Yonatan Bisk

Hao Zhu

Jimin Sun

Quanting Xie

Yingshan Chang

Josh Zhanson

PhD

MS

MLT

MLT

MLT

Assistant Professor of Computer Science

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

	Positions					
2020 –	Assistant Professor Language Technologies Robotics Institute (cour	Institute				
	Previous					
2022 –	Visiting Professor M	leta Fun	damental AI Research (FAI	R) w/ Dhruv Batra & Ro	oozbeh I	Nottaghi
2021 -	Consulting Professor	r Micros	oft Research			
2019 –	Visiting Researcher	Microso	ft Research		w/ Jiant	eng Gao
2017 –	Postdoctoral Schola University of Washingto		n Institute for Artificial Intelli	igence	w/ Y	ejin Choi
2015 –	Postdoctoral Schola					
	Information Sciences In	stitute, U	Iniversity of Southern Califorr	nia	w/ Dani	el Marcu
	Education					
2015		d Gram ı ıaier	The University of Illinois at mar Induction with Comb		nmars	
2009	BS in Computer Science <i>The University of Texas at Austin</i> Turing Scholar, Thesis: The Necessity of Separating Control and Logic When Grounding Language using Neuroevolution Advisor: Risto Miikkulainen Second Reader: Raymond Mooney					
	PhD Students			TalkingTo	Robo	ts.com
PhD	Jared Fernandez	he/him	Efficiency	(co-E Strubell)	LTI	2020 –
PhD	Vidhi Jain		Multimodal Task Specifica	,	RI	2021 -
PhD	Tiffany Min		Instruction Following	(co-R Salakhutdinov)	MLD	2021 -
PhD	Yingshan Chang	she/her	Multimodal Reasoning	,	LTI	2022 –
PhD	Abitha Thankaraj	she/her	Safety		CSD	2024 -
PhD	Jimin Sun	she/her	Tools		LTI	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					
MCD		1 /1 .	Conoralist Assats		DI	2024
MSR	Jacob Thompson	he/him	Generalist Agents		RI	2024
_	Alumni					

he/him Theory of Mind

 $_{
m he/him}$ LLMs for Robotics

 $_{
m she/her}$ Embodied Dialogue

she/her Multimodal Reasoning

he/him Embodied Visual Reps

(co-G Neubig)

