sarnat, Vidur Joshi, Cristian Petrescu-Prahova, Alvaro Herrasti, Brandon Stilson, Mark Hopkins

DLATK: Differential Language Analysis ToolKit
H. Andrew Schwartz, Salvatore Giorgi, Maarten Sap, Patrick Crutchley, Lyle Ungar, Johannes Eichstaedt

QUINT: Interpretable Question Answering over Knowledge Bases
Abdalghani Abujabal, Rishiraj Saha Roy, Mohamed Yahya, Gerhard Weikum

Function Assistant: A Tool for NL Querying of APIs
Kyle Richardson, Jonas Kuhn

MoodSwipe: A Soft Keyboard that Suggests MessageBased on User-Specified Emotions
Chieh-Yang Huang, Tristan Labetoulle, Ting-Hao Huang, Yi-Pei Chen, Hung-Chen Chen, Vallari Srivastava, Lun-Wei Ku

ParlAI: A Dialog Research Software Platform
Alexander Miller, Will Feng, Dhruv Batra, Antoine Bordes, Adam Fisch, Jiasen Lu, Devi Parikh, Jason Weston

HeidelPlace: An Extensible Framework for Geoparsing
Ludwig Richter, Johanna Geiß, Andreas Spitz, Michael Gertz

Unsupervised, Knowledge-Free, and Interpretable Word Sense Disambiguation
Alexander Panchenko, Fide Marten, Eugen Ruppert, Stefano Faralli, Dmitry Ustalov, Simone Paolo Ponzetto, Chris Biemann

NeuroNER: an easy-to-use program for named-entity recognition based on neural networks
Franck Dernoncourt, Ji Young Lee, Peter Szolovits

SupWSD: A Flexible Toolkit for Supervised Word Sense Disambiguation
Simone Papandrea, Alessandro Raganato, Claudio Delli Bovi

Interactive Abstractive Summarization for Event News Tweets
Ori Shapira, Hadar Ronen, Meni Adler, Yael Amsterdamer, Judit Bar-Ilan, Ido Dagan

LangPro: Natural Language Theorem Prover
Lasha Abzianidze

Interactive Visualization and Manipulation of Attention-based Neural Machine Translation
Jaesong Lee, Joong-Hwi Shin, Jun-Seok Kim

13:40–15:20 Session 2D: Poster Session. Embeddings, Room: Aarhus, Chair: Heike Adel, LMU Munich

Hierarchical Embeddings for Hypernymy Detection and Directionality
Kim Anh Nguyen, Maximilian Köper, Sabine Schulte im Walde, Ngoc Thang Vu

Ngram2vec: Learning Improved Word Representations from Ngram Co-occurrence Statistics
Zhe Zhao, Tao Liu, Shen Li, Bofang Li, Xiaoyong Du

Dict2vec : Learning Word Embeddings using Lexical Dictionaries
Julien Tissier, Christopher Gravier, Amaury Habrard

Learning Chinese Word Representations From Glyphs Of Characters
Tzu-ray Su, Hung-yi Lee

Learning Paraphrastic Sentence Embeddings from Back-Translated Bitext
John Wieting, Jonathan Mallinson, Kevin Gimpel

Joint Embeddings of Chinese Words, Characters, and Fine-grained Subcharacter Components
Jinxing Yu, Xun Jian, Hao Xin, Yangqiu Song

Exploiting Morphological Regularities in Distributional Word Representations
Arihant Gupta, Syed Sarfaraz Akhtar, Avijit Vajpayee, Arjit Srivastava, Madan Gopal Jhanwar, Manish Shrivastava

Exploiting Word Internal Structures for Generic Chinese Sentence Representation
Shaonan Wang, Jiajun Zhang, Chengqing Zong

High-risk learning: acquiring new word vectors from tiny data
Aurélie Herbelot, Marco Baroni

Word Embeddings based on Fixed-Size Ordinally Forgetting Encoding
Joseph Sanu, Mingbin Xu, Hui Jiang, Quan Liu

VecShare: A Framework for Sharing Word Representation Vectors
Jared Fernandez, Zhaocheng Yu, Doug Downey

Word Re-Embedding via Manifold Dimensionality Retention
Souleiman Hasan, Edward Curry

MUSE: Modularizing Unsupervised Sense Embeddings
Guang-He Lee, Yun-Nung Chen

15:50–17:30 Session 3D: Poster Session. Syntax 2, Room: Aarhus, Chair: Yuval Pinter, Georgia Tech

Multi-Grained Chinese Word Segmentation
Chen Gong, Zhenghua Li, Min Zhang, Xinzhou Jiang

Don't Throw Those Morphological Analyzers Away Just Yet: Neural Morphological Disambiguation for Arabic
Nasser Zalmout, Nizar Habash

Paradigm Completion for Derivational Morphology
Ryan Cotterell, Ekaterina Vylomova, Huda Khayrallah, Christo Kirov, David Yarowsky

