Yonatan Bisk

Assistant Professor of Computer Science

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

	Positions						
2020 –	Assistant Professor Language Technologies Robotics Institute (cour	Institute	Mellon Univers	ity			
2022 –	Visiting Professor M	- /	damental AI Res	earch (FAIF	?) v	v/ Dhru	ıv Batra
2021 –	Consulting Professo	r Micros	oft Research				
2019 –	Visiting Researcher	Microson	ft Research		и	ı/ Jianf	eng Gao
2017 –	Postdoctoral Schola						
	University of Washingto		n Institute for Art	ificial Intellig	gence	w/ Y	ejin Choi
2015 –	Postdoctoral Scholar Information Sciences Institute, University of Southern California w		w/ Dani	el Marcu			
	Education						
2015	PhD in Computer S Thesis: Unsupervised Advisor: Julia Hockenm Committee: Jason Eisn	d Gram r naier	nar Induction v	vith Comb	Urbana-Champaign, inatory Categorial Grar	nmars	
2009	BS in Computer Sci Thesis: The Necessity Neuroevolution Advisor: Risto Miikkula	of Sepa	-	nd Logic W	hen Grounding Language	e using	
	PhD Students						
PhD	Hao Zhu	he/him	Theory of Mind	I	(co-G Neubig)	LTI	2019 –
PhD	Jared Fernandez		Efficiency		(co-E Strubell)	LTI	2020 -
PhD	Vidhi Jain		Language to Co	ontrol	,	RI	2021 -
PhD	Tiffany Min	she/her	Embodiment		(co-R Salakhutdinov)	MLD	2021 –
PhD	Yingshan Chang	she/her	Multimodal Rea	asoning		LTI	2022 –
	Research MS S	tudent	:S				
MLT	Jimin Sun		Embodied Diale	ogue		LTI	2022 -
	Professional Ma	asters	Students				
MRSD	Assistive Robotics f			ickson)			2023
	Abhinav Gupta		he/him	Atĥarva	Pusalkar	he/him	ı
	Praveen Venkatesh Shivam Tripathy		he/him he/him	Shaolin	Kataria	he/him	ı
	Alumni, Interns	, and	Undergradu	ates			
MRSD	Modular Teleop wit	h Auton	omy (*co-Z Er				2022
	Jashkumar Diyora		he/him		Gangopadhyay	she/he	
	Jigar Patel Shivani Sivakumar		he/him she/her	Prakhar	Pradeep	he/him	l.

