Mohit Bansal

Assistant Professor, Computer Science, UNC Chapel Hill
Director, UNC-NLP Lab

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University of North Carolina at Chapel Hill
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Google Scholar Profile

Research Interests

Statistical Natural Language Processing (NLP), Machine Learning, Multimodal Artificial Intelligence.
Current focus: Multimodal, grounded, and embodied semantics (i.e., language with vision and speech, for robotics), human-like language generation and Q&A/dialogue, and interpretable and generalizable deep learning.

Education

University of California, Berkeley *(2008-2013)*
Ph.D. in Computer Science
Thesis: Surface Web Semantics for Structured Natural Language Processing
Advisor: Dan Klein. Committee members: Dan Klein, Marti Hearst, Line Mikkelsen, Nelson Morgan

University of California, Berkeley *(2012)*
Master of Science (M.S.) in Computer Science
Thesis: An All-Fragments Grammar for Simple and Accurate Parsing
Advisor: Dan Klein

Indian Institute of Technology, Kanpur *(2004-2008)*
Bachelor of Technology (B.Tech.) in Computer Science and Engineering
GPA: 3.96/4.00 (Institute and Department Rank 2)

Cornell University *(Summer 2007)*
CS490 (Independent Research and Reading)
GPA: 4.00/4.00
Advisors: Lillian Lee, Claire Cardie

Honors, Awards, and Funding

Salesforce Research Deep Learning Grant *(2018)*

Facebook Faculty Research Award *(2018)*

IBM Faculty Award *(2018)*

Army Research Office Young Investigator Award (ARO-YIP) *(2018)*

'Area Chair Favorites' Paper Award, COLING *(2018)*

Adobe Faculty Research Award *(2018)*

Verisk AI Faculty Research Award *(2018)*

DARPA Young Faculty Award (DARPA-YFA) *(2017)*

Best/Outstanding Reviewer Award, COLING *(2018)*, NAACL *(2018)*, NAACL *(2015)*, EMNLP *(2012)*

Facebook ParlAI Faculty Research Award *(2017)*

Outstanding Paper Award, ACL *(2017)*

UNC University Research Council (URC) Small Grant Program *(2017)*

Google Faculty Research Award *(2016)*

NVidia Hardware Grant *(2016, 2017, 2018)*

UNC Junior Faculty Development Award *(2016)*

Best Paper Award, ACL Representation Learning for NLP Workshop *(2016)*

Bloomberg Data Science Research Grant *(2016)*

NVidia Paper Award, NIPS Multimodal Machine Learning Workshop *(2015)*

Google Faculty Research Award *(2014)*

IBM Faculty Award *(2014)*

Best Paper Award Honorable Mention (top-5 paper), ACL *(2014)*

Outstanding Graduate Student Instructor Award, UC Berkeley *(2011-2012)*

Qualcomm Innovation Fellowship *(2011)*

Tong Leong Lim Pre-Doctoral Prize, EECS, UC Berkeley *(2011)*

Cornell Summer Research Fellowship, CS, Cornell University *(2007)*

INLAKS Fellowship – Award of Excellence at IITs *(2005-2008)*

OPJEMS Fellowship, IIT Kanpur *(2007-2008)*

Academic Excellence Award, IIT Kanpur *(2004-2005 and 2005-2006)*

Other Funding:

NSF Future of Work at the Human-Technology Frontier (UNC Co-PI)

ONR Advancing Artificial Intelligence for the Naval Domain (UNC PI)

Research and Work Experience

UNC Chapel Hill, Computer Science Dept. *(2016 – present)*
Assistant Professor
Director, UNC-NLP Lab

Toyota Technological Institute at Chicago *(2013 – 2016)*
Research Assistant Professor (3-year endowed position)

IARPA Babel Project, Swordfish team *(Feb 2014 – June 2014)*
Member/Consultant

University of California, Berkeley *(2008 – 2013)*
Graduate Student Researcher (Advisor: Dan Klein)

