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)			
	Previous			
2022 –	Visiting Professor Meta Fundamental AI Research (FAIR)	w/ Dhruv Batra &	Roozbeh	Mottaghi
2021 -	Consulting Professor Microsoft Research			
2019 –	Visiting Researcher Microsoft Research		w/ Jian	feng Gao
2017 –	Postdoctoral Scholar University of Washington & Allen Institute for Artificial Intelliger	nce	w/ \	⁄ejin Choi
2015 –	Postdoctoral Scholar Information Sciences Institute, University of Southern California		w/ Dan	iel Marcu
	Education			
2015	PhD in Computer Science The University of Illinois at Ur Thesis: Unsupervised Grammar Induction with Combina Advisor: Julia Hockenmaier Committee: Jason Eisner, Dan Roth, ChengXiang Zhai		ammars	
2009	BS in Computer Science The University of Texas at Austr Thesis: The Necessity of Separating Control and Logic Whe Neuroevolution Advisor: Risto Miikkulainen Second Reader: Raymond Moo	n Grounding Languag	ge using	
	PhD Students	Talking∃	ΓoRobo	ts.com
PhD	Jared Fernandez he/him Efficiency	(co-E Strubell)	LTI	2020 -

	PhD Students			Talking To	Kobot	s.com
PhD	Jared Fernandez	he/him	Efficiency	(co-E Strubell)	LTI	2020 -
PhD	Vidhi Jain	she/her	Multimodal Task Specification	on	RI	2021 -
PhD	Tiffany Min	she/her	Instruction Following	(co-R Salakhutdinov)	MLD	2021 -
PhD	Yingshan Chang	she/her	Multimodal Reasoning		LTI	2022 -
PhD	Abitha Thankaraj	she/her	LMs & Reasoning		CSD	2024 -
PhD	Rosa Vitiello	she/her	Collaboration	(co-C Rose)	LTI	2024 -
PhD	Quanting Xie	he/him	Manipulation, LLMs,		RI	2024 -
PhD	Leena Mathur	she/her	Social Robotics	(co-LP Morency)	LTI	2024 -
	Masters					
MSR	Jacob Thompson	he/him	Generalist Agents		RI	2024
MSR	Yash Jangir	he/him	Robust Policies		RI	2024
5th	Sheryl Mathew	she/her	Collaboration		SCS	2024
5th	Claire Jin	she/her	Embodied Dialogue			2024

	Alumni							
PhD	Hao Zhu	he/him	Theory of Mine	d	(co-G Neubig)	LTI	2019 –	2024
MS	Quanting Xie		LLMs for Robo		(0)	MechE		2023
MLT	Jimin Sun		Embodied Dial			LTI	2022 -	
MLT	Yingshan Chang		Multimodal Re	•		LTI	2020 -	2022
MLT	Josh Zhanson		Embodied Visu	•		LTI	2020 -	
MS	Xiaoyu (Erin) Zhang			•	(co-O Kroemer)	5th	2021 -	
	Anaoya (2) 2ang	one, ner	conditionalive i	100013	(co o racemer)	0111	2021	2022
	Interns and Und	ergra	duates					
Ugrad	Claire Jin	she/her	Embodied Dial	logue				2024
Ugrad	Maria Yampolsky	she/her	Audio					2024
Intern	Minyoung Hwang	she/her	Preference Lea	rning				2024
Ugrad	Xiang Fan	he/him	Transformer Et	fficiency	(co-E Strubell)			2022
Intern	Andy Liu	he/him	Theory-of-Mine	d	(co-G Neubig)			2022
Intern	Deogratias Amani	he/him	Grounding					2022
Ugrad	Feiyu (Gavin) Zhu	he/him	Video Summar	ization	(co-C Paxton)			2021
Intern	Melanie Sclar	she/her	Symmetric The	eory-of-Mind	(co-G Neubig)			2021
Intern	Blessing Bassey		TextVQA	,	(2021
	3 ,	,						
	6							
	Capstones							
MCDS	VR Robot Teleop							2024
	Sophia Huang	Jenser	ı (Yi-Che) Huan	ıg Ti	anyi Cheng			
MSAII	Seed emergence							2024
	Harini Subramanyan		Juanyun Mai	-	a Morbale			
MRSD	Karthik Natarajan Assistive Robotics for		Noel D Souza		o Zhang			2023
MINOD	Abhinav Gupta	Liuei	he/him	Atharva	Pusalkar	he	/him	2023
	Praveen Venkatesh		he/him	Shaolin k		,	/him	
	Shivam Tripathy		he/him					
MRSD	Modular Teleop with			•				2022
	Jashkumar Diyora Jigar Patel				angopadhyay Dradoon		e/her	
	Shivani Sivakumar		he/him she/her	Prakhar	rraueep	ne,	/him	
MCDS	Embodied Navigatio	n and I						2022
	Adhokshaja Madhwara		he/him		a Mahajan	he	/him	
	Sai Vishwas Padigi		he/him	Vineeth	•	he	/him	
MCDC	Malaika Vijay		she/her	Zheng (J	lessica) Zhong	she	e/her	2022
MCDS	Embodied Dialogue Xinyue Chen	and Io	she/her	Nikhil Gı	into	ho	/him	2022
	Benny Jiang		he/him	Shubham	•	,	/him	
	Prasoon Varshney		he/him	2		110,	,	
MCDS	Novel Concept Learn		•					2022
	Bharani Ujjaini Kempa	iiah	she/her	Linyi Li		she	e/her	
MSAII	Visual Patent Search	1		7 L:	Cua	_	/1.	2022
	Suchong Dong Mansi Goyal		she/her	Zhiyuan Marta M	Guo endez Simon	,	/him	
	Sreenidhi Sundaram		she/her she/her		n Den Berghe		e/her /him	
	S. Schiam Sundaram		511C/ 11C1	LCOII Vai	. Den beigne	ne,	, 111111	