MCDS	Embodied Navigation Adhokshaja Madhwaraj	and In	teraction	Kushagra	a Mahajan		he/him	2022
	Sai Vishwas Padigi		he/him	Vineeth	•		he/him	
	Malaika Vijay		she/her	Zheng (J	lessica) Zhong		she/her	
MCDS	Embodied Dialogue ar	nd ToM	1					2022
	Xinyue Chen		she/her	Nikhil G	•		he/him	
	Benny Jiang		he/him	Shubhan	n Phal		he/him	
MCDS	Prasoon Varshney Novel Concept Learnin	26	he/him					2022
MCD3	Bharani Ujjaini Kempaia	_	she/her	Linyi Li			she/her	2022
MSAII	Visual Patent Search		sile/ ilei	Lilly! Li			sne/ner	2022
IVISAII	Suchong Dong		she/her	Zhiyuan	Guo		he/him	2022
	Mansi Goyal		she/her	-	endez Simon		she/her	
	Sreenidhi Sundaram		she/her	Leon Va	n Den Berghe		he/him	
MLT	Yingshan Chang si	he/her /	Multimodal Rea	soning		LTI	2020 -	- 2022
MLT	Josh Zhanson h	e/him E	Embodied Visua	l Reps		LTI	2020 -	- 2022
MS	Xiaoyu (Erin) Zhang si	he/her (Collaborative Ro	bots	(co-O Kroemer)	5th	2021 -	- 2022
Ugrad	Feiyu (Gavin) Zhu	١	√ideo Summariz	ration	(co-C Paxton)			2021
Intern	Melanie Sclar	9	Symmetric Theo	ory-of-Mind	(co-G Neubig)			2021
Intern	Blessing Bassey	7	TextVQA					2021
	Journal Publication	ons						
1.	The Return of Lexical	Depen	dencies: Neur	al Lexicaliz	ed PCFGs			2020
	Hao Zhu, <u>Yonatan Bisk</u> , G							
	Transactions of the Associ	iation fo	r Computational	Linguistics				
2.	An HDP Model for Inc	_	Combinatory	Categorial	Grammars			2013
	Yonatan Bisk, Julia Hocke		<i>C</i>					
	Transactions of the Associ	iation fo	r Computational	Linguistics				
	Conference Public	cation	26					
3.	Computational Langua				Mind			2023
	Andy Liu, Hao Zhu, Emmy The Eleventh Internationa	-		_	rions			
4.	Don't Copy the Teach					المورية		2022
т.	So Yeon Min, Hao Zhu, R				ili Ellibodica Dia	llogue	•	2022
	Conference on Empirical N	Лethods	in Natural Langu	uage Process	ing			
5.	EvEntS ReaLM: Event					s		2022
	Evangelia Spiliopoulou, Ar		-		•			
	Conference on Empirical N		_	_	_			
6.	On Advances in Text		tion from Imag	ges Beyond	l Captioning: A C	ase S	tudy	2022
	in Self-Rationalization Shruti Palaskar, Akshita B		onatan Bisk. Flo	rian Metze.	Alan W Black. Ana N	Maraso	vic	
	Findings of the Conference							
7.	Transformers are Adap	otable ⁻	Task Planners					2022
	Vidhi Jain, Yixin Lin, Eric		ander, <u>Yonatan B</u>	lisk, Akshara	Rai			
	Conference on Robot Lear	ning						
8.	Symmetric Machine T							2022
	Melanie Sclar, Graham Ne 39th International Confere	_		.				
Ω	A Framework for Learn		_		avtually Heaful Inf	orma	tion	2022
9.	from Humans	ining to	Request RICH	and Conte	satuany Oseiui IIII	UHIII	LIUII	2022
	Khanh Nguyen, <u>Yonatan E</u>							
	39th International Confere		_					
10.	Simulated Language L			ınicative G	oals and Linguisti	c Inpi	ut	2022
	Hao Zhu, <u>Yonatan Bisk</u> , G Annual Meeting of the Co			Oral)				
	, amaar weeting or the Co	םייינועכ כ	chemice Society (orui)				

11.	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
12.	KAT: A Knowledge Augmented Transformer for Vision-and-Language Liangke Gui, Borui Wang, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	2022
13.	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
14.	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
15.	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
16.	Language Grounding with 3D Objects Jesse Thomason, Mohit Shridhar, Yonatan Bisk, Chris Paxton, Luke Zettlemoyer Conference on Robot Learning	2021
17.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao International Conference on Computer Vision	2021
18.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk The Thirty-eighth International Conference on Machine Learning	2021
19.	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black Findings of The 2021 Conference of the Association for Computational Linguistics	2021
20.	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
21.	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
22.	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
23.	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
24.	Experience Grounds Language Yonatan Bisk, Ari Holtzman, Jesse Thomason, Jacob Andreas, Yoshua Bengio, Joyce Chai, Mirella Lapata, Angeliki Lazaridou, Jonathan May, Aleksandr Nisnevich, Nicolas Pinto, Joseph Turian Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2020
25.	Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral) 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

26.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday	2020
	Tasks Mohit Shridhar, Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> , Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox	
	The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	
27.	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
28.	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
29.	Conference on Empirical Methods in Natural Language Processing and 9th International 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 Naural Information Researcing Systems	2019
	Thirty-third Conference on Neural Information Processing Systems	2010
30.	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
31.	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, <u>Yonatan Bisk</u> , Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox	2019
	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	
32.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi Association for Computational Linguistics	2019
33.	From Recognition to Cognition: Visual Commonsense Reasoning Rowan Zellers, Yonatan Bisk, Ali Farhadi, Yejin Choi The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (Oral)	2019
34.	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 (CVPR) (Oral)	
35.	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
36.	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	2019
	Linguistics	
37.	Benchmarking Hierarchical Script Knowledge	2019
	Yonatan Bisk, Jan Buys, Karl Pichotta, Yejin Choi Annual Conference of the North American Chapter of the Association for Computational Linguistics (Oral)	
38.	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)	
39.	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, Yonatan Bisk, Roy Schwartz, Yejin Choi Conference on Empirical Methods in Natural Language Processing (EMNLP) (Oral)	2018
40.	Synthetic and Natural Noise Both Break Neural Machine Translation Yonatan Belinkov, Yonatan Bisk	2018
	6th International Conference on Learning Representations (Oral)	2016
41.	Learning Interpretable Spatial Operations in a Rich 3D Blocks World Yonatan Bisk, Kevin Shih, Yejin Choi, Daniel Marcu Thirty-Second Conference on Artificial Intelligence (AAAI-18)	2018