A Sub-Character Architecture for Korean Language Processing
Karl Stratos

Do LSTMs really work so well for PoS tagging? – A replication study
Tobias Horsmann, Torsten Zesch

The Labeled Segmentation of Printed Books
Lara McConnaughey, Jennifer Dai, David Bamman

Cross-lingual Character-Level Neural Morphological Tagging
Ryan Cotterell, Georg Heigold

Word-Context Character Embeddings for Chinese Word Segmentation
Hao Zhou, Zhenting Yu, Yue Zhang, Shujian Huang, XIN-YU DAI, Jiajun Chen

Segmentation-Free Word Embedding for Unsegmented Languages
Takamasa Oshikiri

13:40–15:20 Session 2E: Poster Session. Machine Learning 1, Room: Odense, Chair: Pontus Stenetorp, University College London

Reporting Score Distributions Makes a Difference: Performance Study of LSTM-networks for Sequence Tagging
Nils Reimers, Iryna Gurevych

Learning What's Easy: Fully Differentiable Neural Easy-First Taggers
André F. T. Martins, Julia Kreutzer

Incremental Skip-gram Model with Negative Sampling
Nobuhiro Kaji, Hayato Kobayashi

Learning to select data for transfer learning with Bayesian Optimization
Sebastian Ruder, Barbara Plank

Unsupervised Pretraining for Sequence to Sequence Learning
Prajit Ramachandran, Peter Liu, Quoc Le

Efficient Attention using a Fixed-Size Memory Representation
Denny Britz, Melody Guan, Minh-Thang Luong

Rotated Word Vector Representations and their Interpretability
Sungjoon Park, JinYeong Bak, Alice Oh

A causal framework for explaining the predictions of black-box sequence-to-sequence models
David Alvarez-Melis, Tommi Jaakkola

Piecewise Latent Variables for Neural Variational Text Processing
Iulian Vlad Serban, Alexander G. Ororbia, Joelle Pineau, Aaron Courville

Learning the Structure of Variable-Order CRFs: a finite-state perspective
Thomas Lavergne, François Yvon

Sparse Communication for Distributed Gradient Descent
Alham Fikri Aji, Kenneth Heafield

A Joint Many-Task Model: Growing a Neural Network for Multiple NLP Tasks
Kazuma Hashimoto, caiming xiong, Yoshimasa Tsuruoka, Richard Socher

Why ADAGRAD Fails for Online Topic Modeling
You Lu, Jeffrey Lund, Jordan Boyd-Graber

15:50–17:30 Session 3E: Poster Session. Question Answering and Machine Comprehension, Room: Odense, Chair: Jay Pujara, University of Maryland

From Textbooks to Knowledge: A Case Study in Harvesting Axiomatic Knowledge from Textbooks to Solve Geometry Problems
Mrinmaya Sachan, Kumar Dubey, Eric Xing

RACE: Large-scale ReAding Comprehension Dataset From Examinations
Guokun Lai, Qizhe Xie, Hanxiao Liu, Yiming Yang, Eduard Hovy

Beyond Sentential Semantic Parsing: Tackling the Math SAT with a Cascade of Tree Transducers
Mark Hopkins, Cristian Petrescu-Prahova, Roie Levin, Ronan Le Bras, Alvaro Herrasti, Vidur Joshi

Learning Fine-Grained Expressions to Solve Math Word Problems
Danqing Huang, Shuming Shi, Chin-Yew Lin, Jian Yin

Structural Embedding of Syntactic Trees for Machine Comprehension
Rui Liu, Junjie Hu, Wei Wei, Zi Yang, Eric Nyberg

World Knowledge for Reading Comprehension: Rare Entity Prediction with Hierarchical LSTMs Using External Descriptions
Teng Long, Emmanuel Bengio, Ryan Lowe, Jackie Chi Kit Cheung, Doina Precup

Two-Stage Synthesis Networks for Transfer Learning in Machine Comprehension
David Golub, Po-Sen Huang, Xiaodong He, Li Deng

Deep Neural Solver for Math Word Problems
Yan Wang, Xiaojiang Liu, Shuming Shi

Latent Space Embedding for Retrieval in Question-Answer Archives
Deepak P, Dinesh Garg, Shirish Shevade

Question Generation for Question Answering
Nan Duan, Duyu Tang, Peng Chen, Ming Zhou

Learning to Paraphrase for Question Answering
Li Dong, Jonathan Mallinson, Siva Reddy, Mirella Lapata

Temporal Information Extraction for Question Answering Using Syntactic Dependencies in an LSTM-based Architecture
Yuanliang Meng, Anna Rumshisky, Alexey Romanov

Ranking Kernels for Structures and Embeddings: A Hybrid Preference and Classification Model
Kateryna Tymoshenko, Daniele Bonadiman, Alessandro Moschitti