Google Research, Mountain View *(Summer 2011)*
Research Intern (with John DeNero and Dekang Lin)

Microsoft Research, Redmond *(Summer 2010)*
Research Intern (with Chris Quirk and Bob Moore)

Cornell University, CS division *(Summer 2007)*
Research Intern (with Lillian Lee and Claire Cardie)

Publications

(most conferences below, including short paper proceedings have a <25% acceptance rate; here is the google scholar based list of top-ranked conferences in [NLP], [vision], [AI/ML], [robotics])

Peer-reviewed Publications:

69. Combining Fact Extraction and Verification with Neural Semantic Matching Networks
Yixin Nie, Haonan Chen, and Mohit Bansal
Proceedings of **AAAI 2019**. [pdf]

68. Analyzing Compositionality-Sensitivity of NLI Models
Yixin Nie, Yicheng Wang, and Mohit Bansal
Proceedings of **AAAI 2019**. [pdf]

67. Closed-Book Training to Improve Summarization Encoder Memory
Yichen Jiang and Mohit Bansal
Proceedings of **EMNLP 2018**. [pdf]

66. SafeCity: Understanding Diverse Forms of Sexual Harassment Personal Stories
Sweta Karlekar and Mohit Bansal
Proceedings of **EMNLP 2018** (short papers). [pdf]

65. Commonsense for Generative Multi-Hop Question Answering Tasks
Lisa Bauer, Yicheng Wang, and Mohit Bansal
Proceedings of **EMNLP 2018**. [pdf]

64. Game-Based Video-Context Dialogue
Ramakanth Pasunuru and Mohit Bansal
Proceedings of **EMNLP 2018**. [pdf]

63. TVQA: Localized, Compositional Video Question Answering
Jie Lei, Licheng Yu, Mohit Bansal, and Tamara Berg
Proceedings of **EMNLP 2018**. [pdf]

62. Incorporating Background Knowledge into Video Description Generation
Spencer Whitehead, Heng Ji, Mohit Bansal, Shih-Fu Chang, and Clare Voss
Proceedings of **EMNLP 2018**. [pdf]

61. Adversarial Over-Sensitivity and Over-Stability Strategies for Dialogue Models
Tong Niu and Mohit Bansal
Proceedings of **CoNLL 2018**. [pdf]

60. Combining Fact Extraction and Claim Verification in an NLI Model
Yixin Nie, Haonan Chen, and Mohit Bansal
In **Fact Extraction and Verification (FEVER) Workshop, EMNLP 2018**. [pdf]
(1st Rank Model in Shared Task)

59. Dynamic Multi-Level, Multi-Task Learning for Sentence Simplification
Han Guo, Ramakanth Pasunuru and Mohit Bansal
Proceedings of **COLING 2018**. [pdf]
('Area Chair Favorites' Paper Award)

58. Polite Dialogue Generation Without Parallel Data
Tong Niu and Mohit Bansal
Proceedings of **TACL 2018**. [pdf]

57. Fast Abstractive Summarization with Reinforce-Selected Sentence Rewriting
Yen-Chun Chen and Mohit Bansal
Proceedings of **ACL 2018**. [pdf]

56. Soft, Layer-Specific Multi-Task Summarization with Entailment and Question Generation
Han Guo, Ramakanth Pasunuru, and Mohit Bansal
Proceedings of **ACL 2018**. [pdf]

55. #MeToo: Neural Detection and Explanation of Language in Personal Abuse Stories
Sweta Karlekar and Mohit Bansal
Proceedings of **WiNLP 2018 (Widening NLP Workshop), NAACL 2018**. [pdf]

54. Object Ordering with Bidirectional Matchings for Visual Reasoning
Hao Tan and Mohit Bansal
Proceedings of **NAACL 2018** (short papers). [pdf]
(Top Image Leaderboard Position)

