Yonatan Bisk

Assistant Professor of Computer Science

 $GHC~6703 \\ \boxtimes ybisk@cs.cmu.edu \\ he/him$

	Positions						
2020 –	Assistant Professor Carnegie Mellon University Language Technologies Institute Robotics Institute (courtesy)						
2022 –	Visiting Professor M	1eta Fun	damental AI Resear	ch (FAIR)	1	w/ Dhru	ıv Batra
2021 –	Consulting Professo	r Micros	oft Research				
2019 –	Visiting Researcher	Microso	ft Research		V	v/ Jianfe	eng Gao
2017 –	Postdoctoral Schola University of Washington		n Institute for Artific	ial Intellige	nce	w/ Ye	ejin Choi
2015 –	Postdoctoral Schola Information Sciences In		Iniversity of Southern	ı California		w/ Danie	el Marcu
	Education						
2015	PhD in Computer Science The University of Illinois at Urbana-Champaign, Thesis: Unsupervised Grammar Induction with Combinatory Categorial Grammars Advisor: Julia Hockenmaier Committee: Jason Eisner, Dan Roth, ChengXiang Zhai						
2009	BS in Computer Sci Thesis: The Necessity Neuroevolution Advisor: Risto Miikkula	of Sepa		Logic Wh	en Grounding Language	e using	
	PhD Students						
PhD	Hao Zhu	he/him	Theory of Mind		(co-G Neubig)	LTI	2019 –
PhD	Jared Fernandez	he/him	Efficiency		(co-E Strubell)	LTI	2020 -
PhD	Vidhi Jain	she/her	Language to Conti	rol		RI	2021 -
PhD	Tiffany Min	she/her	Embodiment		(co-R Salakhutdinov)	MLD	2021 -
PhD	Yingshan Chang	she/her	Multimodal Reaso	ning		LTI	2022 –
	Research MS S	tudent					
MLT	Jimin Sun	she/her	Embodied Dialogu	ie		LTI	2022 –
	Professional Ma	asters	Students				
MRSD	Assistive Robotics f Abhinav Gupta Praveen Venkatesh Shivam Tripathy	or Elder	he/him he/him he/him	son) Atharva I Shaolin <i>P</i>		he/him he/him	
	Alumni, Interns	, and	Undergraduat	es			
Ugrad	Xiang Fan		Transformer Efficie	ency	(co-E Strubell)		2022
Intern	Andy Liu		Theory-of-Mind		(co-G Neubig)		2022
Intern	Deogratias Amani	he/him	Grounding				2022

MRSD	Modular Teleop with Autor	- (,			2022
	Jashkumar Diyora	he/him		angopadhyay	she/he	er
	Jigar Patel	he/him	Prakhar	Pradeep	he/hin	n
	Shivani Sivakumar	she/her				
MCDS	Embodied Navigation and I	nteraction				2022
	Adhokshaja Madhwaraj	he/him	_	a Mahajan	he/hin	n
	Sai Vishwas Padigi	he/him	Vineeth	•	he/hin	n
	Malaika Vijay	she/her	Zheng (J	Jessica) Zhong	she/he	er
MCDS	Embodied Dialogue and To	М				2022
	Xinyue Chen	she/her	Nikhil G	•	he/hin	n
	Benny Jiang	he/him	Shubhan	n Phal	he/hin	n
	Prasoon Varshney	he/him				
MCDS	Novel Concept Learning					2022
	Bharani Ujjaini Kempaiah	she/her	Linyi Li		she/he	er
MSAII	Visual Patent Search					2022
	Suchong Dong	she/her	Zhiyuan	Guo	he/hin	n
	Mansi Goyal	she/her	Marta M	lendez Simon	she/he	er
	Sreenidhi Sundaram	she/her	Leon Va	n Den Berghe	he/hin	n
MLT	Yingshan Chang she/her	Multimodal Re	asoning		LTI 2020	0 - 2022
MLT	Josh Zhanson he/him	Embodied Visu	al Reps		LTI 2020	0 – 2022
	,		•	(aa ()		1 – 2022
MS	Xiaoyu (Erin) Zhang she/her			(co-O Kroemer)	5th 202.	
Ugrad	Feiyu (Gavin) Zhu	Video Summar	ization	(co-C Paxton)		2021
Intern	Melanie Sclar	Symmetric The	eory-of-Mind	(co-G Neubig)		2021
Intern	Blessing Bassey	<i>TextVQA</i>				2021
1.	Journal Publications The Return of Lexical Depetha Zhu, Yonatan Bisk, Graham Transactions of the Association An HDP Model for Inducin Yonatan Bisk, Julia Hockenmaie	n Neubig for Computationa g Combinatory	l Linguistics			2020 2013
	Transactions of the Association Conference Publication	•	l Linguistics			
3.	EXCALIBUR: Encouraging and Evaluating Embodied Exploration Hao Zhu, Raghav Kapoor, So Yeon Min, Winson Han, Jiatai Li, Kaiwen Geng, Graham Neubig, Yonatan Bisk, Aniruddha Kembhavi, Luca Weihs Conference on Computer Vision and Pattern Recognition			2023		
4.	Computational Language A Andy Liu, Hao Zhu, Emmy Liu, The Eleventh International Conf	Yonatan Bisk, Gr	aham Neubig			2023
5.	Don't Copy the Teacher: D So Yeon Min, Hao Zhu, Ruslan S Conference on Empirical Method	Salakhutdinov, <u>Y</u> o	onatan Bisk		alogue	2022
6.	EvEntS ReaLM: Event Rea Evangelia Spiliopoulou, Artidoro Conference on Empirical Method	Pagnoni, Yonata	<u>n Bisk,</u> Eduar	d Hovy	ls	2022
7.	On Advances in Text Gener in Self-Rationalization Shruti Palaskar, Akshita Bhagia, Findings of the Conference on E	<u>Yonatan Bisk,</u> F	lorian Metze,	Alan W Black, Ana	_	2022
8.	Transformers are Adaptable Vidhi Jain, Yixin Lin, Eric Under Conference on Robot Learning			Rai		2022

