Yonatan Bisk

MLT

Jimin Sun

Assistant Professor of Computer Science

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

LTI

2022 - 2023

	Positions						
2020 –	Assistant Professor Language Technologies Robotics Institute (cour	Institute	•				
	Previous						
2022 –	_		damental AI Research (FAIR) w/ Dhruv Batra	a & Ro	ozbeh N	Лottaghi
2021 –	Consulting Professor						
2019 –	Visiting Researcher		ft Research		ν	v/ Jianf	eng Gao
2017 –	Postdoctoral Schola		n Institute for Artificial Intellig	ence		w/Y	ejin Choi
2015 –	Postdoctoral Schola		in institute for Artificial intellig	circe		•••	cjiii Ciioi
			Iniversity of Southern California	ì		w/ Dani	el Marcu
	Education						
2015	PhD in Computer S	cience	The University of Illinois at U	Jrbana-Champaign,	,		
			mar Induction with Combi	natory Categorial	Gram	mars	
	Advisor: Julia Hockenm Committee: Jason Eisne		Roth, ChengXiang Zhai				
2009			he University of Texas at Aus	stin Turing Scholar,	,		
	•	of Sepa	rating Control and Logic Wh	nen Grounding Lan	guage	using	
	Neuroevolution Advisor: Risto Miikkulai	inen	Second Reader: Raymond Mo	ooney			
			•	-			
	PhD Students			Talkii	ngTo	Robo	ts.com
PhD	Jared Fernandez	he/him	Efficiency	(co-E Strubell)		LTI	2020 –
PhD	Vidhi Jain	she/her	Multimodal Task Specificat			RI	2021 –
PhD	Tiffany Min		Instruction Following	(co-R Salakhutdi	nov)	MLD	2021 –
PhD	Yingshan Chang		Multimodal Reasoning			LTI	2022 –
PhD	Abitha Thankaraj		LMs & Reasoning	(a. C. D)		CSD	2024 -
PhD	Rosa Vitiello	,	Collaboration	(co-C Rose)		LTI RI	2024 – 2024 –
PhD PhD	Quanting Xie Leena Mathur		Manipulation, LLMs, Social Robotics	(co-LP Morency))	LTI	2024 –
FIID	Leena Mathui	sne/ner	Social Robotics	(co-Li Worency)		LII	2024 -
	Masters						
MSR	Jacob Thompson	he/him	Generalist Agents			RI	2024
MSR	Yash Jangir	he/him	Robust Policies			RI	2024
5th	Claire Jin	she/her	Embodied Dialogue				2024
	Alumni						
F.L.		1 /1	Callaboration			SCS	2024
5th PhD	Sheryl Mathew Hao Zhu	,	Collaboration Theory of Mind	(co-G Neubig)	LTI		2024) – 2024
MS	Quanting Xie	,	LLMs for Robotics	(co-o iveubig)	Mech		2023
1413	4 341151118 7410	110/111111				-	2323