42.	Natural Language Inference from Multiple Premises Alice Lai, Yonatan Bisk, Julia Hockenmaier Eighth International Joint Conference on Natural Language Processing (Oral)	2017
43.	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)	
44.	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	
45.	Computational Linguistics (Short Papers) (Oral) Evaluating Induced CCG Parsers on Grounded Semantic Parsing	2016
	<u>Yonatan Bisk,</u> Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman	2010
	2016 Conference on Empirical Methods in Natural Language Processing	
46.	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar	2015
	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)	
47.	(Oral) Labeled Grammar Induction with Minimal Supervision	2015
	Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier	
	53rd Annual Meeting of the Association for Computational Linguistics and the 7th	
48.	International Joint Conference on Natural Language Processing (Volume 2: Short Papers) Simple Robust Grammar Induction with Combinatory Categorial Grammar	2012
10.	Yonatan Bisk, Julia Hockenmaier	2012
	Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	
49.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han	2012
	21st ACM international conference on Information and knowledge management (CIKM	
50.	2012) 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	
51.	MAEA: Multimodal Attribution for Embodied AI	2022
	Vidhi Jain, Jayant Sravan Tamarapalli, Sahiti Yerramilli, <u>Yonatan Bisk</u> Progress and Challenges in Building Trustworthy Embodied AI at NeurIPS 2022	
52.	Tackling AlfWorld with Action Attention and Common Sense from Language	2022
32.	Models	2022
	Yue Wu, So Yeon Min, Yonatan Bisk, Ruslan Salakhutdinov, Shrimai Prabhumoye	
53.	Language and Reinforcement Learning Workshop at NeurIPS 2022 Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language	2022
33.	Models	2022
	Tejas Srinivasan, <u>Yonatan Bisk</u>	
	4th Workshop on Gender Bias in Natural Language Processing	2021
54.	KB-VLP: Knowledge Based Vision and Language Pretraining Kezhen Chen, Qiuyuan Huang, Yonatan Bisk, Daniel McDuff, Jianfeng Gao	2021
	ICML21 Workshop on Self-Supervised Learning	
55.	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	
56.	Inducing Grammars with and for Neural Machine Translation	2018
	Ke Tran, Yonatan Bisk	
	2nd Workshop on Neural Machine Translation	