Journal Publications

1	MotIF: Motion Instruction Fine-tuning Minyoung Hwang, Joey Hejna, Dorsa Sadigh, Yonatan Bisk IEEE Robotics and Automation Letters	2025
2	Training Vision-Language Transformers from Captions Liangke Gui, Yingshan Chang, Qiuyuan Huang, Subhojit Som, Alexander Hauptmann, Jianfeng Gao, Yonatan Bisk	2023
	Transactions on Machine Learning Research	
3	The Return of Lexical Dependencies: Neural Lexicalized PCFGs Hao Zhu, Yonatan Bisk, Graham Neubig	2020
	Transactions of the Association for Computational Linguistics	
4	An HDP Model for Inducing Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier Transactions of the Association for Computational Linguistics	2013
	Conference Publications	
5	Re-thinking Temporal Search for Long-Form Video Understanding Jinhui Ye, Zihan Wang, Haosen Sun, Keshigeyan Chandrasegaran, Zane Durante, Cristobal Eyzaguirre, Yonatan Bisk, Juan Carlos Niebles, Ehsan Adeli, Li Fei-Fei, Jiajun Wu, Manling Li The IEEE/CVF Conference on Computer Vision and Pattern Recognition	2025
6	Explore Theory-of-Mind: Program-Guided Adversarial Data Generation for	2025
U	Theory of Mind Reasoning Melanie Sclar, Jane Yu, Maryam Fazel-Zarandi, Yulia Tsvetkov, Yonatan Bisk, Yejin Choi, Asli Celikyilmaz	2020
	The Thirteenth International Conference on Learning Representations	
7	ANAVI: Audio Noise Awareness using Visuals of Indoor environments for NAVIgation Vidhi Jain, Rishi Veerapaneni, Yonatan Bisk Conference on Robot Learning	2024
8	Situated Instruction Following So Yeon Min, Xavi Puig, Devendra Singh Chaplot, Tsung-Yen Yang, Akshara Rai, Priyam Parashar, Ruslan Salakhutdinov, Yonatan Bisk, Roozbeh Mottaghi	2024
	European Conference on Computer Vision	
9	Gradient Localization Improves Lifelong Pretraining of Language Models Jared Fernandez, Yonatan Bisk, Emma Strubell	2024
	Findings of the Conference on Empirical Methods in Natural Language Processing	
10	How to Train Your Fact Verifier: Knowledge Transfer with Multimodal Open Models Jaeyoung Lee, Ximing Lu, Jack Hessel, Faeze Brahman, Youngjae Yu, Yonatan Bisk, Yejin Choi, Saadia Gabriel	2024
	Findings of the Conference on Empirical Methods in Natural Language Processing	
11	Tools Fail: Detecting Silent Errors in Faulty Tools Jimin Sun, So Yeon Min, Yingshan Chang, Yonatan Bisk	2024
	Conference on Empirical Methods in Natural Language Processing	
12	Language Models Need Inductive Biases to Count Inductively Yingshan Chang, Yonatan Bisk The Thirteenth International Conference on Learning Representations	2025
10	The Thirteenth International Conference on Learning Representations	2024
13	DiffusionPID: Interpreting Diffusion via Partial Information Decomposition Shaurya Dewan, Rushikesh Zawar, Prakanshul Saxena, Yingshan Chang, Andrew Luo, Yonatan Bisk	2024
	Thirty-Eighth Annual Conference on Neural Information Processing Systems	
14	VISREAS: Complex Visual Reasoning with Unanswerable Questions Syeda Nahida Akter, Sangwu Lee, Yingshan Chang, Yonatan Bisk, Eric Nyberg Findings of the 62nd Annual Meeting of the Association for Computational Linguistics	2024