LTI

LTI

LTI

LTI

MechE

2019 - 2024

2022 - 2023

2020 - 2022

2020 - 2022

2023

MS	Xiaoyu (Erin) Zhang	she/her Collaborative Ro	obots	(co-O Kroemer)	5th	2021	-
	Interns and Undergraduates						
Ugrad	Claire Jin	she/her Embodied Dialo	gue				
Jgrad	Maria Yampolsky	she/her Audio	0				
ntern	Minyoung Hwang	she/her Preference Learn	ninσ				
Ugrad	Xiang Fan	he/him Transformer Effi	_	(co-E Strubell)			
Intern	Andy Liu	he/him Theory-of-Mind	-	(co-G Neubig)			
Intern	Deogratias Amani	he/him Grounding		(co d recubig)			
grad	Feiyu (Gavin) Zhu	he/him Video Summariz	zation	(co-C Paxton)			
Intern	Melanie Sclar	she/her Symmetric Theo		` ,			
		•	ory-or-willia	(co-g Neubig)			
ntern	Blessing Bassey	she/her TextVQA					
	Capstones						
/ICDS	VR Robot Teleop						
	Sophia Huang	Jensen (Yi-Che) Huang	; Ti	anyi Cheng			
/ISAII	Seed emergence						
	Harini Subramanyan	Juanyun Mai	-	a Morbale			
1RSD	Karthik Natarajan	Noel D Souza or Eldercare (*co-Z Eri		o Zhang			
טכאוי	Abhinav Gupta	he/him	Atharva	Pusalkar	he	/him	
	Praveen Venkatesh	he/him	Shaolin k			/him	
	Shivam Tripathy	he/him				,	
1RSD		n Autonomy (*co-Z Eri	ckson)				
	Jashkumar Diyora	he/him		angopadhyay	she	e/her	
	Jigar Patel	he/him	Prakhar	Pradeep	he	/him	
1CDS	Shivani Sivakumar Embodied Navigatio	she/her					
ICDS	Adhokshaja Madhwara		Kushagra	a Mahajan	he	/him	
	Sai Vishwas Padigi	he/him	Vineeth I			/him	
	Malaika Vijay	she/her	Zheng (J	lessica) Zhong	she	e/her	
1CDS	Embodied Dialogue		NULL U.C.				
	Xinyue Chen	she/her	Nikhil Gu Shubham	•		/him	
	Benny Jiang Prasoon Varshney	he/him he/him	Silubilali	I FIIdI	ne	/him	
1CDS	Novel Concept Learn	,					
	Bharani Ujjaini Kempa	she/her	Linyi Li		she	e/her	
/ISAII	Visual Patent Search Suchong Dong	she/her	Zhiyuan	Guo	L.	/him	
	Mansi Goyal	she/her	-	endez Simon		/him e/her	
	Sreenidhi Sundaram	she/her		n Den Berghe		/him	
	Journal Publicat	tions					
1	Liangke Gui, Yingshan (Gao, <u>Yonatan Bisk</u>	guage Transformers fro Chang, Qiuyuan Huang, Su			nn, Jianfer	ng	
2		al Dependencies: Neur	al Lexicaliz	red PCFGs			
2		ociation for Computational	_	Commence			
3	Yonatan Bisk, Julia Hoo	Inducing Combinatory kenmaier ociation for Computational	_	Grammars			

Conference Publications

4	ANAVI: Audio Noise Awareness using Visuals of Indoor environments for NAVIgation Vidhi Jain, Rishi Veerapaneni, Yonatan Bisk Conference on Robot Learning	2024
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Conference on Computer Vision and Pattern Recognition 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

2024

2024

17 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)

18 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*

Conference on Robot Learning

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

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

21	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	
22	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
23	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	
24	Towards Open-World Mobile Manipulation in Homes: Lessons from the Neurips	2023
	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	2020
	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	
25	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
26	The Framework Tax: Disparities Between Inference Efficiency in Research and	2023
	Deployment Jared Fernandez, Jacob Kahn, Clara Na, Yonatan Bisk, Emma Strubell The 2023 Conference on Empirical Methods in Natural Language Processing (Oral)	_0_0
27	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
28	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
29	Don't Copy the Teacher: Data and Model Challenges in Embodied Dialogue So Yeon Min, Hao Zhu, Ruslan Salakhutdinov, Yonatan Bisk Conference on Empirical Methods in Natural Language Processing	2022
30	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
31	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
32	Transformers are Adaptable Task Planners Vidhi Jain, Yixin Lin, Eric Undersander, Yonatan Bisk, Akshara Rai Conference on Robot Learning	2022
33	Symmetric Machine Theory of Mind Melanie Sclar, Graham Neubig, Yonatan Bisk 39th International Conference on Machine Learning	2022

A Framework for Learning to Request Rich and Contextually Useful Information	2022
from Humans Khanh Nguyen, Yonatan Bisk, Hal Daume III 39th International Conference on Machine Learning,	
Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral)	2022
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
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
Linguistics (Oral) FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, Yonatan Bisk, Ruslan Salakhutdinov	2022
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
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
Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	2021
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
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
ALFWorld: Aligning Text and Embodied Environments for Interactive Learning Mohit Shridhar, Xingdi Yuan, Marc-Alexandre Côté, Yonatan Bisk, Adam Trischler, Matthew Hausknecht	2021
Situated Guessing Games Alessandro Suglia, Antonio Vergari, Ioannis Konstas, <u>Yonatan Bisk</u> , Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon	2020
	From Humans Khanh Nguyen, Yonatan Bisk. Hal Daume III 39th International Conference on Machine Learning, Simulated Language Learning from Communicative Goals and Linguistic Input Hao Zhu, Yonatan Bisk, Graham Neubig Annual Meeting of the Cognitive Science Society (Oral) 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 Moufi, 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 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) 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 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) 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 Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision Few-Shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk, Shan W Black Findings