Recovering Question Answering Errors via Query Revision
Semih Yavuz, Izzeddin Gur, Yu Su, Xifeng Yan

13:40–15:20 Session 2F: Poster Session. Sentiment Analysis 1, Room: Copenhagen, Chair: Diyi Yang, Carnegie Mellon University

Recurrent Attention Network on Memory for Aspect Sentiment Analysis
Peng Chen, Zhongqian Sun, Lidong Bing, Wei Yang

A Cognition Based Attention Model for Sentiment Analysis
Yunfei Long, Lu Qin, Rong Xiang, Minglei Li, Chu-Ren Huang

Author-aware Aspect Topic Sentiment Model to Retrieve Supporting Opinions from Reviews
Lahari Poddar, Wynne Hsu, Mong Li Lee

Magnets for Sarcasm: Making Sarcasm Detection Timely, Contextual and Very Personal
Aniruddha Ghosh, Tony Veale

Identifying Humor in Reviews using Background Text Sources
Alex Morales, Chengxiang Zhai

Sentiment Lexicon Construction with Representation Learning Based on Hierarchical Sentiment Supervision
Leyi Wang, Rui Xia

Towards a Universal Sentiment Classifier in Multiple languages
Kui Xu, Xiaojun Wan

Capturing User and Product Information for Document Level Sentiment Analysis with Deep Memory Network
Zi-Yi Dou

Identifying and Tracking Sentiments and Topics from Social Media Texts during Natural Disasters
Min Yang, Jincheng Mei, Heng Ji, zhao wei, Zhou Zhao, Xiaojun Chen

Refining Word Embeddings for Sentiment Analysis
Liang-Chih Yu, Jin Wang, K. Robert Lai, Xuejie Zhang

A Multilayer Perceptron based Ensemble Technique for Fine-grained Financial Sentiment Analysis
Md Shad Akhtar, Abhishek Kumar, Deepanway Ghosal, Asif Ekbal, Pushpak Bhattacharyya

Sentiment Intensity Ranking among Adjectives Using Sentiment Bearing Word Embeddings
Raksha Sharma, Arpan Somani, Lakshya Kumar, Pushpak Bhattacharyya

Sentiment Lexicon Expansion Based on Neural PU Learning, Double Dictionary Lookup, and Polarity Association
Yasheng Wang, Yang Zhang, Bing Liu

15:50–17:30 Session 3F: Poster Session. Multimodal NLP 1, Room: Copenhagen, Chair: Tianze Shi, Cornell University

An empirical study on the effectiveness of images in Multimodal Neural Machine Translation
Jean-Benoit Delbrouck, Stéphane Dupont

Sound-Word2Vec: Learning Word Representations Grounded in Sounds
Ashwin Vijayakumar, Ramakrishna Vedantam, Devi Parikh

The Promise of Premise: Harnessing Question Premises in Visual Question Answering
Aroma Mahendru, Viraj Prabhu, Akrit Mohapatra, Dhruv Batra, Stefan Lee

Guided Open Vocabulary Image Captioning with Constrained Beam Search
Peter Anderson, Basura Fernando, Mark Johnson, Stephen Gould

Zero-Shot Activity Recognition with Verb Attribute Induction
Rowan Zellers, Yejin Choi

Deriving continous grounded meaning representations from referentially structured multimodal contexts
Sina Zarrieß, David Schlangen

Hierarchically-Attentive RNN for Album Summarization and Storytelling
Licheng Yu, Mohit Bansal, Tamara Berg

Video Highlight Prediction Using Audience Chat Reactions
Cheng-Yang Fu, Joon Lee, Mohit Bansal, Alexander Berg

Reinforced Video Captioning with Entailment Rewards
Ramakanth Pasunuru, Mohit Bansal

Evaluating Hierarchies of Verb Argument Structure with Hierarchical Clustering
Jesse Mu, Joshua K. Hartshorne, Timothy O'Donnell

Incorporating Global Visual Features into Attention-based Neural Machine Translation.
Iacer Calixto, Qun Liu

Mapping Instructions and Visual Observations to Actions with Reinforcement Learning
Dipendra Misra, John Langford, Yoav Artzi

An analysis of eye-movements during reading for the detection of mild cognitive impairment
Kathleen C. Fraser, Kristina Lundholm Fors, Dimitrios Kokkinakis, Arto Nordlund

Evaluating Low-Level Speech Features Against Human Perceptual Data
Naomi H Feldman, Caitlin Richter, Harini Salgado, Aren Jansen

10:30–12:10 Session 4A: Reading and Retrieving, Room: Jutland, Chair: Heng Ji, Rensselaer Polytechnic Institute

10:30–10:55 A Structured Learning Approach to Temporal Relation Extraction
Qiang Ning, Zhili Feng, Dan Roth

10:55–11:20 Importance sampling for unbiased on-demand evaluation of knowledge base population
Arun Chaganty, Ashwin Paranjape, Percy Liang, Christopher D. Manning