9.	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, Yonatan Bisk 39th International Conference on Machine Learning	2022
10.	A Framework for Learning to Request Rich and Contextually Useful Information from Humans Khanh Nguyen, Yonatan Bisk, Hal Daume III 39th International Conference on Machine Learning,	2022
11.	Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral)	2022
12.	HEAR 2021: Holistic Evaluation of Audio Representations Joseph Turian, Jordie Shier, Humair Raj Khan, Bhiksha Raj, Björn W. Schuller, Christian J. Steinmetz, Colin Malloy, George Tzanetakis, Gissel Velarde, Kirk McNally, Max Henry, Nicolas Pinto, Camille Noufi, Christian Clough, Dorien Herremans, Eduardo Fonseca, Jesse Engel, Justin Salamon, Philippe Esling, Pranay Manocha, Shinji Watanabe, Zeyu Jin, Yonatan Bisk Proceedings of Machine Learning Research (PMLR): NeurIPS 2021 Competition Track	2022
13.	KAT: A Knowledge Augmented Transformer for Vision-and-Language Liangke Gui, Borui Wang, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	2022
14.	FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, Yonatan Bisk, Ruslan Salakhutdinov The Tenth International Conference on Learning Representations	2022
15.	WebQA: Multihop and Multimodal QA Yingshan Chang, Mridu Narang, Hisami Suzuki, Guihong Cao, Jianfeng Gao, Yonatan Bisk Conference on Computer Vision and Pattern Recognition (Oral)	2022
16.	Dependency Induction Through the Lens of Visual Perception Ruisi Su, Shruti Rijhwani, Hao Zhu, Junxian He, Xinyu Wang, Yonatan Bisk, Graham Neubig The SIGNLL Conference on Computational Natural Language Learning	2021
17.	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
18.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
19.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
20.	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	2021
21.	An Empirical Study on the Generalization Power of Neural Representations Learned via Visual Guessing Games Alessandro Suglia, Yonatan Bisk, Ioannis Konstas, Antonio Vergari, Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon The 2021 Conference of the European Chapter of the Association for Computational Linguistics (Oral)	2021
22.	Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering Kaixin Ma, Filip Ilievski, Jonathan Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari 35th AAAI Conference on Artificial Intelligence	2021
23.	ALFWorld: Aligning Text and Embodied Environments for Interactive Learning Mohit Shridhar, Xingdi Yuan, Marc-Alexandre Côté, Yonatan Bisk, Adam Trischler, Matthew Hausknecht International Conference on Learning Representations	2021