she/her Embodied Dialogue

MLT MLT	Yingshan Chang Josh Zhanson	she/her Multimo	· ·)20 – 2022)20 – 2022
MS	Xiaoyu (Erin) Zhang		•	(co-O Kroemer)		020 - 2022
IVIS	Aldoya (Elli) Ellang	she, her condoo	ative riobots	(co o ritociner)	5011 20	2022
	Interns and Und	ergraduates				
Ugrad	Su Li	she/her Robot L	earning.			2024
Ugrad	Maria Yampolsky	she/her Audio	· ·			2024
Intern	Minyoung Hwang	she/her Preferer	nce Learning			2024
Ugrad	Xiang Fan	he/him Transfor	_	(co-E Strubell)		2022
Intern	Andy Liu	he/him Theory-	•	(co-G Neubig)		2022
Intern	Deogratias Amani	he/him Groundi		(**************************************		2022
Ugrad	Feiyu (Gavin) Zhu	he/him Video S	-	(co-C Paxton)		2021
Intern	Melanie Sclar	•	tric Theory-of-Mind	,		2021
Intern	Blessing Bassey	she/her TextVQ	•	(60 0 11642.8)		2021
		she, her vertical	•			
	Capstones					
MCDS	VR Robot Teleop					2024
	Sophia Huang	Jensen (Yi-Che) Huang T	ianyi Cheng		
MSAII	Seed emergence	•	•			2024
	Harini Subramanyan	Juanyun	•	ya Morbale		
	Karthik Natarajan	Noel D S		o Zhang		
MRSD	Assistive Robotics for Abhinav Gupta	•	•	Pusalkar	1 /1 •	2023
	Praveen Venkatesh	he/hi:			he/hii he/hii	
	Shivam Tripathy	he/hi		· (ataria	ne, m	
MRSD	Modular Teleop with	Autonomy (*c				2022
	Jashkumar Diyora	he/hi		angopadhyay	she/h	er
	Jigar Patel	he/hi		Pradeep	he/hii	m
MCDS	Shivani Sivakumar Embodied Navigatio	she/h n and Interaction				2022
WCDS	Adhokshaja Madhwara			a Mahajan	he/hii	
	Sai Vishwas Padigi	he/hi			he/hir	m
	Malaika Vijay	she/h	er Zheng (.	Jessica) Zhong	she/h	
MCDS	Embodied Dialogue Xinyue Chen	and IoM she/h	er Nikhil G	unta	he/hii	2022
	Benny Jiang	he/hi	-		he/hii	
	Prasoon Varshney	he/hi				
MCDS	Novel Concept Learn					2022
	Bharani Ujjaini Kempa		er Linyi Li		she/h	er
MSAII	Visual Patent Search Suchong Dong	she/h	er Zhiyuan	Guo	he/hii	2022
	Mansi Goyal	she/h		lendez Simon	she/h	
	Sreenidhi Sundaram	she/h		n Den Berghe	he/hii	
	Journal Publicat					
1	Efficient Hardware S Language Models Jared Fernandez, Luca V Yonatan Bisk, Emma St Transactions on Machine	Vehrstedt, Leonid rubell, Jacob Kah	Shamis, Mostafa Elh n			2025
2	MotIF: Motion Instr Minyoung Hwang, Joey IEEE Robotics and Auto	Hejna, Dorsa Sad				2025

3	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	
4	The Return of Lexical Dependencies: Neural Lexicalized PCFGs Hao Zhu, Yonatan Bisk, Graham Neubig Transactions of the Association for Computational Linguistics	2020
5	An HDP Model for Inducing Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier Transactions of the Association for Computational Linguistics	2013
	Conference Publications	
6	Position: You Can't CNC a NeRF Ani Kimmel, Mueed Ur Rehman, Yonatan Bisk, Gary K. Fedder Forty-second International Conference on Machine Learning Position Paper Track	2025
7	Energy Considerations of Large Language Model Inference and Efficiency Optimizations	2025
	Jared Fernandez, Clara Na, Vashisth Tiwari, Yonatan Bisk, Sasha Luccioni, Emma Strubell The 63rd Annual Meeting of the Association for Computational Linguistics	
8	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
9	Explore Theory-of-Mind: Program-Guided Adversarial Data Generation for Theory of Mind Reasoning Melanie Sclar, Jane Yu, Maryam Fazel-Zarandi, Yulia Tsvetkov, Yonatan Bisk, Yejin Choi, Asli Celikyilmaz The Thirteenth International Conference on Learning Representations	2025
10	ANAVI: Audio Noise Awareness using Visuals of Indoor environments for NAVIgation Vidhi Jain, Rishi Veerapaneni, Yonatan Bisk Conference on Robot Learning	2024
11	Situated Instruction Following So Yeon Min, Xavi Puig, Devendra Singh Chaplot, Tsung-Yen Yang, Akshara Rai, Priyam Parashar, Ruslan Salakhutdinov, Yonatan Bisk, Roozbeh Mottaghi European Conference on Computer Vision	2024
12	Gradient Localization Improves Lifelong Pretraining of Language Models Jared Fernandez, Yonatan Bisk, Emma Strubell Findings of the Conference on Empirical Methods in Natural Language Processing	2024
13	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 Findings of the Conference on Empirical Methods in Natural Language Processing	2024
14	Tools Fail: Detecting Silent Errors in Faulty Tools Jimin Sun, So Yeon Min, Yingshan Chang, Yonatan Bisk Conference on Empirical Methods in Natural Language Processing	2024
15	Language Models Need Inductive Biases to Count Inductively Yingshan Chang, Yonatan Bisk The Thirteenth International Conference on Learning Representations	2025
16	DiffusionPID: Interpreting Diffusion via Partial Information Decomposition Shaurya Dewan, Rushikesh Zawar, Prakanshul Saxena, Yingshan Chang, Andrew Luo, Yonatan Bisk Thirty-Eighth Annual Conference on Neural Information Processing Systems	2024