53. Multi-Reward Reinforced Summarization with Saliency and Entailment
Ramakanth Pasunuru and Mohit Bansal
Proceedings of **NAACL 2018** (short papers). [pdf]

52. Detecting Linguistic Characteristics of Alzheimer's Dementia by Interpreting Neural Models
Sweta Karlekar, Tong Niu, and Mohit Bansal
Proceedings of **NAACL 2018** (short papers). [pdf]

51. Robust Machine Comprehension Models via Adversarial Training
Yicheng Wang and Mohit Bansal
Proceedings of **NAACL 2018** (short papers). [pdf]

50. Punny Captions: Witty Wordplay in Image Descriptions
Arjun Chandrasekaran, Devi Parikh, and Mohit Bansal
Proceedings of **NAACL 2018** (short papers). [pdf]

49. Joint Modeling of Text and Acoustic-Prosodic Cues for Neural Parsing
Trang Tran, Shubham Toshniwal, Mohit Bansal, Kevin Gimpel, Karen Livescu, and Mari Ostendorf
Proceedings of **NAACL 2018**. [pdf]

48. MAttNet: Modular Attention Network for Referring Expression Comprehension
Licheng Yu, Zhe Lin, Xiaohui Shen, Jimei Yang, Xin Lu, Mohit Bansal, and Tamara Berg
Proceedings of **CVPR 2018**. [pdf]

47. Source-Target Inference Models for Spatial Instruction Understanding
Hao Tan and Mohit Bansal
Proceedings of **AAAI 2018**. [pdf]

46. Retweet Wars: Tweet Popularity Prediction via Multimodal Regression
Ke Wang, Mohit Bansal, and Jan-Michael Frahm
Proceedings of **WACV 2018**. [pdf]

45. Interactive-Length Multi-Task Video Captioning with Cooperative Feedback
Han Guo, Ramakanth Pasunuru, and Mohit Bansal
Proceedings of **NIPS 2017** (demo papers).

44. Reinforced Video Captioning with Entailment Rewards
Ramakanth Pasunuru and Mohit Bansal
Proceedings of **EMNLP 2017** (short papers). [pdf]

43. Hierarchically-Attentive RNN for Album Summarization and Storytelling
Licheng Yu, Mohit Bansal, and Tamara Berg
Proceedings of **EMNLP 2017** (short papers). [pdf]

42. Video Highlight Prediction Using Audience Chat Reactions
Cheng-Yang Fu, Joon Lee, Mohit Bansal, and Alexander Berg
Proceedings of **EMNLP 2017** (short papers). [pdf]

41. Shortcut-Stacked Sentence Encoders for Multi-Domain Inference
Yixin Nie and Mohit Bansal
Proceedings of **RepEval Workshop, EMNLP 2017**. [pdf]
(Top Single Model in Shared Task)

40. Towards Improving Abstractive Summarization via Entailment Generation
Ramakanth Pasunuru, Han Guo, and Mohit Bansal
Proceedings of **Summarization Frontiers Workshop, EMNLP 2017**. [pdf]
(Contributed Talk)

39. Multi-Task Video Captioning with Video and Entailment Generation
Ramakanth Pasunuru and Mohit Bansal
Proceedings of **ACL 2017**. [pdf]
(Outstanding Paper Award; 1.5% accep. rate)

38. A Joint Speaker-Listener-Reinforcer Model for Referring Expressions
Licheng Yu, Hao Tan, Mohit Bansal, and Tamara L. Berg
Proceedings of **CVPR 2017**. [pdf]
(Spotlight; 8.0% accep. rate)

37. Navigational Instruction Generation as Inverse Reinforcement Learning with Neural Machine Translation
Andrea F. Daniele, Mohit Bansal, and Matthew R. Walter
Proceedings of **HRI 2017**. [pdf]

36. Contextual RNN-GANs for Abstract Reasoning Diagram Generation
Arnab Ghosh, Viveka Kulharia, Amitabha Mukerjee, Vinay Namboodiri, and Mohit Bansal
Proceedings of **AAAI 2017**. [pdf]