49	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)	
50	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
51	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)	
52	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
53	Robust Navigation with Language Pretraining and Stochastic Sampling Xiujun Li, Chunyuan Li, Qiaolin Xia, <u>Yonatan Bisk</u> , Asli Celikyilmaz, Jianfeng Gao, Noah A. Smith, Yejin Choi	2019
	Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing	
54	Defending Against Neural Fake News	2019
	Rowan Zellers, Ari Holtzman, Hannah Rashkin, <u>Yonatan Bisk</u> , Ali Farhadi, Franziska Roesner, Yejin Choi	
	Thirty-third Conference on Neural Information Processing Systems	
55	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
56	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 - RoboCup Best Paper Award finalist	
57	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
58	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
59	Tactical Rewind: Self-Correction via Backtracking in Vision-and-Language	2019
	Navigation Liyiming Ke, Xiujun Li, <u>Yonatan Bisk</u> , Ari Holtzman, Zhe Gan, Jingjing Liu, Jianfeng Gao, Yejin Choi, Siddhartha Srinivasa	
	The IEEE Conference on Computer Vision and Pattern Recognition (Oral)	
60	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
61	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, Yonatan Bisk Annual Conference of the North Association Chapter of the Association for Computational	2019
	Annual Conference of the North American Chapter of the Association for Computational Linguistics	
62	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)	
63	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)	

64	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, <u>Yonatan Bisk</u> , Roy Schwartz, Yejin Choi Conference on Empirical Methods in Natural Language Processing (Oral)	2018
65	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk 6th International Conference on Learning Representations (Oral)	2018
66	<u>Vonatan Bisk</u> , Kevin Shih, Yejin Choi, Daniel Marcu Thirty-Second Conference on Artificial Intelligence (AAAI-18)	2018
67	Natural Language Inference from Multiple Premises Alice Lai, Yonatan Bisk, Julia Hockenmaier Eighth International Joint Conference on Natural Language Processing (Oral)	2017
68	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
69	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
70	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
71	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
72	<u>Yonatan Bisk</u> , 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
73	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
74	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han 21st ACM international conference on Information and knowledge management (CIKM 2012)	2012
75	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	
76	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
77	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
78	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
79	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

80	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	2020
	Workshop on NLP Beyond Text	
81	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk 2nd Workshop on Neural Machine Translation (Best Paper)	2018
82	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
83	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
84	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)	2016
85	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	2012
	Preprint Publications	
86	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
87	MotIF: Motion Instruction Fine-tuning Minyoung Hwang, Joey Hejna, Dorsa Sadigh, Yonatan Bisk ArXiv	2024
88	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
89	Language Models Need Inductive Biases to Count Inductively Yingshan Chang, Yonatan Bisk ArXiv	2024
90	Dialogue with Robots: Proposals for Broadening Participation and Research in the SLIVAR Community Casey Kennington, Malihe Alikhani, Heather Pon-Barry, Katherine Atwell, Yonatan Bisk, Daniel Fried, Felix Gervits, Zhao Han, Mert Inan, Michael Johnston, Raj Korpan, Diane Litman, Matthew Marge, Cynthia Matuszek, Ross Mead, Shiwali Mohan, Raymond Mooney, Natalie Parde, Jivko Sinapov, Angela Stewart, Matthew Stone, Stefanie Tellex, Tom Williams ArXiv	2024
91	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 ArXiv	2024
92	Toward General-Purpose Robots via Foundation Models: A Survey and Meta-Analysis Yafei Hu, Quanting Xie, Vidhi Jain, Jonathan Francis, Jay Patrikar, Nikhil Keetha, Seungchan Kim, Yaqi Xie, Tianyi Zhang, Shibo Zhao, Yu Quan Chong, Chen Wang, Katia Sycara, Matthew Johnson-Roberson, Dhruv Batra, Xiaolong Wang, Sebastian Scherer, Zsolt Kira, Fei Xia, Yonatan Bisk ArXiv	2023
93	Reasoning about the Unseen for Efficient Outdoor Object Navigation Quanting Xie, Tianyi Zhang, Kedi Xu, Matthew Johnson-Roberson, Yonatan Bisk ArXiv	2023