15	AgentKit: Flow Engineering with Graphs, not Coding Yue Wu, Yewen Fan, So Yeon Min, Shrimai Prabhumoye, Stephen McAleer, Yonatan Bisk, Ruslan Salakhutdinov, Yuanzhi Li, Tom Mitchell Conference on Language Modeling	2024
16	Skews in the Phenomenon Space Hinder Generalization in Text-to-Image Generation Yingshan Chang, Yasi Zhang, Zhiyuan Fang, Yingnian Wu, Yonatan Bisk, Feng Gao European Conference on Computer Vision	2024
17	Direct Preference Optimization of Video Large Multimodal Models from Language Model Reward Ruohong Zhang, Liangke Gui, Zhiqing Sun, Yihao Feng, Keyang Xu, Yuanhan Zhang, Di Fu, Chunyuan Li, Alexander Hauptmann, Yonatan Bisk, Yiming Yang Annual Conference of the Nations of the Americas Chapter of the ACL	2025
18	Vid2Robot: End-to-end Video-conditioned Policy Learning with Cross-Attention Transformers Vidhi Jain, Maria Attarian, Nikhil J Joshi, Ayzaan Wahid, Danny Driess, Quan Vuong, Pannag R Sanketi, Pierre Sermanet, Stefan Welker, Christine Chan, Igor Gilitschenski, Yonatan Bisk, Debidatta Dwibedi Robotics: Science and Systems	2024
19	SOTOPIA-π: Interactive Learning of Socially Intelligent Language Agents Ruiyi Wang, Haofei Yu, Wenxin Zhang, Zhengyang Qi, Maarten Sap, Graham Neubig, Yonatan Bisk, Hao Zhu The 62nd Annual Meeting of the Association for Computational Linguistics	2024
20	OpenEQA: Embodied Question Answering in the Era of Foundation Models Arjun Majumdar, Anurag Ajay, Xiaohan Zhang, Pranav Putta, Sriram Yenamandra, Mikael Henaff, Sneha Silwal, Paul Mcvay, Oleksandr Maksymets, Sergio Arnaud, Karmesh Yadav, Qiyang Li, Ben Newman, Mohit Sharma, Vincent Berges, Shiqi Zhang, Pulkit Agrawal, Yonatan Bisk, Dhruv Batra, Mrinal Kalakrishnan, Franziska Meier, Chris Paxton, Sasha Sax, Aravind Rajeswaran	2024
	Conference on Computer Vision and Pattern Recognition	
21	SOTOPIA: Interactive Evaluation for Social Intelligence in Language Agents Xuhui Zhou, Hao Zhu, Leena Mathur, Ruohong Zhang, Haofei Yu, Zhengyang Qi, Louis-Philippe Morency, Yonatan Bisk, Daniel Fried, Graham Neubig, Maarten Sap The Twelfth International Conference on Learning Representations (Spotlight)	2024

Open X-Embodiment: Robotic Learning Datasets and RT-X Models: Open X-Embodiment Collaboration

Abby O'Neill, Abdul Rehman, Abhiram Maddukuri, Abhishek Gupta, Abhishek Padalkar, Abraham Lee, Acorn Pooley, Agrim Gupta, Ajay Mandlekar, Ajinkya Jain, Albert Tung, Alex Bewley, Alex Herzog, Alex Irpan, Alexander Khazatsky, Anant Rai, Anchit Gupta, Andrew Wang, Anikait Singh, Animesh Garg, Aniruddha Kembhavi, Annie Xie, Anthony Brohan, Antonin Raffin, Archit Sharma, Arefeh Yavary, Arhan Jain, Ashwin Balakrishna, Ayzaan Wahid, Ben Burgess-Limerick, Beomjoon Kim, Bernhard Schölkopf, Blake Wulfe, Brian Ichter, Cewu Lu, Charles Xu, Charlotte Le, Chelsea Finn, Chen Wang, Chenfeng Xu, Cheng Chi, Chenguang Huang, Christine Chan, Christopher Agia, Chuer Pan, Chuyuan Fu, Coline Devin, Danfei Xu, Daniel Morton, Danny Driess, Daphne Chen, Deepak Pathak, Dhruv Shah, Dieter Büchler, Dinesh Jayaraman, Dmitry Kalashnikov, Dorsa Sadigh, Edward Johns, Ethan Foster, Fangchen Liu, Federico Ceola, Fei Xia, Feiyu Zhao, Freek Stulp, Gaoyue Zhou, Gaurav S. Sukhatme, Gautam Salhotra, Ge Yan, Gilbert Feng, Giulio Schiavi, Glen Berseth, Gregory Kahn, Guanzhi Wang, Hao Su, Hao-Shu Fang, Haochen Shi, Henghui Bao, Heni Ben Amor, Henrik I Christensen, Hiroki Furuta, Homer Walke, Hongjie Fang, Huy Ha, Igor Mordatch, Ilija Radosavovic, Isabel Leal, Jacky Liang, Jad Abou-Chakra, Jaehyung Kim, Jaimyn Drake, Jan Peters, Jan Schneider, Jasmine Hsu, Jeannette Bohg, Jeffrey Bingham, Jeffrey Wu, Jensen Gao, Jiaheng Hu, Jiajun Wu, Jialin Wu, Jiankai Sun, Jianlan Luo, Jiayuan Gu, Jie Tan, Jihoon Oh, Jimmy Wu, Jingpei Lu, Jingyun Yang, Jitendra Malik, João Silvério, Joey Hejna, Jonathan Booher, Jonathan Tompson, Jonathan Yang, Jordi Salvador, Joseph J. Lim, Junhyek Han, Kaiyuan Wang, Kanishka Rao, Karl Pertsch, Karol Hausman, Keegan Go, Keerthana Gopalakrishnan, Ken Goldberg, Kendra Byrne, Kenneth Oslund, Kento Kawaharazuka, Kevin Black, Kevin Lin, Kevin Zhang, Kiana Ehsani, Kiran Lekkala, Kirsty Ellis, Krishan Rana, Krishnan Srinivasan, Kuan Fang, Kunal Pratap Singh, Kuo-Hao Zeng, Kyle Hatch, Kyle Hsu, Laurent Itti, Lawrence Yunliang Chen, Lerrel Pinto, Li Fei-Fei, Liam Tan, Linxi Jim Fan, Lionel Ott, Lisa Lee, Luca Weihs, Magnum Chen, Marion Lepert, Marius Memmel, Masayoshi Tomizuka, Masha Itkina, Mateo Guaman Castro, Max Spero, Maximilian Du, Michael Ahn, Michael C. Yip, Mingtong Zhang, Mingyu Ding, Minho Heo, Mohan Kumar Srirama, Mohit Sharma, Moo Jin Kim, Naoaki Kanazawa, Nicklas Hansen, Nicolas Heess, Nikhil J Joshi, Niko Suenderhauf, Ning Liu, Norman Di Palo, Nur Muhammad MahiShafiullah, Oier Mees, Oliver Kroemer, Osbert Bastani, Pannag R Sanketi, Patrick Tree Miller, Patrick Yin, Paul Wohlhart, Peng Xu, Peter David Fagan, Peter Mitrano, Pierre Sermanet, Pieter Abbeel, Priya Sundaresan, Qiuyu Chen, Quan Vuong, Rafael Rafailov, Ran Tian, Ria Doshi, Roberto Martín-Martín, Rohan Baijal, Rosario Scalise, Rose Hendrix, Roy Lin, Runjia Qian, Ruohan Zhang, Russell Mendonca, Rutav Shah, Ryan Hoque, Ryan Julian, Samuel Bustamante, Sean Kirmani, Sergey Levine, Shan Lin, Sherry Moore, Shikhar Bahl, Shivin Dass, Shubham Sonawani, Shuran Song, Sichun Xu, Siddhant Haldar, Siddharth Karamcheti, Simeon Adebola, Simon Guist, Soroush Nasiriany, Stefan Schaal, Stefan Welker, Stephen Tian, Subramanian Ramamoorthy, Sudeep Dasari, Suneel Belkhale, Sungjae Park, Suraj Nair, Suvir Mirchandani, Takayuki Osa, Tanmay Gupta, Tatsuya Harada, Tatsuya Matsushima, Ted Xiao, Thomas Kollar, Tianhe Yu, Tianli Ding, Todor Davchev, Tony Z. Zhao, Travis Armstrong, Trevor Darrell, Trinity Chung, Vidhi Jain, Vincent Vanhoucke, Wei Zhan, Wenxuan Zhou, Wolfram Burgard, Xi Chen, Xiaolong Wang, Xinghao Zhu, Xinyang Geng, Xiyuan Liu, Xu Liangwei, Xuanlin Li, Yao Lu, Yecheng Jason Ma, Yejin Kim, Yevgen Chebotar, Yifan Zhou, Yifeng Zhu, Yilin Wu, Ying Xu, Yixuan Wang, Yonatan