11:20–11:45 PACRR: A Position-Aware Neural IR Model for Relevance Matching
Kai Hui, Andrew Yates, Klaus Berberich, Gerard de Melo

11:45–12:10 Globally Normalized Reader
Jonathan Raiman, John Miller

13:40–15:20 Session 5A: Semantics 3, Room: Jutland, Chair: Roberto Navigli, Sapienza University of Rome

13:40–14:05 Encoding Sentences with Graph Convolutional Networks for Semantic Role Labeling
Diego Marcheggiani, Ivan Titov

14:05–14:30 Neural Semantic Parsing with Type Constraints for Semi-Structured Tables
Jayant Krishnamurthy, Pradeep Dasigi, Matt Gardner

14:30–14:55 Joint Concept Learning and Semantic Parsing from Natural Language Explanations
Shashank Srivastava, Igor Labutov, Tom Mitchell

14:55–15:20 Grasping the Finer Point: A Supervised Similarity Network for Metaphor Detection
Marek Rei, Luana Bulat, Douwe Kiela, Ekaterina Shutova

15:50–17:30 Session 6A: Machine Translation 2, Room: Jutland, Chair: Timothy Baldwin, University of Melbourne

15:50–16:15 Earth Mover's Distance Minimization for Unsupervised Bilingual Lexicon Induction
Meng Zhang, Yang Liu, Huanbo Luan, Maosong Sun

16:15–16:40 Unfolding and Shrinking Neural Machine Translation Ensembles
Felix Stahlberg, Bill Byrne

16:40–17:05 Graph Convolutional Encoders for Syntax-aware Neural Machine Translation
Joost Bastings, Ivan Titov, Wilker Aziz, Diego Marcheggiani, Khalil Simaan

17:05–17:30 Trainable Greedy Decoding for Neural Machine Translation
Jiatao Gu, Kyunghyun Cho, Victor O.K. Li

10:30–12:10 Session 4B: Multimodal NLP 2, Room: Funen, Chair: Brian Roark, Google

10:30–10:55 Speech segmentation with a neural encoder model of working memory
Micha Elsner, Cory Shain

10:55–11:20 Speaking, Seeing, Understanding: Correlating semantic models with conceptual representation in the brain
Luana Bulat, Stephen Clark, Ekaterina Shutova

11:20–11:45 Multi-modal Summarization for Asynchronous Collection of Text, Image, Audio and Video
Haoran Li, Junnan Zhu, Cong Ma, Jiajun Zhang, Chengqing Zong

11:45–12:10 Tensor Fusion Network for Multimodal Sentiment Analysis
Amir Zadeh, Minghai Chen, Soujanya Poria, Erik Cambria, Louis-Philippe Morency

13:40–15:20 Session 5B: Computational Social Science 1, Room: Funen, Chair: Smith, Noah A., University of Washington

13:40–14:05 Identifying civilians killed by police with distantly supervised entity-event extraction
Katherine Keith, Abram Handler, Michael Pinkham, Cara Magliozzi, Joshua McDuffie, Brendan O'Connor

14:05–14:30 Asking too much? The rhetorical role of questions in political discourse
Justine Zhang, Arthur Spirling, Cristian Danescu-Niculescu-Mizil

14:30–14:55 Detecting Perspectives in Political Debates
David Vilares, Yulan He

14:55–15:20 "i have a feeling trump will win.....": Forecasting Winners and Losers from User Predictions on Twitter
Sandesh Swamy, Alan Ritter, Marie-Catherine de Marneffe

15:50–17:30 Session 6B: Text Mining and NLP applications, Room: Funen, Chair: Jill Burstein, ETS

15:50–16:15 Satirical News Detection and Analysis using Attention Mechanism and Linguistic Features
Fan Yang, Arjun Mukherjee, Eduard Dragut

16:15–16:40 Fine Grained Citation Span for References in Wikipedia
Besnik Fetahu, Katja Markert, Avishek Anand

16:40–17:05 Joint Modeling of Topics, Citations, and Topical Authority in Academic Corpora
Jooyeon Kim, Dongwoo Kim, Alice Oh

17:05–17:30 Identifying Semantic Edit Intentions from Revisions in Wikipedia
Diyi Yang, Aaron Halfaker, Robert Kraut, Eduard Hovy

10:30–12:10 Session 4C: Human Centered NLP and Linguistic Theory, Room: Zealand, Chair: Alan Ritter, Ohio State University

10:30–10:55 ConStance: Modeling Annotation Contexts to Improve Stance Classification
Kenneth Joseph, Lisa Friedland, William Hobbs, David Lazer, Oren Tsur

10:55–11:20 Deeper Attention to Abusive User Content Moderation
John Pavlopoulos, Prodromos Malakasiotis, Ion Androutsopoulos