24.	Imagining Grounded Conceptual Representations from Perceptual Information in Situated Guessing Games Alessandro Suglia, Antonio Vergari, Ioannis Konstas, Yonatan Bisk, Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon The 28th International Conference on Computational Linguistics (Oral)	2020
25.	Experience Grounds Language Yonatan Bisk, Ari Holtzman, Jesse Thomason, Jacob Andreas, Yoshua Bengio, Joyce Chai, Mirella Lapata, Angeliki Lazaridou, Jonathan May, Aleksandr Nisnevich, Nicolas Pinto, Joseph Turian Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2020
26.	RMM: A Recursive Mental Model for Dialog Navigation Homero Roman Roman, Yonatan Bisk, Jesse Thomason, Asli Celikyilmaz, Jianfeng Gao Conference on Empirical Methods in Natural Language Processing: Findings	2020
27.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday	2020
	Tasks Mohit Shridhar, Jesse Thomason, Daniel Gordon, Yonatan Bisk, Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	
28.	PIQA: Reasoning about Physical Commonsense in Natural Language Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, Yejin Choi Thirty-Fourth AAAI Conference on Artificial Intelligence (Oral)	2020
29.	Robust Navigation with Language Pretraining and Stochastic Sampling Xiujun Li, Chunyuan Li, Qiaolin Xia, Yonatan Bisk, Asli Celikyilmaz, Jianfeng Gao, Noah A. Smith, Yejin Choi Conference on Empirical Methods in Natural Language Processing and 9th International	2019
30.	Joint Conference on Natural Language Processing Defending Against Neural Fake News Rowan Zellers, Ari Holtzman, Hannah Rashkin, Yonatan Bisk, Ali Farhadi, Franziska Roesner, Yejin Choi Thirty-third Conference on Neural Information Processing Systems	2019
31.	Improving Robot Success Detection using Static Object Data Rosario Scalise, Jesse Thomason, Yonatan Bisk, Siddhartha Srinivasa IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
32.	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, Yonatan Bisk, Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox	2019
	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	
33.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
34.	From Recognition to Cognition: Visual Commonsense Reasoning Rowan Zellers, Yonatan Bisk, Ali Farhadi, Yejin Choi The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral)	2019
35.	Tactical Rewind: Self-Correction via Backtracking in Vision-and-Language Navigation Liyiming Ke, Xiujun Li, Yonatan Bisk, Ari Holtzman, Zhe Gan, Jingjing Liu, Jianfeng Gao, Yejin Choi, Siddhartha Srinivasa	2019
36.	The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral) Prospection: Interpretable Plans From Language By Predicting the Future Chris Paxton, Yonatan Bisk, Jesse Thomason, Arunkumar Byravan, Dieter Fox International Conference on Robotics and Automation (ICRA)	2019
37.	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u>	2019
	Annual Conference of the North American Chapter of the Association for Computational	
38.	Linguistics Benchmarking Hierarchical Script Knowledge Yonatan Bisk, Jan Buys, Karl Pichotta, Yejin Choi	2019
	Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	

39.	Character-based Surprisal as a Model of Reading Difficulty in the Presence of	2019
	Errors Michael Hahn, Frank Keller, Yonatan Bisk, Yonatan Belinkov The 41st Annual Meeting of the Cognitive Science Society (Oral)	
40.	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, Yonatan Bisk, Roy Schwartz, Yejin Choi Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2018
41.	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2018
42.	Learning Interpretable Spatial Operations in a Rich 3D Blocks World Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu Thirty-Second Conference on Artificial Intelligence (AAAI-18)	2018
43.	Natural Language Inference from Multiple Premises Alice Lai, Yonatan Bisk, Julia Hockenmaier Eighth International Joint Conference on Natural Language Processing (Oral)	2017
44.	Natural Language Communication with Robots Yonatan Bisk, Deniz Yuret, Daniel Marcu 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	2016
45.	Supertagging with LSTMs Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Short Papers) (Oral)	2016
46.	Evaluating Induced CCG Parsers on Grounded Semantic Parsing Yonatan Bisk, Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman 2016 Conference on Empirical Methods in Natural Language Processing	2016
47.	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar Induction Yonatan Bisk, Julia Hockenmaier 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (Volume 1: Long Papers) (Oral)	2015
48.	Labeled Grammar Induction with Minimal Supervision Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (Volume 2: Short Papers)	2015
49.	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
50.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han 21st ACM international conference on Information and knowledge management (CIKM 2012)	2012
51.	Normal-form parsing for CCGs with generalized composition and type-raising Julia Hockenmaier, Yonatan Bisk 23rd International Conference on Computational Linguistics (Coling 2010)	2010
	Workshop Publications	
52.	MAEA: Multimodal Attribution for Embodied Al Vidhi Jain, Jayant Sravan Tamarapalli, Sahiti Yerramilli, <u>Yonatan Bisk</u> Progress and Challenges in Building Trustworthy Embodied AI at NeurIPS 2022	2022
53.	Tackling AlfWorld with Action Attention and Common Sense from Language Models Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye Language and Reinforcement Learning Workshop at NeurIPS 2022	2022