Zehan Ma, Zhuo Xu, Zichen Jeff Cui, Zichen Zhang, Zipeng Lin IEEE International Conference on Robotics and Automation (ICRA)

MOSAIC: Learning Unified Multi-Sensory Object Property Representations for 23 **Robot Perception**

Bisk, Yoonyoung Cho, Youngwoon Lee, Yuchen Cui, Yue Cao, Yueh-Hua Wu, Yujin Tang, Yuke Zhu, Yunchu Zhang, Yunfan Jiang, Yunshuang Li, Yunzhu Li, Yusuke Iwasawa, Yutaka Matsuo,

Gyan Tatiya, Jonathan Francis, Ho-Hsiang Wu, Yonatan Bisk, Jivko Sinapov IEEE International Conference on Robotics and Automation

- WebArena: A Realistic Web Environment for Building Autonomous Agents Shuyan Zhou, Frank F. Xu, Hao Zhu, Xuhui Zhou, Robert Lo, Abishek Sridhar, Xianyi Cheng, Tianyue Ou, Yonatan Bisk, Daniel Fried, Uri Alon, Graham Neubig The Twelfth International Conference on Learning Representations
- Spatial-Language Attention Policies for Efficient Robot Learning 2023 Priyam Parashar, Vidhi Jain, Xiaohan Zhang, Jay Vakil, Sam Powers, Yonatan Bisk, Chris Paxton Conference on Robot Learning