17	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
18	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
19	Skews in the Phenomenon Space Hinder Generalization in Text-to-Image	2024
	Generation Yingshan Chang, Yasi Zhang, Zhiyuan Fang, Yingnian Wu, Yonatan Bisk, Feng Gao European Conference on Computer Vision	
20	Direct Preference Optimization of Video Large Multimodal Models from	2025
	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	
21	Vid2Robot: End-to-end Video-conditioned Policy Learning with Cross-Attention	2024
	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, <u>Yonatan Bisk</u> , Debidatta Dwibedi	
	Robotics: Science and Systems	
22	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	2024
	The 62nd Annual Meeting of the Association for Computational Linguistics	
23	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	
24	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	2024
	The Twelfth International Conference on Learning Representations (Spotlight)	

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

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

Gyan Tatiya, Jonathan Francis, Ho-Hsiang Wu, <u>Yonatan Bisk</u>, 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

28 **Spatial-Language Attention Policies for Efficient Robot Learning**Priyam Parashar, Vidhi Jain, Xiaohan Zhang, Jay Vakil, Sam Powers, <u>Yonatan Bisk</u>, Chris Paxton

Conference on Robot Learning

2024

2024

2023

29	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	
30	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
31	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	
32	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 Thirty-seventh Conference on Neural Information Processing Systems: Competition Track	2023
33	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
34	The Framework Tax: Disparities Between Inference Efficiency in Research and Deployment Jared Fernandez, Jacob Kahn, Clara Na, Yonatan Bisk, Emma Strubell The 2023 Conference on Empirical Methods in Natural Language Processing (Oral)	2023
35	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
36	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
37	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	
38	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
39	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	2022
	Findings of the Conference on Empirical Methods in Natural Language Processing	
40	Transformers are Adaptable Task Planners Vidhi Jain, Yixin Lin, Eric Undersander, Yonatan Bisk, Akshara Rai Conference on Robot Learning	2022

41	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, Yonatan Bisk 39th International Conference on Machine Learning	2022
40	_	2022
42	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,	
43	Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig	2022
	Annual Meeting of the Cognitive Science Society (Oral)	
44	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
45	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 Linguistics (Oral)	2022
46	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
17	WebQA: Multihop and Multimodal QA	2022
47	Yingshan Chang, Mridu Narang, Hisami Suzuki, Guihong Cao, Jianfeng Gao, Yonatan Bisk Conference on Computer Vision and Pattern Recognition (Oral)	2022
48	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
49	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
50	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
51	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk	2021
	The Thirty-eighth International Conference on Machine Learning	
52	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black	2021
	Findings of The 2021 Conference of the Association for Computational Linguistics	
53	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	2021
	The 2021 Conference of the European Chapter of the Association for Computational Linguistics (Oral)	
54	Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering	2021
	Kaixin Ma, Filip Ilievski, Jonathan Francis, <u>Yonatan Bisk</u> , Eric Nyberg, Alessandro Oltramari 35th AAAI Conference on Artificial Intelligence	
55	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