35. Coherent Dialogue with Attention-based Language Models
Hongyuan Mei, Mohit Bansal, and Matthew Walter
Proceedings of **AAAI 2017**. [pdf]

34. Interpreting Neural Networks to Improve Politeness Comprehension
Malika Aubakirova and Mohit Bansal
Proceedings of **EMNLP 2016** (short papers). [pdf]

33. Sort Story: Sorting Jumbled Images and Captions into Stories
Harsh Agrawal, Arjun Chandrasekaran, Dhruv Batra, Devi Parikh, and Mohit Bansal
Proceedings of **EMNLP 2016** (short papers). [pdf]

32. Question Relevance in VQA: Identifying Non-Visual And False-Premise Questions
Arijit Ray, Gordon Christie, Mohit Bansal, Dhruv Batra, and Devi Parikh
Proceedings of **EMNLP 2016** (short papers). [pdf]

31. Who did What: A Large-Scale Person-Centered Cloze Dataset
Takeshi Onishi, Hai Wang, Mohit Bansal, Kevin Gimpel, and David McAllester
Proceedings of **EMNLP 2016** (short papers). [pdf]

30. Charagram: Embedding Words and Sentences via Character n-grams
John Wieting, Mohit Bansal, Kevin Gimpel, and Karen Livescu
Proceedings of **EMNLP 2016**. [pdf]

29. End-to-end Relation Extraction using LSTMs on Sequences and Tree Structures
Makoto Miwa and Mohit Bansal
Proceedings of **ACL 2016**. [pdf]

28. Mapping Unseen Words to Task-Trained Embedding Spaces
Pranava Swaroop Madhyastha, Mohit Bansal, Kevin Gimpel, and Karen Livescu
Proceedings of **Workshop on Representation Learning for NLP, ACL 2016**. [pdf]
(Best Paper Award)

27. What to talk about and how? Selective Generation using LSTMs with Coarse-to-Fine Alignment
Hongyuan Mei, Mohit Bansal, and Matthew R. Walter
Proceedings of **NAACL 2016**. [pdf]

26. The Role of Context Types and Dimensionality in Learning Word Embeddings
Oren Melamud, David McClosky, Siddharth Patwardhan, and Mohit Bansal
Proceedings of **NAACL 2016**. [pdf]

25. We Are Humor Beings: Understanding and Predicting Visual Humor
Arjun Chandrasekaran, Ashwin Kalyan, Stanislaw Antol, Mohit Bansal, Dhruv Batra, C. Lawrence Zitnick, and Devi Parikh
Proceedings of **CVPR 2016**. [pdf]
(Spotlight; 9.7% accep. rate)

24. Towards Universal Paraphrastic Sentence Embeddings
John Wieting, Mohit Bansal, Kevin Gimpel, and Karen Livescu
Proceedings of **ICLR 2016**. [pdf]
(Oral; 5.7% accep. rate)

23. Listen, Attend, and Walk: Neural Mapping of Navigational Instructions to Action Sequences
Hongyuan Mei, Mohit Bansal, and Matthew R. Walter
Proceedings of **AAAI 2016**. [pdf]
(***NVidia Paper Award*** in **NIPS 2015 Multimodal Machine Learning** workshop)

22. Machine Comprehension with Syntax, Frames, and Semantics
Hai Wang, Mohit Bansal, Kevin Gimpel, and David McAllester
Proceedings of **ACL 2015** (short papers). [pdf]

21. From Paraphrase Database to Compositional Paraphrase Model and Back
John Wieting, Mohit Bansal, Kevin Gimpel, Karen Livescu, and Dan Roth
Proceedings of **TACL** (presented at **EMNLP 2015**). [pdf]

20. Dependency Link Embeddings: Continuous Representations of Syntactic Substructures
Mohit Bansal
Proceedings of **Workshop on Vector Space Modeling for NLP, NAACL 2015**. [pdf]
(Selected oral)