2024

2024

2024

26	SPAE: Semantic Pyramid AutoEncoder for Multimodal Generation with Frozen LLMs	2023
	Lijun Yu, Yong Cheng, Zhiruo Wang, Vivek Kumar, Wolfgang Macherey, Yanping Huang, David A. Ross, Irfan Essa, <u>Yonatan Bisk</u> , Ming-Hsuan Yang, Kevin Murphy, Alexander Hauptmann, Lu Jiang	
	Thirty-seventh Conference on Neural Information Processing Systems	
27	HomeRobot: Open-Vocabulary Mobile Manipulation Sriram Yenamandra, Arun Ramachandran, Karmesh Yadav, Austin Wang, Mukul Khanna, Theophile Gervet, Tsung-Yen Yang, Vidhi Jain, Alexander William Clegg, John Turner, Zsolt Kira, Manolis Savva, Angel Chang, Devendra Singh Chaplot, Dhruv Batra, Roozbeh Mottaghi, Yonatan Bisk, Chris Paxton Conference on Robot Learning	2023
28	SPRING: GPT-4 Out-performs RL Algorithms by Studying Papers and Reasoning	2023
	Yue Wu, Shrimai Prabhumoye, So Yeon Min, <u>Yonatan Bisk,</u> Ruslan Salakhutdinov, Amos Azaria, Tom Mitchell, Yuanzhi Li	
	Thirty-seventh Conference on Neural Information Processing Systems	
29	Towards Open-World Mobile Manipulation in Homes: Lessons from the Neurips 2023 HomeRobot Open Vocabulary Mobile Manipulation Challenge Sriram Yenamandra, Arun Ramachandran, Mukul Khanna, Karmesh Yadav, Jay Vakil, Andrew Melnik, Michael Büttner, Leon Harz, Lyon Brown, Gora Chand Nandi, Arjun PS, Gaurav Kumar Yadav, Rahul Kala, Robert Haschke, Yang Luo, Jinxin Zhu, Yansen Han, Bingyi Lu, Xuan Gu, Qinyuan Liu, Yaping Zhao, Qiting Ye, Chenxiao Dou, Yansong Chua, Volodymyr Kuzma, Vladyslav Humennyy, Ruslan Partsey, Jonathan Francis, Devendra Singh Chaplot, Gunjan Chhablani, Alexander Clegg, Theophile Gervet, Vidhi Jain, Ram Ramrakhya, Andrew Szot, Austin Wang, Tsung-Yen Yang, Aaron Edsinger, Charlie Kemp, Binit Shah, Zsolt Kira, Dhruv Batra, Roozbeh Mottaghi, Yonatan Bisk, Chris Paxton	2023
	Thirty-seventh Conference on Neural Information Processing Systems: Competition Track	
30	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
31	The Framework Tax: Disparities Between Inference Efficiency in Research and	2023
01	Deployment Jared Fernandez, Jacob Kahn, Clara Na, Yonatan Bisk, Emma Strubell The 2023 Conference on Empirical Methods in Natural Language Processing (Oral)	
32	Computational Language Acquisition with Theory of Mind Andy Liu, Hao Zhu, Emmy Liu, Yonatan Bisk, Graham Neubig The Eleventh International Conference on Learning Representations	2023
33	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 IEEE/RSJ International Conference on Intelligent Robots and Systems	2023
34	Don't Copy the Teacher: Data and Model Challenges in Embodied Dialogue So Yeon Min, Hao Zhu, Ruslan Salakhutdinov, Yonatan Bisk	2022
	Conference on Empirical Methods in Natural Language Processing	
35	EvEntS ReaLM: Event Reasoning of Entity States via Language Models Evangelia Spiliopoulou, Artidoro Pagnoni, Yonatan Bisk, Eduard Hovy Conference on Empirical Methods in Natural Language Processing	2022
36	On Advances in Text Generation from Images Beyond Captioning: A Case Study in Self-Rationalization Shruti Palaskar, Akshita Bhagia, Yonatan Bisk, Florian Metze, Alan W Black, Ana Marasovic Findings of the Conference on Empirical Methods in Natural Language Processing	2022
37	Transformers are Adaptable Task Planners Vidhi Jain, Yixin Lin, Eric Undersander, Yonatan Bisk, Akshara Rai Conference on Robot Learning	2022

38	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, <u>Yonatan Bisk</u>	2022
	39th International Conference on Machine Learning	
39	A Framework for Learning to Request Rich and Contextually Useful Information from Humans	2022
	Khanh Nguyen, Yonatan Bisk, Hal Daume III 39th International Conference on Machine Learning,	
40	Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral)	2022
41	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
42	KAT: A Knowledge Augmented Transformer for Vision-and-Language Liangke Gui, Borui Wang, Qiuyuan Huang, Alexander Hauptmann, Yonatan Bisk, Jianfeng Gao Annual Conference of the North American Chapter of the Association for Computational	2022
43	Linguistics (Oral) FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, Yonatan Bisk, Ruslan Salakhutdinov	2022
	The Tenth International Conference on Learning Representations	
44	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
45	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
46	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer	2021
47	Conference on Robot Learning TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment	2021
	Jianwei Yang, <u>Yonatan Bisk</u> , Jianfeng Gao <i>International Conference on Computer Vision</i>	
48	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk	2021
	The Thirty-eighth International Conference on Machine Learning	
49	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black	2021
	Findings of The 2021 Conference of the Association for Computational Linguistics	
50	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,	2021
	Andrea Vanzo, Oliver Lemon The 2021 Conference of the European Chapter of the Association for Computational Linguistics (Oral)	
51	Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering Kaixin Ma, Filip Ilievski, Jonathan Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari	2021
52	35th AAAI Conference on Artificial Intelligence ALFWorld: Aligning Text and Embodied Environments for Interactive Learning Mohit Shridhar, Xingdi Yuan, Marc-Alexandre Côté, Yonatan Bisk, Adam Trischler, Matthew Hausknecht	2021
	International Conference on Learning Representations	

53	Imagining Grounded Conceptual Representations from Perceptual Information in Situated Guessing Games Alessandro Suglia, Antonio Vergari, Ioannis Konstas, <u>Yonatan Bisk</u> , Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon	2020
	The 28th International Conference on Computational Linguistics (Oral)	
54	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	2020
	Conference on Empirical Methods in Natural Language Processing (Oral)	2020
55	RMM: A Recursive Mental Model for Dialog Navigation Homero Roman Roman, Yonatan Bisk, Jesse Thomason, Asli Celikyilmaz, Jianfeng Gao	2020
	Conference on Empirical Methods in Natural Language Processing: Findings	2020
56	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday 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)	2020
57	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
58	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
59	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	2019
	Thirty-third Conference on Neural Information Processing Systems	
60	Improving Robot Success Detection using Static Object Data Rosario Scalise, Jesse Thomason, Yonatan Bisk, Siddhartha Srinivasa	2019
	IEEE/RSJ International Conference on Intelligent Robots and Systems	
61	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	
62	 RoboCup Best Paper Award finalist HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi 	2019
	Association for Computational Linguistics	
63	From Recognition to Cognition: Visual Commonsense Reasoning Rowan Zellers, Yonatan Bisk, Ali Farhadi, Yejin Choi	2019
	The IEEE Conference on Computer Vision and Pattern Recognition (Oral)	2016
64	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 The IEEE Conference on Computer Vision and Pattern Recognition (Oral)	2019
65	Prospection: Interpretable Plans From Language By Predicting the Future Chris Paxton, Yonatan Bisk, Jesse Thomason, Arunkumar Byravan, Dieter Fox	2019
66	International Conference on Robotics and Automation (ICRA) Shifting the Passing Single Modelity Parformance on Visual Navigation % OA	0010
66	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> Annual Conference of the North American Chapter of the Association for Computational Linguistics	2019