56	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
57	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 (Oral)	2020
58	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
59	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday	2020
33	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
60	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
61	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
62	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
62	Improving Robot Success Detection using Static Object Data	2019
63	Rosario Scalise, Jesse Thomason, Yonatan Bisk, Siddhartha Srinivasa IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
64	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, Yonatan Bisk, Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
65	 RoboCup Best Paper Award finalist HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics 	2019
66	From Recognition to Cognition: Visual Commonsense Reasoning Rowan Zellers, Yonatan Bisk, Ali Farhadi, Yejin Choi The IEEE Conference on Computer Vision and Pattern Recognition (Oral)	2019
67	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
68	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
69	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, Yonatan Bisk Annual Conference of the North American Chapter of the Association for Computational Linguistics	2019

70	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)	
71	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)	
72	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, Yonatan Bisk, Roy Schwartz, Yejin Choi	2018
73	Conference on Empirical Methods in Natural Language Processing (Oral) Synthetic and Natural Noise Both Break Neural Machine Translation	2018
, ,	Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2010
74	Learning Interpretable Spatial Operations in a Rich 3D Blocks World Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu	2018
75	Thirty-Second Conference on Artificial Intelligence (AAAI-18) Natural Language Inference from Multiple Premises	2017
73	Alice Lai, <u>Yonatan Bisk</u> , Julia Hockenmaier	2017
	Eighth International Joint Conference on Natural Language Processing (Oral)	
76	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)	
77	Supertagging with LSTMs Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa	2016
	15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (Short Papers) (Oral)	
78	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	
79	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar Induction	2015
	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)	
80	(Oral) 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)	
81	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier The Control of the Control of the Miles of AAAA (10)	2012
92	Twenty-Sixth Conference on Artificial Intelligence (AAAI-12) Document-Topic Hierarchies from Document Graphs	2012
82	Tim Weninger, Yonatan Bisk, Jiawei Han 21st ACM international conference on Information and knowledge management (CIKM)	2012
83	2012) Normal-form parsing for CCGs with generalized composition and type-raising	2010
	Julia Hockenmaier, <u>Yonatan Bisk</u> 23rd International Conference on Computational Linguistics (Coling 2010)	
	Workshop Publications	
84	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

85	Tackling AlfWorld with Action Attention and Common Sense from Language Models	2022
	Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye Language and Reinforcement Learning Workshop at NeurIPS 2022	
86	Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language Models Tejas Srinivasan, Yonatan Bisk	2022
	4th Workshop on Gender Bias in Natural Language Processing	
87	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
88	A Benchmark for Structured Procedural Knowledge Extraction from Cooking	2020
	Videos Frank F. Xu, Lei Ji, Botian Shi, Junyi Du, Graham Neubig, <u>Yonatan Bisk</u> , Nan Duan Workshop on NLP Beyond Text	
89	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk	2018
	2nd Workshop on Neural Machine Translation (Best Paper)	
90	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, Yonatan Bisk, Yejin Choi	2018
	32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop	
91	Towards a Dataset for Human Computer Communication via Grounded Language	2016
	Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems	
92	Unsupervised Neural Hidden Markov Models	2016
92	Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2010
93	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012
	Preprint Publications	
94	Looking beyond the next token Abitha Thankaraj, Yiding Jiang, J. Zico Kolter, Yonatan Bisk ArXiv	2025
95	Model Successor Functions Yingshan Chang, Yonatan Bisk ArXiv	2025
96	Self-Regulation and Requesting Interventions So Yeon Min, Yue Wu, Jimin Sun, Max Kaufmann, Fahim Tajwar, Yonatan Bisk, Ruslan Salakhutdinov ArXiv	2025
97	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
98	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