54.	Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language Models Tejas Srinivasan, Yonatan Bisk 4th Workshop on Gender Bias in Natural Language Processing	2022
55.	KB-VLP: Knowledge Based Vision and Language Pretraining Kezhen Chen, Qiuyuan Huang, Yonatan Bisk, Daniel McDuff, Jianfeng Gao ICML21 Workshop on Self-Supervised Learning	2021
56.	A Benchmark for Structured Procedural Knowledge Extraction from Cooking Videos Frank F. Xu, Lei Ji, Botian Shi, Junyi Du, Graham Neubig, Yonatan Bisk, Nan Duan Workshop on NLP Beyond Text	2020
57.	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation	2018
58.	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, Yonatan Bisk, Yejin Choi 32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop	2018
59.	Towards a Dataset for Human Computer Communication via Grounded Language Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems	2016
60.	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016
61.	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012
	Tech Reports	
62.	The Framework Tax: Disparities Between Inference Efficiency in Research and Deployment Jared Fernandez, Jacob Kahn, Clara Na, Yonatan Bisk, Emma Strubell ArXiv	2023
63.	Self-Supervised Object Goal Navigation with In-Situ Finetuning So Yeon Min, Yao-Hung Hubert Tsai, Wei Ding, Ali Farhadi, Ruslan Salakhutdinov, Yonatan Bisk, Jian Zhang ArXiv	2022
64.	Retrospectives on the Embodied Al Workshop Matt Deitke, Dhruv Batra, Yonatan Bisk, Tommaso Campari, Angel X. Chang, Devendra Singh Chaplot, Changan Chen, Claudia Pérez D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, Anthony Francis, Chuang Gan, Kristen Grauman, David Hall, Winson Han, Unnat Jain, Aniruddha Kembhavi, Jacob Krantz, Stefan Lee, Chengshu Li, Sagnik Majumder, Oleksandr Maksymets, Roberto Martín-Martín, Roozbeh Mottaghi, Sonia Raychaudhuri, Mike Roberts, Silvio Savarese, Manolis Savva, Mohit Shridhar, Niko Sünderhauf, Andrew Szot, Ben Talbot, Joshua B. Tenenbaum, Jesse Thomason, Alexander Toshev, Joanne Truong, Luca Weihs, Jiajun Wu ArXiv	2022
65.	Training Vision-Language Transformers from Captions Alone Liangke Gui, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao ArXiv	2022
66.	Multi-View Learning for Vision-and-Language Navigation Qiaolin Xia, Xiujun Li, Chunyuan Li, Yonatan Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah A. Smith ArXiv	2020
67.	FIND: Identifying Functionally and Structurally Important Features in Protein Sequences with Deep Neural Networks Ranjani Murali, James Hemp, Victoria Orphan, Yonatan Bisk bioRxiv	2019