11:20–11:45 Outta Control: Laws of Semantic Change and Inherent Biases in Word Representation Models
haim dubossarsky, Daphna Weinshall, Eitan Grossman

11:45–12:10 Human Centered NLP with User-Factor Adaptation
Veronica Lynn, Youngseo Son, Vivek Kulkarni, Niranjan Balasubramanian, H. Andrew Schwartz

13:40–15:20 Session 5C: Sentiment Analysis 2, Room: Zealand, Chair: Pascale Fung, Hong Kong University of Science & Technology

13:40–14:05 A Question Answering Approach for Emotion Cause Extraction
Lin Gui, Jiannan Hu, Yulan He, Ruifeng Xu, Lu Qin, Jiachen Du

14:05–14:30 Story Comprehension for Predicting What Happens Next
Snigdha Chaturvedi, Haoruo Peng, Dan Roth

14:30–14:55 Using millions of emoji occurrences to learn any-domain representations for detecting sentiment, emotion and sarcasm
Bjarke Felbo, Alan Mislove, Anders Søgaard, Iyad Rahwan, Sune Lehmann

14:55–15:20 Opinion Recommendation Using A Neural Model
Zhongqing Wang, Yue Zhang

15:50–17:30 Session 6C: Machine Comprehension, Room: Zealand, Chair: Ndapa Nakashole, University of California, San Diego

15:50–16:15 Accurate Supervised and Semi-Supervised Machine Reading for Long Documents
Daniel Hewlett, Llion Jones, Alexandre Lacoste, izzeddin gur

16:15–16:40 Adversarial Examples for Evaluating Reading Comprehension Systems
Robin Jia, Percy Liang

16:40–17:05 Reasoning with Heterogeneous Knowledge for Commonsense Machine Comprehension
Hongyu Lin, Le Sun, Xianpei Han

17:05–17:30 Document-Level Multi-Aspect Sentiment Classification as Machine Comprehension
Yichun Yin, Yangqiu Song, Ming Zhang

10:30–12:10 Session 4D: Poster Session. Semantics 2, Room: Aarhus, Chair: Ivan Vulić, University of Cambridge

Neural Sequence Learning Models for Word Sense Disambiguation
Alessandro Raganato, Claudio Delli Bovi, Roberto Navigli

Learning Word Relatedness over Time
Guy D. Rosin, Eytan Adar, Kira Radinsky

Inter-Weighted Alignment Network for Sentence Pair Modeling
Gehui Shen, Yunlun Yang, Zhi-Hong Deng

A Short Survey on Taxonomy Learning from Text Corpora: Issues, Resources and Recent Advances
Chengyu Wang, Xiaofeng He, Aoying Zhou

Idiom-Aware Compositional Distributed Semantics
Pengfei Liu, Kaiyu Qian, Xipeng Qiu, Xuanjing Huang

Macro Grammars and Holistic Triggering for Efficient Semantic Parsing
Yuchen Zhang, Panupong Pasupat, Percy Liang

A Continuously Growing Dataset of Sentential Paraphrases
Wuwei Lan, Siyu Qiu, Hua He, Wei Xu

Cross-domain Semantic Parsing via Paraphrasing
Yu Su, Xifeng Yan

A Joint Sequential and Relational Model for Frame-Semantic Parsing
Bishan Yang, Tom Mitchell

Getting the Most out of AMR Parsing
Chuan Wang, Nianwen Xue

AMR Parsing using Stack-LSTMs
Miguel Ballesteros, Yaser Al-Onaizan

An End-to-End Deep Framework for Answer Triggering with a Novel Group-Level Objective
Jie Zhao, Yu Su, Ziyu Guan, Huan Sun

Predicting Word Association Strengths
Andrew Cattle, Xiaojuan Ma

13:40–15:20 Session 5D: Poster Session. Syntax 3, Room: Aarhus, Chair: Ryan Cotterell, Johns Hopkins University

CRF Autoencoder for Unsupervised Dependency Parsing
Jiong Cai, Yong Jiang, Kewei Tu

Efficient Discontinuous Phrase-Structure Parsing via the Generalized Maximum Spanning Arborescence
Caio Corro, Joseph Le Roux, Mathieu Lacroix

Incremental Graph-based Neural Dependency Parsing
Xiaoqing Zheng

Neural Discontinuous Constituency Parsing
Miloš Stanojević, Raquel Garrido Alhama

Stack-based Multi-layer Attention for Transition-based Dependency Parsing
Zhirui Zhang, Shujie Liu, Mu Li, Ming Zhou, Enhong Chen

Dependency Grammar Induction with Neural Lexicalization and Big Training Data
Wenjuan Han, Yong Jiang, Kewei Tu

Combining Generative and Discriminative Approaches to Unsupervised Dependency Parsing via Dual Decomposition
Yong Jiang, Wenjuan Han, Kewei Tu

Effective Inference for Generative Neural Parsing
Mitchell Stern, Daniel Fried, Dan Klein