99	the SLIVAR Community Casey Kennington, Malihe Alikhani, Heather F Fried, Felix Gervits, Zhao Han, Mert Inan, Mie	ad, Shiwali Mohan, Raymond Mooney, Natalie	2024
100		Francis, Jay Patrikar, Nikhil Keetha, Seungchan Quan Chong, Chen Wang, Katia Sycara, Matthew	2023
101	Reasoning about the Unseen for Efficien Quanting Xie, Tianyi Zhang, Kedi Xu, Matthe ArXiv		2023
102	Agents	e Models are Good Teachers for Embodied Salakhutdinov, Amos Azaria, Yuanzhi Li, Tom	2023
103	Anthony Francis, Chuang Gan, Kristen Graum Aniruddha Kembhavi, Jacob Krantz, Stefan L Maksymets, Roberto Martín-Martín, Roozbeh Silvio Savarese, Manolis Savva, Mohit Shridha	nmaso Campari, Angel X. Chang, Devendra D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei,	2022
104	Multi-View Learning for Vision-and-Lar Qiaolin Xia, Xiujun Li, Chunyuan Li, Yonatan A. Smith ArXiv	nguage Navigation Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah	2020
105			2019
106	Balancing Shared Autonomy with Hum Rosario Scalise, <u>Yonatan Bisk</u> , Maxwell Forbes ArXiv		2018
107	CHALET: Cornell House Agent Learnin Claudia Yan, Dipendra Misra, Andrew Bennet ArXiv Preprint 1801.07357		2018
	Thesis Committees		
_	PhD Huihan Liu	Yuke Zhu, UT	Γ Austin
_	PhD Mark Lee	Oliver Kroeme	er, CMU
_	PhD Nikolaos Gkanatsios	Katerina Fragkiadal	ki, CMU
_	PhD Gabe Sarch	Katerina Fragkiadaki and Mike Tai	
_	PhD Seungchan Kim	Sebastian Schere	
_	PhD Brendon Boldt	David Mortense	
_	PhD Liangke Gui	Alex Hauptman	
_	MSR Haochen Zhang	Wenshan Wang and Ji Zhan	g, CMU

2024	PhD Xiaoyu Zhu	Alex Hauptma	
2024	PhD Yijun Qian	Alex Hauptma	
2024	PhD Jielin Qiu	Lei Li & Christos Falouts	
2024	PhD Nikita Srivatsan	Taylor Berg-Kirkpatri	
2024	PhD Lijun Yu	Alex Hauptma	
2023	PhD Kaixin Ma	Eric Nybe	_
2023	PhD Nicholas Botzer	Tim Weninger, No	
2023	PhD Naoki Otani		ovy, CMU
2023	PhD Dylan Ebert	Ellie Pavlic	
2023	MSR Mateo Guaman Castro	Sebastian Sche	
2022	PhD Shikib Mehri	Maxine Eskena	
2022	PhD Shruti Palaskar	Alan Black and Florian Met	
2022	PhD Evangelia Spiliopoulou		ovy, CMU
2022	PhD Dheeraj Rajagopal		ovy, CMU
2022		illippe Morency and Taylor Berg-Kirkpatri	
2022	MLT Aishwarya Jadhav	Katia Syca	
2021	PhD Pengcheng Yin	Graham Neuk	_
2021	MLT Jing Wen	Katerina Fragkiada	
2020	PhD Zihang Dai	Yiming Ya	ng, CMU
	Teaching		
2025	11-777 MultiModal Machine Learning	# Students:	145 . SP
2024	11-851 Talking to Robots	# Students:	
_	11-777 MultiModal Machine Learning w/Dan	••	
_	11-777 MultiModal Machine Learning	# Students:	
2023	11-851 Talking to Robots (created)	# Students:	
_	11-767 On-Device Machine Learning w/Emm		
_	11-777 MultiModal Machine Learning w/Dan		107 , SP
2022	11-767 On-Device Machine Learning w/Emm	a Strubell # Students:	42 , FA
_	11-777 MultiModal Machine Learning	# Students:	94 , SP
2021	11-767 On-Device Machine Learning (co-crea	ated) w/Emma Strubell # Students:	31 , FA
_	11-777 MultiModal Machine Learning	# Students:	42 , SP
_	(Senior) Area Chair / Action Edito	r	
2025	AC: IEEE International Conference on Robot		Robo
2025	AC: Conference on Robot Learning (CoRL)	ics and Automation (ICNA)	Robo
_	AC: Robotics: Science and Systems (RSS)		Robo
_	AC: Conference on Language Modeling (COI	(M)	NLP
_	SAE: ACL Rolling Review (ARR)		NLP
_	AC: International Conference on Machine Le	arning (ICML)	AI/ML
_	AE: Transactions on Machine Learning Resea	- ' '	AI/ML
2024	AC: Conference on Robot Learning (CoRL)		Robo
_	AC: Conference on Computer Vision and Pat	tern Recognition (CVPR)	CV
_	AC: International Conference on Learning Re	- ,	AI/ML
_	AE: Transactions on Machine Learning Resea	• ,	AI/ML
_	AC: European Chapter of the Association for	` ,	NLP
_	SAE: ACL Rolling Review (ARR)		NLP
2023	AC: Neural Information Processing Systems	(NeurIPS)	AI/ML