68.	CHALET: Cornell House Agent Learning Environment Claudia Yan, Dipendra Misra, Andrew Bennett, Aaron Walsman, Yonatan Bisk, Yoav Artzi ArXiv Preprint 1801.07357		
69.	Unsupervised Grammar Induction with Combinato Yonatan Bisk	ry Categorial Grammars	2015
	University of Illinois at Urbana-Champaign		
	Thesis Committees		
_	PhD Kaixin Ma	Eric Nybe	erg, CMU
2023	PhD Nicholas Botzer	Tim Weninger, No	tre Dame
2023	PhD http://naoki.ninja/ Naoki Otani, CMU		Ed Hovy
2023	PhD Dylan Ebert	Ellie Pavlic	k, Brown
2022	PhD Shikib Mehri	Maxine Eskena	zi , CMU
2022	PhD Shruti Palaskar	Alan Black and Florian Me	tze, CMU
2022	PhD Evangelia Spiliopoulou	Ed Ho	ovy, CMU
2022	PhD Dheeraj Rajagopal	Ed Ho	ovy, CMU
2022	PhD Volkan Cirik Louis-Philippe N	Norency and Taylor Berg-Kirkpatr	ick, CMU
2022	MLT Aishwarya Jadhav	Katia Syca	ara, CMU
2021	PhD Pengcheng Yin	Graham Neul	_
2020	PhD Zihang Dai	Yiming Ya	•
2021	MLT Jing Wen	Katerina Fragkiad	
2021	Qual Mohit Sharma	Oliver Kroen	ner, CMU
_	Teaching		
2021	11-777 MultiModal Machine Learning	# Student	s: 42, SP
2021	11-767 On-Device Machine Learning	Co-Emma Strubell # Student	s: 31, FA
2022	11-777 MultiModal Machine Learning	# Student	s: 94, SP
2022	11-767 On-Device Machine Learning	Co-Emma Strubell # Student	s: 42, FA
_	Diversity and Inclusion		
2022	NAACL 2022 DEI Co-Chair		
2021	Restructuring of LTI PhD Admissions,		ongoing
2020	LTI DEI Committee,		2yrs
2019	CrashCourse AI Educational YouTube series targeted Jabril Ashe. Co-Written with Lana Yarosh and Tim We	9	ed by <i>1yr</i>
2018	ACM Council on Diversity & Inclusion Investigating ACM on behalf of underrepresented groups.,	g and initiating institutional chang	e within <i>1yr</i>
_	Grace Hopper PC member Review submissions to A	l Technical Track,	1yr
2016	NCWIT Collegiate Award Review applications for th Information Technology's Collegiate Award honoring co		3yrs
2009	NCWIT Aspirations in Computing Review application Information Technology's Award for Aspirations in Computerested in CS, UIUC, ISI		
-	Tech Junket/Women in CS Outreach for local Urba <i>2yrs</i>	na-Champaign pre-college student	s, UIUC
2008	Freshman Research Mentor Mentored students to pe	erform research, UTexas	1yr
_	First Bytes Helped organize a summer camp for girls	interested in CS, UTexas	
_	Co-Founded Breakfast Bytes Professor talks for pre-college students, UTexas 1yr		

Organization (Workshops and Conference)

- 2022 **Workshop** *Embodied Al Workshop Challenge Organizer* Computer Vision and Pattern Recognition
- 2021 **Workshop** *Embodied Al Workshop Challenge Organizer* Computer Vision and Pattern Recognition
- 2020 **Workshop** *Embodied Vision, Actions & Language Workshop* European Conference on Computer Vision
 - Workshop Workshop on Dataset Curation and Security NeurIPS
- 2019 **Workshop** Spatial Language Understanding and Grounded communication for Robotics North American Chapter of the Association for Computational Linguistics
- 2018 **Conference** Social Media Chair

North American Chapter of the Association for Computational Linguistics

- Workshop Generalization in the Age of Deep Learning
 North American Chapter of the Association for Computational Linguistics
- Workshop Wordplay: Reinformcent and Language Learning in Text-Based Games NeurIPS
- 2017 **Conference** Student Scholarship Chair and Student Volunteer Coordinator Conference on Empirical Methods in Natural Language Processing
 - Workshop Language Grounding for Robotics
 Conference of the Association for Computational Linguistics

Area Chair / Action Editor

- 2023 Neural Information Processing Systems (NeurIPS)
 - International Conference on Machine Learning (ICML)
 - Transactions on Machine Learning Research Action Editor
 - Senior AE: ACL Rolling Review
 - Ethics Co-Chair: Association for Computational Linguistics
 - Empirical Methods in Natural Language Proc Senior AC: Language Grounding to Vision, Robotics and Beyond track
- 2022 International Conference on Learning Representations
 - Association for the Advancement of Artificial Intelligence Senior Meta-Reviewer
 - Empirical Methods in Natural Language Proc Senior AC: Speech, Vision, Robotics, Multimodal Grounding
 - Transactions on Machine Learning Research Action Editor
 - Senior AE: ACL Rolling Review
 - Neural Information Processing Systems (NeurIPS)
- 2021 International Conference on Learning Representations
 - Association for Computational Linguistics Machine Learning
 - Empirical Methods in Natural Language Proc Speech, Vision, Robotics, Multimodal Grounding
 - Neural Information Processing Systems (NeurIPS)
 - ACL Rolling Review
- 2020 **Association for Computational Linguistics** Language Grounding to Vision, Robotics and Beyond
 - Neural Information Processing Systems (NeurIPS)
 - Asia-Pacific chapter of the Association for Computational Linguistics
- 2019 **Association for Computational Linguistics** Vision, Robotics, Multimodal Grounding, and Speech