67	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)	
68	Character-based Surprisal as a Model of Reading Difficulty in the Presence of Errors	2019
	Michael Hahn, Frank Keller, <u>Yonatan Bisk</u> , Yonatan Belinkov	
	The 41st Annual Meeting of the Cognitive Science Society (Oral)	
69	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, Yonatan Bisk, Roy Schwartz, Yejin Choi	2018
	Conference on Empirical Methods in Natural Language Processing (Oral)	
70	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk	2018
	6th International Conference on Learning Representations (Oral)	
71	Learning Interpretable Spatial Operations in a Rich 3D Blocks World Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu This Control of the American Canada and Cana	2018
	Thirty-Second Conference on Artificial Intelligence (AAAI-18)	
72	Natural Language Inference from Multiple Premises Alice Lai, Yonatan Bisk, Julia Hockenmaier	2017
	Eighth International Joint Conference on Natural Language Processing (Oral)	2016
73	Natural Language Communication with Robots Yonatan Bisk, Deniz Yuret, Daniel Marcu	2016
	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	
74	Supertagging with LSTMs	2016
	Ashish Vaswani, <u>Yonatan Bisk</u> , Kenji Sagae, Ryan Musa	
	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Short Papers) (Oral)	
75	Evaluating Induced CCG Parsers on Grounded Semantic Parsing Yonatan Bisk, Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman	2016
	2016 Conference on Empirical Methods in Natural Language Processing	
76	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar Induction Yonatan Bisk, Julia Hockenmaier	2015
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th	
	International Joint Conference on Natural Language Processing (Volume 1: Long Papers) (Oral)	
77	Labeled Grammar Induction with Minimal Supervision Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier	2015
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (Volume 2: Short Papers)	
78	Simple Robust Grammar Induction with Combinatory Categorial Grammar	2012
	Yonatan Bisk, Julia Hockenmaier	
	Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
79	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han	2012
00	21st ACM international conference on Information and knowledge management (CIKM 2012)	2010
80	Normal-form parsing for CCGs with generalized composition and type-raising Julia Hockenmaier, Yonatan Bisk	2010
	23rd International Conference on Computational Linguistics (Coling 2010)	
_	Workshop Publications	
81	MAEA: Multimodal Attribution for Embodied Al Vidhi Jain, Jayant Sravan Tamarapalli, Sahiti Yerramilli, <u>Yonatan Bisk</u>	2022
	Progress and Challenges in Building Trustworthy Embodied AI at NeurIPS 2022	

82	Tackling AlfWorld with Action Attention and Common Sense from Language Models Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye	2022
	Language and Reinforcement Learning Workshop at NeurIPS 2022	
83	Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language Models Tejas Srinivasan, Yonatan Bisk	2022
84	4th Workshop on Gender Bias in Natural Language Processing 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
85	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
86	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation (Best Paper)	2018
87	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, Yonatan Bisk, Yejin Choi	2018
88	32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop Towards a Dataset for Human Computer Communication via Grounded Language Acquisition Yonatan Bisk, Daniel Marcu, William Wong	2016
89	AAAI 2016 Workshop on Symbiotic Cognitive Systems Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016
90	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012
_	Preprint Publications	
91	Model Successor Functions Yingshan Chang, Yonatan Bisk ArXiv	2025
92	Self-Regulation and Requesting Interventions So Yeon Min, Yue Wu, Jimin Sun, Max Kaufmann, Fahim Tajwar, Yonatan Bisk, Ruslan Salakhutdinov ArXiv	2025
93	Hardware Scaling Trends and Diminishing Returns in Large-Scale Distributed Training Jared Fernandez, Luca Wehrstedt, Leonid Shamis, Mostafa Elhoushi, Kalyan Saladi, Yonatan Bisk, Emma Strubell, Jacob Kahn ArXiv	2024
94	Embodied-RAG: General non-parametric Embodied Memory for Retrieval and Generation Quanting Xie, So Yeon Min, Tianyi Zhang, Aarav Bajaj, Ruslan Salakhutdinov, Matthew Johnson-Roberson, Yonatan Bisk ArXiv	2024
95	DegustaBot: Zero-Shot Visual Preference Estimation for Personalized Multi-Object Rearrangement Benjamin A. Newman, Pranay Gupta, Kris Kitani, Yonatan Bisk, Henny Admoni, Chris Paxton ArXiv	2024