19. Deep Multilingual Correlation for Improved Word Embeddings
Ang Lu, Weiran Wang, Mohit Bansal, Kevin Gimpel, and Karen Livescu
Proceedings of **NAACL 2015** (short papers). [pdf]

18. A Sense-Topic Model for Word Sense Induction with Unsupervised Data Enrichment
Jing Wang, Mohit Bansal, Kevin Gimpel, Brian Ziebart, and Clement Yu
Proceedings of **TACL** (presented at **NAACL 2015**). [pdf]

17. Accurate Vision-based Vehicle Localization using Satellite Imagery
Hang Chu, Hongyuan Mei, Mohit Bansal, and Matthew R. Walter
Proceedings of **NIPS 2015 Workshop on Transfer and Multi-Task Learning**. [pdf]

16. Weakly-Supervised Learning with Cost-Augmented Contrastive Estimation
Kevin Gimpel and Mohit Bansal
Proceedings of **EMNLP 2014**. [pdf]

15. Tailoring Continuous Word Representations for Dependency Parsing
Mohit Bansal, Kevin Gimpel, and Karen Livescu
Proceedings of **ACL 2014** (short papers). [pdf]

14. Structured Learning for Taxonomy Induction with Belief Propagation
Mohit Bansal, David Burkett, Gerard de Melo, and Dan Klein
Proceedings of **ACL 2014**. [pdf]
(Best Paper Award Honorable Mention – top-5 paper)

13. What are you talking about? Text-to-Image Coreference
Chen Kong, Dahua Lin, Mohit Bansal, Raquel Urtasun, and Sanja Fidler
Proceedings of **CVPR 2014**. [pdf]

12. Good, Great, Excellent: Global Inference of Semantic Intensities
Gerard de Melo and Mohit Bansal
Proceedings of **TACL** (presented at **ACL 2013**). [pdf]

11. Coreference Semantics from Web Features
Mohit Bansal and Dan Klein
Proceedings of **ACL 2012**. [pdf]

10. Unsupervised Translation Sense Clustering
Mohit Bansal, John DeNero, and Dekang Lin
Proceedings of **NAACL 2012**. [pdf]

9. Web-Scale Features for Full-Scale Parsing
Mohit Bansal and Dan Klein
Proceedings of **ACL 2011**. [pdf]

8. Gappy Phrasal Alignment by Agreement
Mohit Bansal, Chris Quirk, and Robert C. Moore
Proceedings of **ACL 2011**. [pdf]

7. The Surprising Variance in Shortest-Derivation Parsing
Mohit Bansal and Dan Klein
Proceedings of **ACL 2011** (short papers). [pdf]

6. Mention Detection: Heuristics for the OntoNotes annotations
Jonathan K. Kummerfeld, Mohit Bansal, David Burkett, and Dan Klein
Proceedings of **CoNLL 2011** (shared task). [pdf]

5. Simple, Accurate Parsing with an All-Fragments Grammar
Mohit Bansal and Dan Klein
Proceedings of **ACL 2010**. [pdf]

4. Efficient Parsing for Transducer Grammars
John DeNero, Mohit Bansal, Adam Pauls, and Dan Klein
Proceedings of **NAACL 2009**. [pdf]

3. The power of negative thinking: Exploiting label disagreement in the min-cut classification framework
Mohit Bansal, Claire Cardie, and Lillian Lee
Proceedings of **COLING 2008** (short papers). [pdf]

2. Estimating hybrid frequency moments of data streams
Sumit Ganguly, Mohit Bansal, and Shruti Dube
Proceedings of **FAW 2008**, LNCS 5059, pp. 55-66.
Also in the Journal of Combinatorial Optimization (**JOCO**). [pdf]

1. Text Processing for Text to Speech Systems in Indian Languages
Anand Raj, Tanuja Sarkar, Satish Pammi, Santhosh Yuvaraj, Mohit Bansal, SP Kishore, and Alan W Black
Proceedings of **ISCA SSW6 2007**. [pdf]

