Yonatan Bisk

MSAII Leon Van Den Berghe

Assistant Professor of Computer Science

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

2022

	Positions					
2021 –	Consulting Professor Microsoft Research					
2020 –	Assistant Professor Carnegie Mellon University Language Technologies Institute Robotics Institute (courtesy)					
2019 –	Visiting Researcher <i>M</i>	icrosoft	Research	1	w/ Jiant	eng Gao
2017 –	Postdoctoral Scholar University of Washington	& Allen I	nstitute for Artificial Intelligend	ce	w/ Y	ejin Choi
2015 –	Postdoctoral Scholar					
	Information Sciences Insti	tute, Uni	versity of Southern California		w/ Dani	el Marcu
	Education					
2015		onco Th	a University of Illinois at Urb	ana Champaign		
2015	PhD in Computer Science The University of Illinois at Urbana-Champaign, Thesis: Unsupervised Grammar Induction with Combinatory Categorial Grammars Advisor: Julia Hockenmaier Committee: Jason Eisner, Dan Roth, ChengXiang Zhai					
2009	BS in Computer Science The University of Texas at Austin Turing Scholar, Thesis: The Necessity of Separating Control and Logic When Grounding Language using Neuroevolution Advisor: Risto Miikkulainen Second Reader: Raymond Mooney					
	PhD Students					
PhD	Hao Zhu	he/him	Theory of Mind	(co-G Neubig)	LTI	2019 –
PhD	Jared Fernandez	he/him	Efficiency	(co-E Strubell)	LTI	2020 –
PhD	Vidhi Jain	she/her	Language to Control		RI	2021 –
PhD	Tiffany Min	she/her	Embodiment	(co-R Salakhutdinov)	MLD	2021 –
	Dagage Magtau					
	Research Masters					
MLT	Josh Zhanson		Embodied Visual Reps		LTI	2020 –
MLT	Yingshan Chang		Multimodal Reasoning		LTI	2020 –
MS	Xiaoyu Zhang	she/her	Collaborative Robot Art	(co-O Kroemer)	5th	2021 –
	Professional Masters Students					
MRSD	Jashkumar Diyora	he/him	Modular Teleop with Autonomy (*co-Z Erickson)		RI	2021 -
MRSD	Shruti Gangopadhyay	she/her	Modular Teleop with Autonomy *		RI	2021 -
MRSD	Jigar Patel	he/him	Modular Teleop with Autonomy *		RI	2021 -
MRSD	Prakhar Pradeep	he/him	Modular Teleop with Autonomy *		RI	2021 -
MRSD	Shivani Sivakumar	she/her	Modular Teleop with Autonomy *		RI	2021 -
MSAII	Suchong Dong		Visual Patent Search			2022
MSAII	Zhiyuan Guo		Visual Patent Search			2022
MSAII	Mansi Goyal		Visual Patent Search			2022
MSAII	Marta Mendez Simon	a Mendez Simon Visual Patent Search			2022	
MSAII	Sreenidhi Sundaram Visual Patent Search 202			2022		
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Visual Patent Search