57.	Bridging HMMs and RNNs through Architectural Transformations Jan Buys, <u>Yonatan Bisk</u> , Yejin Choi 32nd Conference on Neural Information Processing Systems (NIPS 2018), IRASL workshop		2018
58.	Towards a Dataset for Human Computer Communication via Grou Acquisition Yonatan Bisk, Daniel Marcu, William Wong AAAI 2016 Workshop on Symbiotic Cognitive Systems	nded Language	2016
59.	. Unsupervised Neural Hidden Markov Models Ke Tran, <u>Yonatan Bisk</u> , Ashish Vaswani, Daniel Marcu, Kevin Knight Workshop on Structured Prediction for NLP (Oral)		2016
60.	Induction of Linguistic Structure with Combinatory Categorial Grange Yonatan Bisk, Julia Hockenmaier NAACL HLT Workshop on Induction of Linguistic Structure	mmars	2012
	Tech Reports		
61.	Object Goal Navigation with End-to-End Self-Supervision So Yeon Min, Yao-Hung Hubert Tsai, Wei Ding, Ali Farhadi, Ruslan Salakhutd Yonatan Bisk, Jian Zhang ArXiv		2022
62.	Retrospectives on the Embodied Al Workshop Matt Deitke, Dhruv Batra, Yonatan Bisk, Tommaso Campari, Angel X. Chang, Singh Chaplot, Changan Chen, Claudia Pérez D'Arpino, Kiana Ehsani, Ali Farh Anthony Francis, Chuang Gan, Kristen Grauman, David Hall, Winson Han, Un Aniruddha Kembhavi, Jacob Krantz, Stefan Lee, Chengshu Li, Sagnik Majumd Maksymets, Roberto Martín-Martín, Roozbeh Mottaghi, Sonia Raychaudhuri, I Silvio Savarese, Manolis Savva, Mohit Shridhar, Niko Sünderhauf, Andrew Szot Joshua B. Tenenbaum, Jesse Thomason, Alexander Toshev, Joanne Truong, Lu Wu ArXiv	, Devendra nadi, Li Fei-Fei, nat Jain, er, Oleksandr Mike Roberts, t, Ben Talbot,	2022
63.	Training Vision-Language Transformers from Captions Alone Liangke Gui, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao ArXiv		2022
64.	. Multi-View Learning for Vision-and-Language Navigation Qiaolin Xia, Xiujun Li, Chunyuan Li, Yonatan Bisk, Zhifang Sui, Jianfeng Gao, A. Smith ArXiv		2020
65.	FIND: Identifying Functionally and Structurally Important Features Sequences with Deep Neural Networks Ranjani Murali, James Hemp, Victoria Orphan, Yonatan Bisk bioRxiv	s in Protein	2019
66.	. CHALET: Cornell House Agent Learning Environment Claudia Yan, Dipendra Misra, Andrew Bennett, Aaron Walsman, Yonatan Bisk ArXiv Preprint 1801.07357		2018
67.	Unsupervised Grammar Induction with Combinatory Categorial Gra Yonatan Bisk University of Illinois at Urbana-Champaign	ammars	2015
	Thesis Committees		
_	- PhD <i>Nicholas Botzer</i> Tin	n Weninger, Notre D	ame
_	- PhD Kaixin Ma	Eric Nyberg, C	
_	- PhD Dylan Ebert	Ellie Pavlick, Br	own
2022	2 PhD Shikib Mehri	Maxine Eskenazi , C	MU
2022	2 PhD Shruti Palaskar Alan Black	and Florian Metze, C	MU
2022	PhD Evangelia Spiliopoulou	Ed Hovy, C	MU
2022	3 3 8 7	Ed Hovy, C	MU
2022	2 PhD Volkan Cirik Louis-Philippe Morency and Taylo	r Berg-Kirkpatrick, C	MU

2022	MLT Aishwarya Jadhav	Katia Sycara, CMU	
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		
2021	11-777 MultiModal Machine Learning	# Students: 42, SP	
2021	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 31, FA	
2022	11-777 MultiModal Machine Learning	# Students: 94, SP	
2022	11-767 On-Device Machine Learning	Co-Emma Strubell # Students: 42, FA	
	Divorcity and Inclusion		
	Diversity and Inclusion		
2022	NAACL 2022 DEI Co-Chair		
2021	Restructuring of LTI PhD Admissions,	ongoing	
2020	LTI DEI Committee,	2yrs	
2019	CrashCourse AI Educational YouTube series targeted at Jabril Ashe. Co-Written with Lana Yarosh and Tim Weni	•	
2018	ACM Council on Diversity & Inclusion Investigating a	· ·	
	ACM on behalf of underrepresented groups.,	1yr	
_	Grace Hopper PC member Review submissions to Al T	Technical Track, 1yr	
2016	NCWIT Collegiate Award Review applications for the Information Technology's Collegiate Award honoring collegiate		
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- 2yrs	-Champaign pre-college students, UIUC	
2008	Freshman Research Mentor Mentored students to perform	orm research, UTexas 1yr	
_	First Bytes Helped organize a summer camp for girls int	•	
_	Co-Founded Breakfast Bytes Professor talks for pre-college students, UTexas 1yr		
_	CS Roadshow CS presentations at Austin middle and high schools, UTexas 1yr		
	Organization (Markshans and Conforms	٥)	
	Organization (Workshops and Conference	<i>'</i>	
2022	Workshop <i>Embodied AI Workshop – Challenge Organize</i> Computer Vision and Pattern Recognition	er	
2021	Workshop <i>Embodied Al Workshop</i> – <i>Challenge Organize</i> Computer Vision and Pattern Recognition	er	
2020	Workshop Embodied Vision, Actions & Language Works	shop	
_0_0	European Conference on Computer Vision		
-	Workshop <i>Workshop on Dataset Curation and Security</i> NeurIPS		
2019	Workshop <i>Spatial Language Understanding and Grounde</i> North American Chapter of the Association for Computation		
2018	Conference Social Media Chair	<u> </u>	
	North American Chapter of the Association for Computation	tional Linguistics	
-	Workshop <i>Generalization in the Age of Deep Learning</i> North American Chapter of the Association for Computation	tional Linguistics	