96	Dialogue with Robots: Proposals for Brothe SLIVAR Community Casey Kennington, Malihe Alikhani, Heather Porried, Felix Gervits, Zhao Han, Mert Inan, Mich Matthew Marge, Cynthia Matuszek, Ross Mead	on-Barry, Katherine Atwell, <u>Yonatan Bisk,</u> Daniel nael Johnston, Raj Korpan, Diane Litman,	2024
	Parde, Jivko Sinapov, Angela Stewart, Matthew ArXiv	Stone, Stefanie Tellex, Tom Williams	
97	Toward General-Purpose Robots via Fou Meta-Analysis	ndation Models: A Survey and	2023
	Yafei Hu, Quanting Xie, Vidhi Jain, Jonathan F	Quan Chong, Chen Wang, Katia Sycara, Matthew	
98	Reasoning about the Unseen for Efficient Quanting Xie, Tianyi Zhang, Kedi Xu, Matthew ArXiv	•	2023
99		Models are Good Teachers for Embodied	2023
	Agents Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan S. Mitchell, Shrimai Prabhumoye ArXiv	alakhutdinov, Amos Azaria, Yuanzhi Li, Tom	
100	Retrospectives on the Embodied Al Wor Matt Deitke, Dhruv Batra, Yonatan Bisk, Tomi Singh Chaplot, Changan Chen, Claudia Pérez D Anthony Francis, Chuang Gan, Kristen Grauma Aniruddha Kembhavi, Jacob Krantz, Stefan Lee Maksymets, Roberto Martín-Martín, Roozbeh M Silvio Savarese, Manolis Savva, Mohit Shridhar, Joshua B. Tenenbaum, Jesse Thomason, Alexan Wu ArXiv	naso Čampari, Angel X. Chang, Devendra d'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, n, David Hall, Winson Han, Unnat Jain, e, Chengshu Li, Sagnik Majumder, Oleksandr Mottaghi, Sonia Raychaudhuri, Mike Roberts,	2022
101	Multi-View Learning for Vision-and-Lang	guage Navigation Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah	2020
102	FIND: Identifying Functionally and Structure Sequences with Deep Neural Networks Ranjani Murali, James Hemp, Victoria Orphan, bioRxiv		2019
103	Balancing Shared Autonomy with Huma Rosario Scalise, <u>Yonatan Bisk</u> , Maxwell Forbes, ArXiv		2018
104	CHALET: Cornell House Agent Learning Claudia Yan, Dipendra Misra, Andrew Bennett, ArXiv Preprint 1801.07357		2018
	Thesis Committees		
_	PhD Nikolaos Gkanatsios	Katerina Fragkiadaki,	CMU
_	PhD Gabe Sarch	Katerina Fragkiadaki and Mike Tarr,	
_	PhD Seungchan Kim	Sebastian Scherer	, CMU
_	PhD Brendon Boldt	David Mortensen,	, CMU
_	MSR Haochen Zhang	Wenshan Wang and Ji Zhang,	CMU
2024	PhD Xiaoyu Zhu	Alex Hauptmann	, CMU
2024	PhD Yijun Qian	Alex Hauptmann	, CMU
2024	PhD Jielin Qiu	Lei Li & Christos Faloutsos,	CMU

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2024		lor Berg-Kirkpatri	
2024	PhD Lijun Yu	Alex Hauptmar	
2023	PhD Kaixin Ma	Eric Nybe	_
2023	PhD Nicholas Botzer T	im Weninger, Not	re Dame
2023	PhD Naoki Otani	Ed Ho	vy, CMU
2023	PhD Dylan Ebert	Ellie Pavlick	k, Brown
2023	MSR Mateo Guaman Castro	Sebastian Scher	er, CMU
2022	PhD Shikib Mehri	Maxine Eskena	zi, CMU
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2022	PhD Evangelia Spiliopoulou	Ed Ho	vy, CMU
2022	PhD Dheeraj Rajagopal	Ed Ho	vy, CMU
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2021	PhD Pengcheng Yin	Graham Neub	ig, CMU
2021	MLT Jing Wen	Katerina Fragkiada	ki, CMU
2020	PhD Zihang Dai	Yiming Yar	ng, CMU
	Ç	G	O *
	Teaching		
2025	11-777 MultiModal Machine Learning	# Students:	145 , SP
2024	11-851 Talking to Robots	# Students:	
_	11-777 MultiModal Machine Learning w/Daniel Fried	# Students:	
_	11-777 MultiModal Machine Learning	# Students:	
2023	11-851 Talking to Robots (created)	# Students:	
_	11-767 On-Device Machine Learning w/Emma Strubell	# Students:	
_	11-777 MultiModal Machine Learning w/Daniel Fried	# Students:	
2022	11-767 On-Device Machine Learning w/Emma Strubell	# Students:	
_	11-777 MultiModal Machine Learning	# Students:	
2021	11-767 On-Device Machine Learning (co-created) w/Emma Strubell	# Students:	31 , FA
_	11-777 MultiModal Machine Learning	# Students:	42 , SP
	(Senior) Area Chair / Action Editor		
2025	AC: IEEE International Conference on Robotics and Automation (ICRA)	Robo
_	AC: Conference on Robot Learning (CoRL)		Robo
_	AC: Robotics: Science and Systems (RSS)		Robo
_	AC: Conference on Language Modeling (COLM)		NLP
_	AC: International Conference on Machine Learning (ICML)		AI/ML
_	AE: Transactions on Machine Learning Research (TMLR)		AI/ML
2024	AC: Conference on Robot Learning (CoRL)		Robo
_	AC: Conference on Computer Vision and Pattern Recognition (CV	PR)	CV
_	AC: International Conference on Learning Representations (ICLR)		AI/ML
_	AE: Transactions on Machine Learning Research (TMLR)		AI/ML
_	AC: European Chapter of the Association for Computational Lingu	istics (EACL)	NLP
_	SAE: ACL Rolling Review (ARR)	, ,	NLP
2023	AC: Neural Information Processing Systems (NeurIPS)		AI/ML
_	AC: International Conference on Machine Learning (ICML)		AI/ML
_	AE: Transactions on Machine Learning Research (TMLR)		AÍ/ML
_	SAE: ACL Rolling Review (ARR)		NLP
_	Ethics Co-Chair: Association for Computational Linguistics (ACL)		NLP