Theses:

1. Surface Web Semantics for Structured Natural Language Processing
   Mohit Bansal
   Ph.D. Thesis. EECS, UC Berkeley. Committee: Dan Klein (advisor), Marti Hearst, Line Mikkelsen, Nelson Morgan. [pdf]

2. An All-Fragments Grammar for Simple and Accurate Parsing
   Mohit Bansal
   M.S. Thesis. EECS, UC Berkeley. Advisor: Dan Klein. [pdf]

Patents:

1. Techniques for Generating Translation Clusters
   John DeNero and Mohit Bansal (Google Research)
   Publication number: US20130275118 A1 (Oct 17, 2013).

Teaching

Instructor, Advanced Topics in Natural Language Processing: Conversational Models (COMP 790.139), UNC Chapel Hill, Spring 2018.

Instructor, Natural Language Processing (COMP 790.139), UNC Chapel Hill, Fall 2017.

Instructor, Advanced Topics in Natural Language Processing: Grounded Language for Robotics (COMP 790.139), UNC Chapel Hill, Spring 2017.

Instructor, Natural Language Processing (COMP 790.139), UNC Chapel Hill, Fall 2016.

Guest Lecturer, Computational Linguistics (CMSC 35050, *Instructor*: John Goldsmith), University of Chicago, Spring 2015 – 'Automatic Taxonomy Induction'.

Guest Lecturer, Robotics and Artificial Intelligence (TTIC 31170, *Instructor*: Matthew Walter), TTI-Chicago, University of Chicago, Spring 2015 – 'Automatic Taxonomy Induction'.

Guest Lecturer, Visual Recognition with Text (CSC 2523, *Instructor*: Sanja Fidler), University of Toronto, Winter 2015 – short course on 'Topics, Trends, and Resources in NLP' [slides].

GSI, Introduction to Artificial Intelligence (CS188, *Instructor*: Dan Klein), UC Berkeley, Fall 2011. Received an Outstanding Graduate Student Instructor Award by UC Berkeley for excellence in teaching.

GSI, Advanced Topics in Artificial Intelligence (CS194-10, *Instructors*: Pieter Abbeel, Dan Klein, Jitendra Malik), UC Berkeley, Spring 2009. Sole TA for new course with 30 advanced students.

Students/Interns

UNC Advisees:
Robbie Allen (UNC, PhD)
Lisa Bauer (UNC, PhD; NSF Graduate Research Fellow)
Darryl Hannan (UNC, PhD)
Hyounghun Kim (UNC, PhD; co-advised with Henry Fuchs)
Jie Lei (UNC, PhD; co-advised with Tamara Berg)
Yixin Nie (UNC, PhD)
Ramakanth Pasunuru (UNC, PhD)
Hao Tan (UNC, PhD)
Shiyue Zhang (UNC, PhD)
Yubo Zhang (UNC, PhD; co-advised with Alex Tropsha)
Xiang Zhou (UNC, PhD)

Yen-Chun Chen (UNC, MS)
Yichen Jiang (UNC, MS)

Tsion Coulter (UNC, BS)
Han Guo (UNC, BS)
Sweta Karlekar (UNC, BS)
Yicheng Wang (UNC, BS)

Other Advisees and Visiting Students:
Arjun Chandrasekaran (Georgia Tech, PhD; advisor = Devi Parikh) (PhD Thesis Committee Member)
Nitish Joshi (IIT Bombay, BS)
Tong Niu (Duke, MS)
Licheng Yu (UNC, PhD; advisor = Tamara Berg) (PhD Thesis Committee Member)