- Workshop Wordplay: Reinformcent and Language Learning in Text-Based Games NeurIPS

- Conference Student Scholarship Chair and Student Volunteer Coordinator Conference on Empirical Methods in Natural Language Processing
 - Workshop Language Grounding for Robotics Conference of the Association for Computational Linguistics

Area Chair / Action Editor

- **International Conference on Learning Representations** 2022
 - Association for the Advancement of Artificial Intelligence Senior Meta-Reviewer
 - Empirical Methods in Natural Language Proc Senior AC: Speech, Vision, Robotics, Multimodal Grounding
 - Transactions on Machine Learning Research Action Editor
 - Senior AE: ACL Rolling Review
 - **Neural Information Processing Systems (NeurIPS)**
- 2021 International Conference on Learning Representations
 - Association for Computational Linguistics Machine Learning
 - Empirical Methods in Natural Language Proc Speech, Vision, Robotics, Multimodal Grounding
 - **Neural Information Processing Systems (NeurIPS)**
 - **ACL Rolling Review**
- 2020 Association for Computational Linguistics Language Grounding to Vision, Robotics and Beyond
 - **Neural Information Processing Systems (NeurIPS)**
 - Asia-Pacific chapter of the Association for Computational Linguistics
- Association for Computational Linguistics Vision, Robotics, Multimodal Grounding, and 2019 Speech
- **International Conference on Computational Linguistics** 2018
- Conference on Lexical and Computational Semantics (*SEM) Sem. Parsing and Role Labeling

Reviewer

NLP	ARR	Association for Computational Linguistics Rolling Review	2021
	ACL	Association for Computational Linguistics	2017, 2018
	CL	Computational Linguistics Journal	2017 – 2022
	CoLing	International Conference on Computational Linguistics	2016
	CoNLL	Conference on Computational Natural Language Learning	2016 – 2018
	EACL	European Chapter of the Association for Computational Linguistics	2014, 17, 20
	EMNLP	Empirical Methods in Natural Language Processing	2013 – 2020
	IJCNLP	International Joint Conference on Natural Language Processing	2017
	NAACL	N. American Chapter of the Association for Computational Ling	2016 – 2019
	NLE	Natural Language Engineering Journal	2016
	*SEM	Joint Conference on Lexical and Computational Semantics	2020
	TACL	Transactions of the Assoc. for Computational Linguistics	2019
Robo	CoRL	Conference on Robot Learning	2019 – 2021
	AURO	Autonomous Robots	2022
	RSS	Robotics: Science and Systems	2022
	HRI	Human Robot Interaction	2020 – 2023
	ICRA	International Conference on Robotics and Automation	2019,2023
	IJRR	International Journal of Robotics Research	2017
	IROS	IEEE/RSJ International Conference on Intelligent Robots and Systems	2019

	RA-L	IEEE Robotics and Automation Letters	2019
AI/ML	AAAI	Association for the Advancement of Artificial Intelligence	2018, 2021
	ICLR	International Conference on Learning Representations	2019 – 2020
	ICML	International Conference on Machine Learning	2019
	IJCAI	International Joint Conference on Artificial Intelligence	2019
	NeurIPS	Neural Information Processing Systems	2018 - 2019
CV	CVPR	Computer Vision and Pattern Recognition	2020
	Invitati	ions and Talks	
2022	How mad	chines learn language: Useful hut wrong? 12th Inter Wksp on L	anguage Production

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

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 Koc 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 2016 Community Consortium (CCC) Symposium on Computing Research
- Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days 2015
- 2013 Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days