2018 International Conference on Computational Linguistics

2016 Conference on Lexical and Computational Semantics (*SEM) Sem. Parsing and Role Labeling

Reviewer

NLP	ARR	Association for Computational Linguistics Rolling Review	2021
	ACL	Association for Computational Linguistics	2017, 2018
	CL	Computational Linguistics Journal	2017 – 2022
	CoLing	International Conference on Computational Linguistics	2016
	CoNLL	Conference on Computational Natural Language Learning	2016 – 2018
	EACL	European Chapter of the Association for Computational Linguistic	s <i>2014, 17, 20</i>
	EMNLP	Empirical Methods in Natural Language Processing	2013 – 2020
	IJCNLP	International Joint Conference on Natural Language Processing	2017
	NAACL	N. American Chapter of the Association for Computational Ling	2016 – 2019
	NLE	Natural Language Engineering Journal	2016
	*SEM	Joint Conference on Lexical and Computational Semantics	2020
	TACL	Transactions of the Assoc. for Computational Linguistics	2019 - 2023
Robo	CoRL	Conference on Robot Learning	2019 – 2021,2023
	AURO	Autonomous Robots	2022
	RSS	Robotics: Science and Systems	2022
	HRI	Human Robot Interaction	2020 - 2023
	ICRA	International Conference on Robotics and Automation	2019,2023
	IJRR	International Journal of Robotics Research	2017
	IROS	${\it IEEE/RSJ}$ International Conference on Intelligent Robots and Systems	tems <i>2019,202</i> 3
	RA-L	IEEE Robotics and Automation Letters	2019,2023
AI/ML	AAAI	Association for the Advancement of Artificial Intelligence	2018, 2021
	ICLR	International Conference on Learning Representations	2019 – 2020
	ICML	International Conference on Machine Learning	2019
	IJCAI	International Joint Conference on Artificial Intelligence	2019
	NeurIPS	Neural Information Processing Systems	2018 – 2019
CV	CVPR	Computer Vision and Pattern Recognition	<i>2020, 2023</i>

Invitations and Talks

2023 RSS

2022 Can we really connect language to robotics? CoRL Wksp on Language and Robot Learning
How machines learn language: Useful but wrong? 12th Inter. Wksp on Language Production

Following Instructions and Asking Questions Univ of Potsdam

Univ California Santa Barbara NLP

Georgia Tech NLP

Microsoft Research NYC

Penn State University

Universitat Hamburg Crossmodal Learning (CML) summer school

University of Stuttgart Institute of Natural Language Processing

University of Pittsburgh NLP

2021 Univ of Illinois at Urbana-Champaign NLP

Human Interaction for Robotic Navigation Workshop @ Inter. Conference on Computer Vision

WebQA: Multihop and Multimodal QA PNNL Mega-Al Seminar

WebQA: Multihop and Multimodal Microsoft Research Summit

2nd Workshop on Advances in Language and Vision Research (ALVR) NAACL

Instructions, Abstraction, and Theory-of-Mind Koç University Al center

Understanding the Potential of Scaling Artificial Intelligence for Science Applications

Panel Pacific Northwest National Lab

Guest Lecture: Embodiment for NLP Univ of Pennsylvania

Guest Lecture: Multimodality in NLP UWashington Linguistics

2020 The 2nd Workshop Beyond Vision and Language: Integrating Real-world Knowledge

CoLing

The University of Texas at Austin - Forum for AI

Cornell Learning Machines seminar

Stanford NLP seminar

SRI Center for Vision Technology Lab Panel Embodied Al

- 2018 Colloquium Talk Northwest NLP
- 2017 Invited Talk University of Notre Dame NLP Seminar

Invited Talk University of California, Irvine AI/ML Seminar

Invited Talk Pacific Northwest National Laboratory

- 2016 **Invited Poster** The Impact of Computing in Our Physical World session of the CRA's Computing Community Consortium (CCC) Symposium on Computing Research
- 2015 Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days
- 2013 Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days