94	Plan, Eliminate, and Track – Lar Agents	nguage Models are Good Teachers for Embodied	2023
		Ruslan Salakhutdinov, Amos Azaria, Yuanzhi Li, Tom	
95	Singh Chaplot, Changan Chen, Claudia Anthony Francis, Chuang Gan, Kristen Aniruddha Kembhavi, Jacob Krantz, S Maksymets, Roberto Martín-Martín, R Silvio Savarese, Manolis Savva, Mohit Joshua B. Tenenbaum, Jesse Thomaso Wu	Al Workshop sk, Tommaso Campari, Angel X. Chang, Devendra Pérez D'Arpino, Kiana Ehsani, Ali Farhadi, Li Fei-Fei, Grauman, David Hall, Winson Han, Unnat Jain, tefan Lee, Chengshu Li, Sagnik Majumder, Oleksandr oozbeh Mottaghi, Sonia Raychaudhuri, Mike Roberts, Shridhar, Niko Sünderhauf, Andrew Szot, Ben Talbot, on, Alexander Toshev, Joanne Truong, Luca Weihs, Jiajun	2022
	ArXiv		
96	Multi-View Learning for Vision-a Qiaolin Xia, Xiujun Li, Chunyuan Li, Y A. Smith ArXiv	nd-Language Navigation <u>'onatan Bisk</u> , Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah	2020
97	FIND: Identifying Functionally at Sequences with Deep Neural Ne Ranjani Murali, James Hemp, Victoria bioRxiv		2019
98	Balancing Shared Autonomy with Rosario Scalise, Yonatan Bisk, Maxwel ArXiv	h Human-Robot Communication I Forbes, Daqing Yi, Yejin Choi, Siddhartha Srinivasa	2018
99	CHALET: Cornell House Agent I Claudia Yan, Dipendra Misra, Andrew ArXiv Preprint 1801.07357	Learning Environment Bennett, Aaron Walsman, <u>Yonatan Bisk,</u> Yoav Artzi	2018
	Thesis Committees		
_	MSR Haochen Zhang	Wenshan Wang and Ji Zhang,	CMU
_	PhD Nikolaos Gkanatsios	Katerina Fragkiadaki,	CMU
_	PhD Gabe Sarch	Katerina Fragkiadaki and Mike Tarr,	CMU
_	PhD Seungchan Kim	Sebastian Scherer,	CMU
_	PhD Brendon Boldt	David Mortensen,	CMU
-	PhD Xiaoyu Zhu	Alex Hauptmann,	
_	PhD Liangke Gui	Alex Hauptmann,	
_	PhD Yijun Qian	Alex Hauptmann,	
2024	PhD Jielin Qiu	Lei Li & Christos Faloutsos,	
2024	PhD Nikita Srivatsan	Taylor Berg-Kirkpatrick,	
2024 2023	PhD Lijun Yu MSR Mateo Guaman Castro	Alex Hauptmann, Sebastian Scherer,	
2023	PhD Kaixin Ma	Eric Nyberg,	
2023	PhD Nicholas Botzer	Tim Weninger, Notre	
2023	PhD Naoki Otani	Ed Hovy,	
2023	PhD Dylan Ebert	Ellie Pavlick, I	
2022	PhD Shikib Mehri	Maxine Eskenazi ,	
2022	PhD Shruti Palaskar	Alan Black and Florian Metze,	CMU
2022	PhD Evangelia Spiliopoulou	Ed Hovy,	CMU
2022	PhD Dheeraj Rajagopal	Ed Hovy,	CMU
2022	PhD Volkan Cirik	Louis-Philippe Morency and Taylor Berg-Kirkpatrick,	CMU
2022	MLT Aishwarya Jadhav	Katia Sycara,	
2021	PhD Pengcheng Yin	Graham Neubig,	CMU