Past Advisees:
Malika Aubakirova (UChicago, BS)
Dhivya Eswaran (IIT-Madras, BTech → CMU, PhD)
Rasool Fakoor (UT-Arlington, PhD → MSR)
Arnab Ghosh (IIT Kanpur, BTech → Oxford, PhD)
Yuchen He (UIUC, PhD)
Myungin Kim (UChicago, MS)
Zuyao Li (USC, MS → Google/Nest)
Ang Lu (Tsinghua, BS → CMU, MS)
Pranava S. Madhyastha (UPC Barcelona, PhD)
Hongyuan Mei (UChicago/TTIC, MS → JHU, PhD) (MS Thesis Co-Advisor)
Aravind L Srinivas (IIT Madras, BTech → UC Berkeley, PhD)
Ryan Stout (UIUC, MS)
Trang Tran (UWash, PhD)
Jing Wang (UIC, PhD → Conversant, Scientist)
John Wieting (UIUC/TTIC, MS → CMU, PhD)
Zhengyang Wu (GeorgiaTech, BS)

Professional Service

Program Co-Chair: CoNLL 2019

Area Chair: NAACL 2019

Area Chair: EMNLP 2018

Tutorial Chair: NAACL 2018

Area Chair (Vision, Robotics, and Grounding): ACL 2017

Area Chair (Machine Learning): EMNLP 2017

Demonstration Chair: ACL 2017

Tutorial Chair: NAACL 2016

Area Chair: NAACL 2016

Program Committee Member/Reviewer:

Conferences: EMNLP (best reviewer award in 2012), NAACL (best reviewer award in 2018, 2015), ACL, NIPS, ICLR, IJCAI, EACL, COLING (outstanding reviewer award in 2018), *SEM, IJCNLP, ICON

Journals: TACL, TPAMI, TALIP

Recent Workshops: ACL Workshop of Women in Natural Language Processing (2017), ACL Workshop on Representation Learning for NLP (2017), EACL Workshop on Ethics in Natural Language Processing (2017), NAACL Multilingual and Crosslingual Methods in NLP (2016), NAACL Human-Computer Question Answering (2016), ACL Evaluating Vector-Space Representations for NLP (2016), NAACL Vector Space Modeling for NLP (2015).

University Research Proposals: ORAU

Organizer: Joint Workshop on Spatial Language Understanding & Language Grounding for Robotics (SpLU-RoboNLP) at NAACL 2019

Organizer: NLP/ML Colloquium Series at UNC

Organizer: Workshop on Language Grounding for Robotics (RoboNLP) at ACL 2017

Organizer: Midwest Speech and Language Days 2015

Committee Member: Graduate (PhD) Admissions Committee, CS, UNC Chapel HIll

Committee Member: Graduate (PhD) Admissions Committee, EECS, UC Berkeley

Panel Member: National Science Foundation (NSF) Review Panels

Software and Datasets: Available for various papers on our lab's webpage: https://nlp.cs.unc.edu/software.html

Recent Invited Talks

'Spatially-Grounded, Personable, and Sensible Human-Robot Dialog', *RSS 2018 Workshop on Models and Representations for Natural Human-Robot Communication* (June, 2018)

'Grounded, Personable, and Adversarial Dialog Models', *Google Assistant and Dialog Workshop* (June, 2018)

'Multi-Task and Reinforcement Learning for Entailment-Based Natural Language Generation', *JHU, Bloomberg, Google, Facebook, UIUC, UWash, Amazon, Triangle ML Day, RTI* (May 2017-June 2018)

'Structured Learning of World Knowledge for Natural Language Semantics', *CMU, MSR, Rutgers, UC Davis, UC Irvine, UNC Chapel Hill, UT Austin, Virginia Tech* (Feb-Apr, 2016)

'Neural Attention Models for Natural Language Grounding and Generation', *IIT-Delhi, IIT-Kanpur* (Sep-Oct, 2015)

'Improving Neural Embeddings via Paraphrase, Translational, and Syntactic Knowledge', *Columbia University, Google Research, NYU* (Apr, 2015)

'Semantic World Knowledge for NLP', *UToronto, UMichigan, Virginia Tech*, (Nov-Jan, 2015)