	Alumni, Interns, and Undergraduates			
Ugrad	Feiyu (Gavin) Zhu	Video Summarization	(co-C Paxton)	2021
Intern	Melanie Sclar	Symmetric Theory-of-Mind	(co-G Neubig)	2021
Intern	Blessing Bassey	<i>TextVQA</i>		2021
	Journal Publications			
1.	The Return of Lexical Dependencies: Neural Lexicalized PCFGs Hao Zhu, Yonatan Bisk, Graham Neubig, Transactions of the Association for Computational Linguistics 2020			
2.	An HDP Model for Inducing Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier, Transactions of the Association for Computational Linguistics			
	Conference Publication	S		
3.	FILM: Following Instructions in Language with Modular Methods So Yeon Min, Devendra Singh Chaplot, Pradeep Ravikumar, <u>Yonatan Bisk</u> , Ruslan Salakhutdinov, The Tenth International Conference on Learning Representations			
4.	WebQA: Multihop and Multimodal QA Yingshan Chang, Mridu Narang, Hisami Suzuki, Guihong Cao, Jianfeng Gao, Yonatan Bisk, Conference on Computer Vision and Pattern Recognition			2022
5.	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
6.	Language Grounding with 3D Jesse Thomason, Mohit Shridhar, Conference on Robot Learning		ke Zettlemoyer,	2021
7.	TACo: Token-aware Cascade Contrastive Learning for Video-Text Alignment Jianwei Yang, Yonatan Bisk, Jianfeng Gao, International Conference on Computer Vision			2021
8.	Few-shot Language Coordination by Modeling Theory of Mind Hao Zhu, Graham Neubig, Yonatan Bisk, The Thirty-eighth International Conference on Machine Learning			2021
9.	Grounding 'Grounding' in NLP Khyathi Raghavi Chandu, Yonatan Bisk, Alan W Black, Findings of The 2021 Conference of the Association for Computational Linguistics			2021
10.	An Empirical Study on the Generalization Power of Neural Representations Learned via Visual			
	Guessing Games 2021 Alessandro Suglia, <u>Yonatan Bisk</u> , Ioannis Konstas, Antonio Vergari, Emanuele Bastianelli, Andrea Vanzo, Oliver Lemon,			
	·	•	for Computational Linguistics, (Oral	,
11.	swering Kaixin Ma, Filip Ilievski, Jonathan	Francis, <u>Yonatan Bisk,</u> Eric Nyb	uation in Commonsense Question perg, Alessandro Oltramari,	on An- 2021
	35th AAAI Conference on Artificia	=		2021
12.	ALFWorld: Aligning Text and Mohit Shridhar, Xingdi Yuan, Marc Proceedings of the International C	c-Alexandre Côté, <u>Yonatan Bisk</u>	, Adam Trischler, Matthew Hauskne	2021 cht,
13.	Guessing Games	•	Perceptual Information in Si Emanuele Bastianelli, Andrea Vanzo	2020
	The 28th International Conference	on Computational Linguistics,	(Oral)	
14.	Angeliki Lazaridou, Jonathan May,	e Thomason, Jacob Andreas, Y Aleksandr Nisnevich, Nicolas P	oshua Bengio, Joyce Chai, Mirella into, Joseph Turian, aral Language Processing (EMNLP),	

15.	RMM: A Recursive Mental Model for Dialog Navigation Homero Roman Roman, <u>Yonatan Bisk</u> , Jesse Thomason, Asli Celikyilmaz, Jianfeng Gao, Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing: Findings	2020
16.	ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks Mohit Shridhar, Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> , Winson Han, Roozbeh Mottaghi, Luke Zomoyer, Dieter Fox, The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	2020 ettle-
17.		2020
18.	Robust Navigation with Language Pretraining and Stochastic Sampling Xiujun Li, Chunyuan Li, Qiaolin Xia, Yonatan Bisk, Asli Celikyilmaz, Jianfeng Gao, Noah A. Smith, Yejin Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference Natural Language Processing	
19.	Defending Against Neural Fake News Rowan Zellers, Ari Holtzman, Hannah Rashkin, <u>Yonatan Bisk</u> , Ali Farhadi, Franziska Roesner, Yejin Choi, <i>Thirty-third Conference on Neural Information Processing Systems</i>	2019
20.	Improving Robot Success Detection using Static Object Data Rosario Scalise, Jesse Thomason, Yonatan Bisk, Siddhartha Srinivasa, Proceedings of the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
21.	Early Fusion for Goal Directed Robotic Vision Aaron Walsman, Yonatan Bisk, Saadia Gabriel, Dipendra Misra, Yoav Artzi, Yejin Choi, Dieter Fox, Proceedings of the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems	2019
22.	HellaSwag: Can a Machine Really Finish Your Sentence? Rowan Zellers, Ari Holtzman, Yonatan Bisk, Ali Farhadi, Yejin Choi, Proceedings of the Association for Computational Linguistics	2019
23.	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
24.	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, dhartha Srinivasa, The IEEE Conference on Computer Vision and Pattern Recognition (CVPR), (Oral)	2019 Sid-
25.		2019
26.	Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, <u>Yonatan Bisk</u> , Proceedings of the Annual Conference of the North American Chapter of the Association for Computate Linguistics	2019 ional
27.	Benchmarking Hierarchical Script Knowledge Yonatan Bisk, Jan Buys, Karl Pichotta, Yejin Choi, Proceedings of the Annual Conference of the North American Chapter of the Association for Computate Linguistics, (Oral)	2019 ional
28.	- ,	2019
29.	SWAG: A Large-Scale Adversarial Dataset for Grounded Commonsense Inference Rowan Zellers, <u>Yonatan Bisk</u> , Roy Schwartz, Yejin Choi, Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Language Processing (EMNLP), (Conference on Empirical Methods in Natural Meth	2018 Oral)
30.		2018
31.	- , , , , , , , , , , , , , , , , , , ,	2018
32.		2017