2020	PhD Zihang Dai	Yiming Yang, CMU
2021	MLT Jing Wen	Katerina Fragkiadaki, CMU
2021	Qual Mohit Sharma	Oliver Kroemer, CMU
	Teaching	
2024	11-851 Talking to Robots	# Students: 37 , FA
	11-777 MultiModal Machine Learning	Co-Daniel Fried # Students: 83, FA
	11-777 MultiModal Machine Learning	# Students: 135, SP
2023	11-851 Talking to Robots (created)	# Students: 16 , FA
	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 69 , FA
	11-777 MultiModal Machine Learning	Co-Daniel Fried # Students: 107, SP
2022	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 42 , FA
	11-777 MultiModal Machine Learning	# Students: 94 , SP
2021	11-767 On-Device Machine Learning (co-created)	Co-Emma Strubell # Students: 31 , FA
	11-777 MultiModal Machine Learning	# Students: 42 , SP
	Diversity and Inclusion	
2022	NAACL 2022 DEI Co-Chair	
2022	Restructuring of LTI PhD Admissions,	Dur
2021	LTI DEI Committee,	<i>2yr</i> 2yrs
2020	CrashCourse AI Educational YouTube series targeted at	-
2019	Ashe. Co-Written with Lana Yarosh and Tim Weninger,	1yr
2018	ACM Council on Diversity & Inclusion Investigating a ACM on behalf of underrepresented groups.,	nd initiating institutional change within $1yr$
-	Grace Hopper PC member Review submissions to Al T	Technical Track, 1yr
2016	NCWIT Collegiate Award Review applications for the N Technology's Collegiate Award honoring college women, I	
2009	NCWIT Aspirations in Computing Review applications Information Technology's Award for Aspirations in Computinterested in CS, UIUC, ISI	
_	Tech Junket/Women in CS Outreach for local Urbana-	Champaign pre-college students, UIUC
	2yrs	
2008	Freshman Research Mentor Mentored students to perfo	orm research, UTexas 1yr
_	First Bytes Helped organize a summer camp for girls into	erested in CS, UTexas
-	Co-Founded Breakfast Bytes Professor talks for pre-co	llege students, UTexas 1yr
-	CS Roadshow CS presentations at Austin middle and high	gh schools, UTexas 1yr
	(Senior) Area Chair / Action Editor	
2025	IEEE International Conference on Robotics and Auto	omation (ICRA) Robo
_	AE: Transactions on Machine Learning Research (TN	MLR) AI/ML
_	International Conference on Machine Learning (ICM	L) AI/ML
2024	Conference on Robot Learning (CoRL)	Robo
_	Conference on Computer Vision and Pattern Recogn	nition (CVPR) CV
_	International Conference on Learning Representation	ns (ICLR) AI/ML
_	European Chapter of the Association for Computation	onal Linguistics (EACL) NLP
_	Senior AE: ACL Rolling Review (ARR)	NLP
_	AE: Transactions on Machine Learning Research (TN	MLR) AI/ML
2023	Neural Information Processing Systems (NeurIPS)	AI/ML