_	SAC: Em	npirical Methods in Natural Language Proc (EMNLP)	NLP
2022	AC: Inte	rnational Conference on Learning Representations (ICLR)	AI/ML
_	AC: Neu	ral Information Processing Systems (NeurIPS)	AI/ML
_	Senior M	IR: Association for the Advancement of Artificial Intelligence (AAAI)	AI/ML
_	AE: Tran	nsactions on Machine Learning Research (TMLR)	AI/ML
_	SAC: Em	npirical Methods in Natural Language Proc (EMNLP)	NLP
_	Senior A	E: ACL Rolling Review (ARR)	NLP
2021	AC: Inte	rnational Conference on Learning Representations (ICLR)	AI/ML
_	AC: Neu	ral Information Processing Systems (NeurIPS)	AI/ML
_	AC: Asso	ociation for Computational Linguistics (ACL)	NLP
_	AC: Emp	oirical Methods in Natural Language Proc (EMNLP)	NLP
_	AE: ACL	Rolling Review (ARR)	NLP
2020	AC: Asso	ociation for Computational Linguistics (ACL)	NLP
_	AC: Asia	-Pacific chapter of the Assoc. for Computational Linguistics (AACL)	NLP
_	AC: Neu	ral Information Processing Systems (NeurIPS)	AI/ML
2019	AC: Asso	ociation for Computational Linguistics (ACL)	NLP
2018	AC: Inte	rnational Conference on Computational Linguistics	NLP
2016	AC: Con	ference on Lexical and Computational Semantics (*SEM)	NLP
	Review	IO.	
NII D			2021
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 Linguistics	2014, 17, 20
	EMNLP	Empirical Methods in Natural Language Processing	2013 – 2020
	_	Best Papers Awards Committee	2024
		International Joint Conference on Natural Language Processing	2017
	NAACL	N. American Chapter of the Association for Computational Ling	2016 – 2019
	_	Best Papers Awards Committee	2025
	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	<u> </u>	9 – 2021,2023
	AURO	Autonomous Robots	2022
	RSS	Robotics: Science and Systems	2022, 2024
	HRI	Human Robot Interaction	2020 – 2025
	ICRA		2019,2023 – 25
	IJRR	International Journal of Robotics Research	2017
	IROS	IEEE/RSJ International Conference on Intelligent Robots and Systems	
/	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	'19 – '20, '25
	ICML	International Conference on Machine Learning	2019
	IJCAI	International Joint Conference on Artificial Intelligence	2019
	NeurIPS	Neural Information Processing Systems	2018 – 2019

	T-PAMI	Transactions on Pattern Analysis and Machine Intelligence	20	023 –				
CV	CVPR	Computer Vision and Pattern Recognition	2020,	2023				
	ICCV	International Conference on Computer Vision		2025				
_	Organi	ization (Workshops and Conference)						
2022		Workshop Embodied AI Workshop – Challenge Organizer Computer Vision and Pattern Recognition						
2021		Workshop Embodied AI Workshop – Challenge Organizer Computer Vision and Pattern Recognition						
2020	Worksho	Workshop Embodied Vision, Actions & Language Workshop European Conference on Computer Vision						
-	•	Workshop Workshop on Dataset Curation and Security						
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							
-		op Generalization in the Age of Deep Learning nerican Chapter of the Association for Computational Linguistics						
_		pp Wordplay: Reinformcent and Language Learning in Text-Based Games Neur	1PS					
2017	Conference Student Scholarship Chair and Student Volunteer Coordinator Conference on Empirical Methods in Natural Language Processing							
-		pp Language Grounding for Robotics ce of the Association for Computational Linguistics						
	Invitat	ions and Talks						
2024	Talking to Robots University Pennsylvania							
	_	ng Fails, Everything is Ambiguous RSS Social Intelligence Workshop						
	-	ke This, and Don't Wake the Baby RSS Task Specification Workshop						
		y of Maryland, College Park						
2023	•	Really Talking to Robots? "Dialogue with Robots" workshop, UPitt NSF W	/orkshc	nn.				
2023		language Articulate Robots: Utilizing Language for Robot Learning RSS Wo		•				
	Following	g Instructions and Asking Questions Learning by Asking for Intelligent Rob O-MAN Workshop						
	_	g Instructions and Asking Questions Goal Conditioned RL Workshop @ Ne	ırIPS					
2022		really connect language to robotics? CoRL Wksp on Language and Robot		nσ				
2022		chines learn language: Useful but wrong? 12th Inter. Wksp on Language		•				
		g Instructions and Asking Questions Univ of Potsdam	rroduc	LIOII				
		ifornia Santa Barbara NLP						
		Tech NLP						
	•	t Research NYC						
		te University						
		at Hamburg Crossmodal Learning (CML) summer school						
		y of Stuttgart Institute of Natural Language Processing						
	-	y of Pittsburgh NLP						
2021	-	-						
2021		llinois at Urbana-Champaign NLP nteraction for Robotic Navigation Workshop @ Inter. Conference on Computer	. Vicio-					
	ı iuillali İl	incraction for Nobolic Navigation violeshop & litter. Conference on Computer	v 151011	,				

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
- 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