33.	Natural Language Communication with Robots Yonatan Bisk, Deniz Yuret, Daniel Marcu, Proceedings of the 15th Annual Conference of the North American Chapter of the Association for Comp Linguistics, (Oral)	2016 utational
34.	Supertagging with LSTMs Ashish Vaswani, Yonatan Bisk, Kenji Sagae, Ryan Musa, Proceedings of the 15th Annual Conference of the North American Chapter of the Association for Comp Linguistics (Short Papers), (Oral)	2016 utational
35.	Evaluating Induced CCG Parsers on Grounded Semantic Parsing Yonatan Bisk, Siva Reddy, John Blitzer, Julia Hockenmaier, Mark Steedman, Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing	2016
36.	Probing the Linguistic Strengths and Limitations of Unsupervised Grammar Induction Yonatan Bisk, Julia Hockenmaier, Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics and the 7th tional Joint Conference on Natural Language Processing (Volume 1: Long Papers), (Oral)	
37.	Labeled Grammar Induction with Minimal Supervision Yonatan Bisk, Christos Christodoulopoulos, Julia Hockenmaier, Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics and the 7th tional Joint Conference on Natural Language Processing (Volume 2: Short Papers)	2015 Interna-
38.	Simple Robust Grammar Induction with Combinatory Categorial Grammar Yonatan Bisk, Julia Hockenmaier, Proceedings of the Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)	2012
39.	Document-Topic Hierarchies from Document Graphs Tim Weninger, Yonatan Bisk, Jiawei Han, Proceedings of the 21st ACM international conference on Information and knowledge managemen 2012)	2012 t (CIKM
40.	Normal-form parsing for CCGs with generalized composition and type-raising Julia Hockenmaier, Yonatan Bisk, Proceedings of the 23rd International Conference on Computational Linguistics (Coling 2010)	2010
	Workshop Publications	
41.	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
42.	A Benchmark for Structured Procedural Knowledge Extraction from Cooking Videos Frank F. Xu, Lei Ji, Botian Shi, Junyi Du, Graham Neubig, Yonatan Bisk, Nan Duan, Workshop on NLP Beyond Text	2020
43.	Inducing Grammars with and for Neural Machine Translation Ke Tran, Yonatan Bisk, Proceedings of the 2nd Workshop on Neural Machine Translation	2018
44.	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
45.	Towards a Dataset for Human Computer Communication via Grounded Language Acq 2016 Yonatan Bisk, Daniel Marcu, William Wong, Proceedings of the AAAI 2016 Workshop on Symbiotic Cognitive Systems	uisition
46.	Unsupervised Neural Hidden Markov Models Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, Kevin Knight, Proceedings of the Workshop on Structured Prediction for NLP, (Oral)	2016
47.	Induction of Linguistic Structure with Combinatory Categorial Grammars Yonatan Bisk, Julia Hockenmaier, NAACL HLT Workshop on Induction of Linguistic Structure	2012
	Tech Reports	
48.	KAT: A Knowledge Augmented Transformer for Vision-and-Language Liangke Gui, Borui Wang, Qiuyuan Huang, Alex Hauptmann, Yonatan Bisk, Jianfeng Gao,	2021

ArXiv

49.	A Framework for Learning to Request Rich and Contextually Useful Information from Humans 2021			
	Khanh Nguyen, <u>Yonatan Bisk,</u> Hal Daume II ArXiv	l,		
50.	Worst of Both Worlds: Biases Compo Tejas Srinivasan, <u>Yonatan Bisk</u> , <i>ArXiv</i>	und in Pre-trained Vision-and-Language Models 2021		
51.	Multi-View Learning for Vision-and-La Qiaolin Xia, Xiujun Li, Chunyuan Li, <u>Yonata</u> <i>ArXiv</i>	anguage Navigation 2020 an Bisk, Zhifang Sui, Jianfeng Gao, Yejin Choi, Noah A. Smith,		
52.		ructurally Important Features in Protein Sequences with		
	Deep Neural Networks Ranjani Murali, James Hemp, Victoria Orpha bioRxiv	an, <u>Yonatan Bisk,</u>		
53.	CHALET: Cornell House Agent Learn Claudia Yan, Dipendra Misra, Andrew Benne ArXiv Preprint 1801.07357	ing Environment 2018 tt, Aaron Walsman, <u>Yonatan Bisk</u> , Yoav Artzi,		
54.	Unsupervised Grammar Induction with Yonatan Bisk,	Combinatory Categorial Grammars 2015		
	University of Illinois at Urbana-Champaign			
	Thesis Committees			
_	PhD Kaixin Ma	Eric Nyberg, CMU		
_	PhD Dylan Ebert	Ellie Pavlick, Brown		
_	PhD Shikib Mehri	Maxine Eskenazi , CMU		
_	PhD Shruti Palaskar	Alan Black and Florian Metze, CMU		
_	PhD Dheeraj Rajagopal	Ed Hovy, CMU		
_	PhD Evangelia Spiliopoulou	Ed Hovy, CMU		
22	PhD Volkan Cirik	Louis-Philippe Morency and Taylor Berg-Kirkpatrick, CMU		
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: 96, SP		
	Diversity and Inclusion			
2022	NAACL 2022 DEI Co-Chair,	ongoing		
2020	LTI DEI Committee,	ongoing		
2019	CrashCourse AI Educational YouTube s Ashe. Co-Written with Lana Yarosh and	series targeted at high-school age viewers. Hosted by Jabril Tim Weninger, 1yr		
2018	ACM Council on Diversity & Inclusion Investigating and initiating institutional change within ACM on behalf of underrepresented groups., 1yr			
_	Grace Hopper PC member Review sub			
2016	NCWIT Collegiate Award Review app Technology's Collegiate Award honoring of	lications for the National Center for Women & Information college women, ISI 3yrs		
2009		riew applications for the National Center for Women & Infor-		
	mation Technology's Award for Aspiratio in CS, UIUC, ISI	ns in Computing which supports high-school girls interested <i>6yrs</i>		