_	Internati	onal Conference on Machine Learning (ICML)	AI/ML
_		nsactions on Machine Learning Research (TMLR)	AI/ML
_		E: ACL Rolling Review (ARR)	NLP
_	Ethics C	NLP	
_	Empirica	NLP	
2022	-	AI/ML	
_		onal Conference on Learning Representations (ICLR) 1R: Association for the Advancement of Artificial Intelligence (AAA	,
_		C: Empirical Methods in Natural Language Proc (EMNLP)	NLP
_		nsactions on Machine Learning Research (TMLR)	AI/ML
_		E: ACL Rolling Review (ARR)	NLP
_		nformation Processing Systems (NeurIPS)	AI/ML
2021		onal Conference on Learning Representations (ICLR)	AI/ML
2021		ion for Computational Linguistics (ACL)	NLP
_		I Methods in Natural Language Proc (EMNLP)	NLP
_	-	nformation Processing Systems (NeurIPS)	AI/ML
		ling Review (ARR)	NLP
2020		ion for Computational Linguistics (ACL)	NLP NLP
		nformation Processing Systems (NeurIPS)	AI/ML
_		ific chapter of the Association for Computational Linguistics (AAC	,
-			NLP NLP
2019		ion for Computational Linguistics (ACL)	NLP NLP
2018 2016		onal Conference on Computational Linguistics nce on Lexical and Computational Semantics (*SEM)	NLP NLP
	Review		
NLP			2021
INLF	ARR ACL	Association for Computational Linguistics Rolling Review Association for Computational Linguistics	2017, 2018
	CL	Computational Linguistics Journal	2017, 2018 2017 – 2022
	CoLing	International Conference on Computational Linguistics	2017 – 2022
	CoNLL	Conference on Computational Natural Language Learning	2016 – 2018
	EACL	European Chapter of the Association for Computational Linguistics	2010 – 2010
		Empirical Methods in Natural Language Processing	2014, 17, 20 2013 – 2020
	EWINLP		
	LICNID	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
	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>	2019 – 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 Syste	
	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
	ICMI	International Conference on Machine Learning	2010

	IJCAI	International Joint Conference on Artificial Intelligence	2019
	NeurIPS	Neural Information Processing Systems	2018 – 2019
CV	CVPR	Computer Vision and Pattern Recognition	2020, 2023
	Organ	ization (Workshops and Conference)	
2022		op Embodied Al Workshop – Challenge Organizer er Vision and Pattern Recognition	
2021	Worksho	op Embodied AI Workshop – Challenge Organizer er Vision and Pattern Recognition	
2020	Worksho	op Embodied Vision, Actions & Language Workshop n Conference on Computer Vision	
_	Worksho NeurIPS	op Workshop on Dataset Curation and Security	
2019		op Spatial Language Understanding and Grounded communication for a merican Chapter of the Association for Computational Linguistics	Robotics
2018		nce Social Media Chair merican Chapter of the Association for Computational Linguistics	
-		op Generalization in the Age of Deep Learning merican Chapter of the Association for Computational Linguistics	
_		op Wordplay: Reinformcent and Language Learning in Text-Based Gan	nes NeurIPS
2017		nce Student Scholarship Chair and Student Volunteer Coordinator on Empirical Methods in Natural Language Processing	
-		op Language Grounding for Robotics use of the Association for Computational Linguistics	
	Invitat	ions and Talks	
2024	Talking	to Robots University Pennsylvania	
	Everythi	ing Fails, Everything is Ambiguous RSS Social Intelligence Worksho	р
		ke This, and Don't Wake the Baby RSS Task Specification Worksh	ор
	Univers	sity of Maryland, College Park	
2023		Really Talking to Robots? "Dialogue with Robots" workshop, UPitt	·
		anguage Articulate Robots: Utilizing Language for Robot Learning	•
		ng Instructions and Asking Questions <i>Learning by Asking for Intellig</i> RO-MAN Workshop	ent Robots and
	Followin	g Instructions and Asking Questions Goal Conditioned RL Worksho	p @ NeurIPS
2022	Can we	really connect language to robotics? CoRL Wksp on Language and	1 Robot Learning
	How ma	achines learn language: Useful but wrong? 12th Inter. Wksp on La	nguage Production
	Followin	g Instructions and Asking Questions Univ of Potsdam	
	Univ Ca	ilifornia Santa Barbara NLP	
	Georgia	Tech NLP	
	Microso	ft Research NYC	
	Penn St	tate University	
	Universi	itat Hamburg Crossmodal Learning (CML) summer school	
	Universi	ity of Stuttgart Institute of Natural Language Processing	
	Universi	ity of Pittsburgh NLP	
2021	Univ of	Illinois at Urbana-Champaign NLP	
	Human	Interaction for Robotic Navigation Workshop @ Inter. Conference on C	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
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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