Semi-supervised Structured Prediction with Neural CRF Autoencoder
Xiao Zhang, Yong Jiang, Hao Peng, Kewei Tu, Dan Goldwasser

TAG Parsing with Neural Networks and Vector Representations of Supertags
Jungo Kasai, Bob Frank, Tom McCoy, Owen Rambow, Alexis Nasr

15:50–17:30 Session 6D: Poster Session. Summarization, Generation, Dialog, and Discourse 1, Room: Aarhus, Chair: Yangfeng Ji, University of Washington

What is the Essence of a Claim? Cross-Domain Claim Identification
Johannes Daxenberger, Steffen Eger, Ivan Habernal, Christian Stab, Iryna Gurevych

Identifying Where to Focus in Reading Comprehension for Neural Question Generation
Xinya Du, Claire Cardie

Break it Down for Me: A Study in Automated Lyric Annotation
Lucas Sterckx, Jason Naradowsky, Bill Byrne, Thomas Demeester, Chris Develder

Cascaded Attention based Unsupervised Information Distillation for Compressive Summarization
Piji Li, Wai Lam, Lidong Bing, Weiwei Guo, Hang Li

Deep Recurrent Generative Decoder for Abstractive Text Summarization
Piji Li, Wai Lam, Lidong Bing, Zihao Wang

Extractive Summarization Using Multi-Task Learning with Document Classification
Masaru Isonuma, Toru Fujino, Junichiro Mori, Yutaka Matsuo, Ichiro Sakata

Towards Automatic Construction of News Overview Articles by News Synthesis
Jianmin Zhang, Xiaojun Wan

Joint Syntacto-Discourse Parsing and the Syntacto-Discourse Treebank
Kai Zhao, Liang Huang

Event Coreference Resolution by Iteratively Unfolding Inter-dependencies among Events
Prafulla Kumar Choubey, Ruihong Huang

When to Finish? Optimal Beam Search for Neural Text Generation (modulo beam size)
Liang Huang, Kai Zhao, Mingbo Ma

Steering Output Style and Topic in Neural Response Generation
Di Wang, Nebojsa Jojic, Chris Brockett, Eric Nyberg

10:30–12:10 Session 4E: Poster Session. Discourse, Room: Odense, Chair: Sam Wiseman, Harvard University

Learning Contextually Informed Representations for Linear-Time Discourse Parsing
Yang Liu, Mirella Lapata

Multi-task Attention-based Neural Networks for Implicit Discourse Relationship Representation and Identification
Man Lan, Jianxiang Wang, Yuanbin Wu, Zheng-Yu Niu, Haifeng Wang

Chinese Zero Pronoun Resolution with Deep Memory Network
Qingyu Yin, Yu Zhang, Weinan Zhang, Ting Liu

How much progress have we made on RST discourse parsing? A replication study of recent results on the RST-DT
Mathieu Morey, Philippe Muller, Nicholas Asher

What is it? Disambiguating the different readings of the pronoun 'it'
Sharid Loáiciga, Liane Guillou, Christian Hardmeier

Revisiting Selectional Preferences for Coreference Resolution
Benjamin Heinzerling, Nafise Sadat Moosavi, Michael Strube

Learning to Rank Semantic Coherence for Topic Segmentation
Liang Wang, Sujian Li, Yajuan Lv, Houfeng WANG

GRASP: Rich Patterns for Argumentation Mining
Eyal Shnarch, Ran Levy, Vikas Raykar, Noam Slonim

Patterns of Argumentation Strategies across Topics
Khalid Al Khatib, Henning Wachsmuth, Matthias Hagen, Benno Stein

Using Argument-based Features to Predict and Analyse Review Helpfulness
Haijing Liu, Yang Gao, Pin Lv, Mengxue Li, Shiqiang Geng, Minglan Li, Hao Wang

Here's My Point: Joint Pointer Architecture for Argument Mining
Peter Potash, Alexey Romanov, Anna Rumshisky

Identifying attack and support argumentative relations using deep learning
Oana Cocarascu, Francesca Toni

13:40–15:20 Session 5E: Poster Session. Relations, Room: Odense, Chair: Bishan Yang, Carnegie Mellon University

Global Normalization of Convolutional Neural Networks for Joint Entity and Relation Classification
Heike Adel, Hinrich Schütze

End-to-End Neural Relation Extraction with Global Optimization
Meishan Zhang, Yue Zhang, Guohong Fu

KGEval: Accuracy Estimation of Automatically Constructed Knowledge Graphs
Prakhar Ojha, Partha Talukdar

Sparsity and Noise: Where Knowledge Graph Embeddings Fall Short
Jay Pujara, Eriq Augustine, Lise Getoor

Dual Tensor Model for Detecting Asymmetric Lexico-Semantic Relations
Goran Glavaš, Simone Paolo Ponzetto