_	Tech Junket/Women in CS Outreach for local Urbana-Champaign pre-college students, UIUC
2008	Freshman Research Mentor Mentored students to perform research, UTexas
_	First Bytes Helped organize a summer camp for girls interested in CS, UTexas
_	Co-Founded Breakfast Bytes Professor talks for pre-college students, UTexas
-	CS Roadshow CS presentations at Austin middle and high schools, UTexas
	Funding and Awards
2021	NSF EAGER
	Co-PI Graham Neubig, Dan Yurovsky, Aug 2021 – Dec 2022, \$300K
_	LTI Junior Chair, Aug 2021 – Aug 2023
2020	Facebook RFP Learning Dynamic Multimodal Inference for On-Device VQA Co-PI Emma Strubell, Sept 2020 – May 2021, \$75K
2020	Google exploreCSR Broad & Inclusive Language Technology (BILT) @ CMU LTI Co-PI Emma Strubell, Graham Neubig, Summer 2021, \$15k
	Organization (Workshops and Conference)
2022	Workshop Embodied Al Workshop – Challenge Organizer Computer Vision and Pattern Recognition
2021	·
2021	Workshop Embodied AI 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 NeurlPS
2019	Workshop Spatial Language Understanding and Grounded communication for Robotics North American Chapter of the Association for Computational Linguistics
2018	Conference Social Media Chair
	North American Chapter of the Association for Computational Linguistics
_	Workshop Generalization in the Age of Deep Learning
	North American Chapter of the Association for Computational Linguistics
_	Workshop Wordplay: Reinformcent and Language Learning in Text-Based Games NeurIPS
2017	Conference Student Scholarship Chair and Student Volunteer Coordinator Conference on Empirical Methods in Natural Language Processing
-	Workshop Language Grounding for Robotics Conference of the Association for Computational Linguistics
	Area Chair / Action Editor
2022	International Conference on Learning Representations

2yrs 1yr

> 1yr 1yr

- - Association for the Advancement of Artificial Intelligence Senior Meta-Reviewer
 - Transactions on Machine Learning Research Action Editor
 - ACL Rolling Review
- 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 Speech 2019

2018 International Conference on Computational Linguistics

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

Reviewer
Reviewer

NLP	ARR	Association for Computational Linguistics Rolling Review	2021
	ACL	Association for Computational Linguistics	2017, 2018
	CL	Computational Linguistics Journal	2017, standing
	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, 2017, 2020
	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
	RSS	Robotics: Science and Systems	2022
	HRI	Human Robot Interaction	2020 – 2022
	ICRA	International Conference on Robotics and Automation	2019
	IJRR	International Journal of Robotics Research	2017
	IROS	IEEE/RSJ International Conference on Intelligent Robots and System	ns <i>2019</i>
	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

Invitations and Talks

2022 Following Instructions and Asking Questions $UCSB\ NLP$

2021 Following Instructions and Asking Questions UIUC NLP

WebQA: Multihop and Multimodal QA PNNL Mega-Al Seminar

Following Instructions and Asking Questions *Human Interaction for Robotic Navigation Workshop @ ICCV*

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 PNNL

Guest Lecture: Embodiment for NLP UPenn

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

- Invited Talk University of Notre Dame NLP Seminar
 Invited Talk University of California, Irvine AI/ML Seminar
 Invited Talk Pacific Northwest National Laboratory
 Invited Poster The Impact of Computing in Our Physical World session of the CRA's Computing Community Consortium (CCC) Symposium on Computing Research
- Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days
 Colloquium Talk Toyota Tech. Inst. of Chicago's Midwest Speech & Language Days