_	AC: Inte	rnational Conference on Machine Learning (ICML)	AI/ML
_	AE: Tran	nsactions on Machine Learning Research (TMLR)	AI/ML
_	SAE: AC	L Rolling Review (ARR)	NLP
_	Ethics C	o-Chair: Association for Computational Linguistics (ACL)	NLP
_	SAC: En	ppirical Methods in Natural Language Proc (EMNLP)	NLP
2022		rnational Conference on Learning Representations (ICLR)	AI/ML
_		ral Information Processing Systems (NeurIPS)	AÍ/ML
_		IR: Association for the Advancement of Artificial Intelligence (AAAI)	,
_		nsactions on Machine Learning Research (TMLR)	AÍ/ML
_		npirical Methods in Natural Language Proc (EMNLP)	NLP
_		E: ACL Rolling Review (ARR)	NLP
2021		rnational Conference on Learning Representations (ICLR)	AI/ML
_		ral Information Processing Systems (NeurIPS)	AÍ/ML
_		ociation for Computational Linguistics (ACL)	NLP
_		oirical Methods in Natural Language Proc (EMNLP)	NLP
_		. Rolling Review (ARR)	NLP
2020		ociation for Computational Linguistics (ACL)	NLP
_		-Pacific chapter of the Assoc. for Computational Linguistics (AACL)	NLP
_		ral Information Processing Systems (NeurIPS)	AI/ML
2019		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	ver er	
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
	IJCNLP	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	Conference on Robot Learning 201	9 – 2021,2023
	AURO	Autonomous Robots	2022
	RSS	Robotics: Science and Systems	2022, 2024
	HRI	Human Robot Interaction	2020 – 2025
	ICRA	International Conference on Robotics and Automation	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	2023 -
CV	CVPR	Computer Vision and Pattern Recognition	2020, 2023
	ICCV	International Conference on Computer Vision	2025

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

Invitations and Talks

2024 Talking to Robots University Pennsylvania

Everything Fails, Everything is Ambiguous RSS Social Intelligence Workshop **Do It Like This, and Don't Wake the Baby** RSS Task Specification Workshop University of Maryland, College Park

- Are We Really Talking to Robots? "Dialogue with Robots" workshop, UPitt NSF Workshop
 Words # language Articulate Robots: Utilizing Language for Robot Learning RSS Workshop
 Following Instructions and Asking Questions Learning by Asking for Intelligent Robots and
 Agents RO-MAN Workshop
 - Following Instructions and Asking Questions Goal Conditioned RL Workshop @ NeurIPS
- 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