Incorporating Relation Paths in Neural Relation Extraction
Wenyuan Zeng, Yankai Lin, Zhiyuan Liu, Maosong Sun

Adversarial Training for Relation Extraction
Yi Wu, David Bamman, Stuart Russell

Context-Aware Representations for Knowledge Base Relation Extraction
Daniil Sorokin, Iryna Gurevych

A Soft-label Method for Noise-tolerant Distantly Supervised Relation Extraction
Tianyu Liu, Kexiang Wang, Baobao Chang, Zhifang Sui

A Sequential Model for Classifying Temporal Relations between Intra-Sentence Events
Prafulla Kumar Choubey, Ruihong Huang

Deep Residual Learning for Weakly-Supervised Relation Extraction
YiYao Huang, William Yang Wang

Noise-Clustered Distant Supervision for Relation Extraction: A Nonparametric Bayesian Perspective
Qing Zhang, Houfeng Wang

Exploring Vector Spaces for Semantic Relations
Kata Gábor, Haifa Zargayouna, Isabelle Tellier, Davide Buscaldi, Thierry Charnois

Temporal dynamics of semantic relations in word embeddings: an application to predicting armed conflict participants
Andrey Kutuzov, Erik Velldal, Lilja Øvrelid

15:50–17:30 Session 6E: Poster Session. Summarization, Generation, Dialog, and Discourse 2, Room: Odense, Chair: Natalie Schluter, IT University of Copenhagen, Chair: 2 Elkin Dario Gutierrez

Preserving Distributional Information in Dialogue Act Classification
Quan Hung Tran, Ingrid Zukerman, Gholamreza Haffari

Adversarial Learning for Neural Dialogue Generation
Jiwei Li, Will Monroe, Tianlin Shi, Sébastien Jean, Alan Ritter, Dan Jurafsky

Using Context Information for Dialog Act Classification in DNN Framework
Yang Liu, Kun Han, Zhao Tan, Yun Lei

Modeling Dialogue Acts with Content Word Filtering and Speaker Preferences
Yohan Jo, Michael Yoder, Hyeju Jang, Carolyn Rose

Towards Implicit Content-Introducing for Generative Short-Text Conversation Systems
Lili Yao, Yaoyuan Zhang, Yansong Feng, Dongyan Zhao, Rui Yan

Affordable On-line Dialogue Policy Learning
Cheng Chang, Runzhe Yang, Lu Chen, Xiang Zhou, Kai Yu

Generating High-Quality and Informative Conversation Responses with Sequence-to-Sequence Models
Yuanlong Shao, Stephan Gouws, Denny Britz, Anna Goldie, Brian Strope, Ray Kurzweil

Bootstrapping incremental dialogue systems from minimal data: the generalisation power of dialogue grammars
Arash Eshghi, Igor Shalyminov, Oliver Lemon

Composite Task-Completion Dialogue Policy Learning via Hierarchical Deep Reinforcement Learning
Baolin Peng, Xiujun Li, Lihong Li, Jianfeng Gao, Asli Celikyilmaz, Sungjin Lee, Kam-Fai Wong

Why We Need New Evaluation Metrics for NLG
Jekaterina Novikova, Ondřej Dušek, Amanda Cercas Curry, Verena Rieser

Challenges in Data-to-Document Generation
Sam Wiseman, Stuart Shieber, Alexander Rush

10:30–12:10 Session 4F: Poster Session. Machine Translation and Multilingual NLP 1, Room: Copenhagen, Chair: Anahita Mansouri Bigvand, Simon Fraser University

Neural Lattice-to-Sequence Models for Uncertain Inputs
Matthias Sperber, Graham Neubig, Jan Niehues, Alex Waibel

Memory-augmented Neural Machine Translation
Yang Feng, Shiyue Zhang, Andi Zhang, Dong Wang, Andrew Abel

Dynamic Data Selection for Neural Machine Translation
Marlies van der Wees, Arianna Bisazza, Christof Monz

Neural Machine Translation Leveraging Phrase-based Models in a Hybrid Search
Leonard Dahlmann, Evgeny Matusov, Pavel Petrushkov, Shahram Khadivi

Translating Phrases in Neural Machine Translation
Xing Wang, Zhaopeng Tu, Deyi Xiong, Min Zhang

Towards Bidirectional Hierarchical Representations for Attention-based Neural Machine Translation
Baosong Yang, Derek F. Wong, Tong Xiao, Lidia S. Chao, Jingbo Zhu

Exploring Hyperparameter Sensitivity in Neural Machine Translation Architectures
Denny Britz, Anna Goldie, Minh-Thang Luong, Quoc Le

Learning Translations via Matrix Completion
Derry Tanti Wijaya, Brendan Callahan, John Hewitt, Jie Gao, Xiao Ling, Marianna Apidianaki, Chris Callison-Burch

Reinforcement Learning for Bandit Neural Machine Translation with Simulated Human Feedback
Khanh Nguyen, Hal Daumé III, Jordan Boyd-Graber

Towards Compact and Fast Neural Machine Translation Using a Combined Method
Xiaowei Zhang, Wei Chen, Feng Wang, Shuang Xu, Bo Xu

Instance Weighting for Neural Machine Translation Domain Adaptation
Rui Wang, Masao Utiyama, Lemao Liu, Kehai Chen, Eiichiro Sumita

Regularization techniques for fine-tuning in neural machine translation
Antonio Valerio Miceli Barone, Barry Haddow, Ulrich Germann, Rico Sennrich

Source-Side Left-to-Right or Target-Side Left-to-Right? An Empirical Comparison of Two Phrase-Based Decoding Algorithms
Yin-Wen Chang, Michael Collins

Using Target-side Monolingual Data for Neural Machine Translation through Multi-task Learning
Tobias Domhan, Felix Hieber

13:40–15:20 Session 5F: Poster Session. Language Models, Text Mining, and Crowd Sourcing, Room: Copenhagen, Chair: Allen Schmaltz, Harvard University

Dynamic Entity Representations in Neural Language Models
Yangfeng Ji, Chenhao Tan, Sebastian Martschat, Yejin Choi, Noah A. Smith

Towards Quantum Language Models
Ivano Basile, Fabio Tamburini

Reference-Aware Language Models
Zichao Yang, Phil Blunsom, Chris Dyer, Wang Ling

A Simple Language Model based on PMI Matrix Approximations
Oren Melamud, Ido Dagan, Jacob Goldberger

Syllable-aware Neural Language Models: A Failure to Beat Character-aware Ones
Zhenisbek Assylbekov, Rustem Takhanov, Bagdat Myrzakhmetov, Jonathan N. Washington

Inducing Semantic Micro-Clusters from Deep Multi-View Representations of Novels
Lea Frermann, György Szarvas

Initializing Convolutional Filters with Semantic Features for Text Classification
Shen Li, Zhe Zhao, Tao Liu, Renfen Hu, Xiaoyong Du

Shortest-Path Graph Kernels for Document Similarity
Giannis Nikolentzos, Polykarpos Meladianos, Francois Rousseau, Yannis Stavrakas, Michalis Vazirgiannis

Adapting Topic Models using Lexical Associations with Tree Priors
Weiwei Yang, Jordan Boyd-Graber, Philip Resnik

Finding Patterns in Noisy Crowds: Regression-based Annotation Aggregation for Crowdsourced Data
Natalie Parde, Rodney Nielsen

CROWD-IN-THE-LOOP: A Hybrid Approach for Annotating Semantic Roles
Chenguang Wang, Alan Akbik, laura chiticariu, Yunyao Li, Fei Xia, Anbang Xu

15:50–17:30 Session 6F: Poster Session. Computational Social Science 2, Room: Copenhagen, Chair: Afshin Rahimi, University of Melbourne

All that is English may be Hindi: Enhancing language identification through automatic ranking of the likeliness of word borrowing in social media
Jasabanta Patro, Bidisha Samanta, Saurabh Singh, Abhipsa Basu, Prithwish Mukherjee, Monojit Choudhury, Animesh Mukherjee

Multi-View Unsupervised User Feature Embedding for Social Media-based Substance Use Prediction
Tao Ding, Warren K. Bickel, Shimei Pan

Demographic-aware word associations
Aparna Garimella, Carmen Banea, Rada Mihalcea

A Factored Neural Network Model for Characterizing Online Discussions in Vector Space
Hao Cheng, Hao Fang, Mari Ostendorf

Dimensions of Interpersonal Relationships: Corpus and Experiments
Farzana Rashid, Eduardo Blanco

Argument Mining on Twitter: Arguments, Facts and Sources
Mihai Dusmanu, Elena Cabrio, Serena Villata

Distinguishing Japanese Non-standard Usages from Standard Ones
Tatsuya Aoki, Ryohei Sasano, Hiroya Takamura, Manabu Okumura

Connotation Frames of Power and Agency in Modern Films
Maarten Sap, Marcella Cindy Prasettio, Ari Holtzman, Hannah Rashkin, Yejin Choi

Controlling Human Perception of Basic User Traits
Daniel Preoţiuc-Pietro, Sharath Chandra Guntuku, Lyle Ungar

Topic Signatures in Political Campaign Speeches
Clément Gautrais, Peggy Cellier, René Quiniou, Alexandre Termier

Assessing Objective Recommendation Quality through Political Forecasting
H. Andrew Schwartz, Masoud Rouhizadeh, Michael Bishop, Philip Tetlock, Barbara Mellers, Lyle Ungar

Never Abandon Minorities: Exhaustive Extraction of Bursty Phrases on Microblogs Using Set Cover Problem
Masumi Shirakawa, Takahiro Hara, Takuya Maekawa