

MALIHE ALIKHANI

www.malihealikhani.com

RESEARCH INTERESTS

I work towards designing inclusive and equitable AI systems, developing technologies that can communicate and collaborate with diverse populations, particularly those from underserved communities, for critical applications such as education, health, and social justice. My work also emphasizes democratizing AI, ensuring that these technologies are accessible and beneficial to all, while maintaining a strong focus on AI safety to promote responsible and ethical deployment that mitigates risks and upholds human rights.

EMPLOYMENT

Science and Technology Congressional AI Fellow August 2024–Now
American Association for the Advancement of Science

Assistant Professor, Khoury College of Computer Science Fall 2023–Now
Northeastern University

Assistant Professor, Department of Computer Science Fall 2020–Fall 2023
University of Pittsburgh

Affiliations: Northeastern Ethics Institute, Northeastern Experiential AI Institute, CMU Center for Applied Research on Targeted Hate

EDUCATION

Ph.D. Computer Science 2015–2020
Rutgers University
Dissertation Title: Multimodal Communication: Coherence, Common Ground and Coordination
Dissertation committee: Matthew Stone (chair), Ani Nenkova, Gerard de Melo, Kostas Bekris

Graduate Certificate, Cognitive Science 2017–2019
Rutgers University
Thesis Project: Semantic Memory and Vague Categories in Communication

MSc Computer Science 2015–2017
Rutgers University

MSc Mathematics 2012–2014
University of Hawaii-Manoa
Thesis Title: Pricing Complexity Options: Optimal Stopping for Success Runs
Advisor: Bjorn Kjos-Hanssen

B.S. Mathematics

2008–2012

Iran University of Science and Technology

Thesis Project: Fixed Point Theorems for Monotone Mappings in Ordered Banach Spaces

POLICY AND LEGISLATIVE CONTRIBUTIONS

Legislative Work on the Defiance Act: Drafted, edited, and negotiated key provisions of legislation regulating generative AI use, emphasizing ethical guidelines, stakeholder input, and enforceable measures.

Oversight Leadership: Directed an oversight initiative on the fairness of AI applications in healthcare, providing critical analysis and recommendations to ensure ethical practices.

Congressional Support: Staffed the Congresswoman on several occasions, preparing briefing materials and advising on AI and technology-related matters. Contributed to co-sponsoring key legislation, including the Invest in Women’s Health Act, the Patient Act of 2024, the Create AI Act, the AI Development Practices Act, the AI Guard Challenges Act of 2024, the AI Advancement and Responsibility Act, and the AI Plan Act.

AI Taskforce Report Contributions: Contributed to financial and government applications of AI, as well as healthcare, housing, and other critical societal areas, ensuring the integration of equitable and transparent AI policies.

Stakeholder Consultation and Advocacy: Conducted a comparison of EU and US AI regulations, focusing on the implications for worker protections and industry standards. Worked with unions to address concerns around algorithmic wage theft, workplace surveillance, and data privacy, incorporating their perspectives into policy recommendations.

GRANTS AND SPONSORSHIP

PI, NSF grant for Designing Educational Tools for Deaf Students

\$500,000

June 2024

Co-PI, DARPA grant for Modeling Friction in Human-AI Collaboration

\$1,000,000

February 2024

Co-I, CDC grant for Modeling the Virality of Vaccine Misinformation in Minority Communities

\$1,000,000

January 2024

PI, Alexa Prize TaskBot Challenge

Amazon Inc, \$500,000

January 2023

PI, NSF grant for hosting a workshop on multimodal interactive systems

\$40,000

January 2023

PI, The Grate Moderators-Civil Sanctuary,
DARPA, \$1,000,000 November 2021–May 2023

Co-PI, Automatic Multimodal Affect Detection for Research and Clinical Use,
NIH, \$1,500,000 (PI: Jeff Cohn) September 2020–May 2024

PI, Google Teaching Award for Diversity in AI Curriculum October 2021
\$10,000

PI, Google Explore CSR February 2020
\$20,000

PI, Pitt Momentum Teaming Grant February 2021–January 2022
Developing Multimodal Technology to Improve Deaf Students Access to STEM Education,
\$50,000

PI, PittCyber Teaming Grant February 2021
Modeling the Effect of Disinformation on COVID-19 Vaccination Discourse, \$10,000

PI, PittCyber Seed Grant February 2021
Modeling Coordination in Political Discourse, \$5,000

PI, Google ExploreCSR February 2021
\$20,000

SELECTED PUBLICATIONS

Books

- Statistics and Probability Common Core, Malihe Alikhani, Cliff Notes, 2015.

Book Chapters

- Sign Machine Translation, Malihe Alikhani, Julie A. Hochgesang, Springer. Editor: Andy Way
- Coherence and Collaboration, in Coherence in Discourse (to appear), Matthew Stone, Malihe Alikhani, Baber Khalid, Springer. Editor: Gerhard Preyer/

Selected Peer-reviewed Publications

1. Evaluating Theory of (an uncertain) Mind: Predicting the Uncertain Beliefs of Others in Conversation Forecasting, Anthony Sicilia and Malihe Alikhani, NAACL 2025.
2. Accounting for Sycophancy in Language Model Uncertainty Estimation, Anthony Sicilia, Mert Inan, Malihe Alikhani, NAACL 2025.
3. Coherence-Driven Multimodal Safety Dialogue with Active Learning for Embodied Agents, Sabit Hassan and Malihe Alikhani, AAMAS 2025.
4. Contextual ASR Error Handling with LLM Augmentation for Goal-Oriented Conversational AI, Yuya Asano, Anthony Sicilia, Malihe Alikhani, COLING Industry Track 2025.
5. An Active Learning Framework for Inclusive Generation by Large Language Models, Sabit Hassan, Anthony Sicilia, Malihe Alikhani, COLING 2025.
6. Active Learning for Robust and Representative LLM Generation in Safety-Critical Scenarios, Sabit Hassan, Anthony Sicilia, Malihe Alikhani, Workshop on Customizable NLP at EMNLP 2024. **(Outstanding Paper Award)**
7. Eliciting Uncertainty in Chain-of-Thought to Mitigate Bias against Forecasting Harmful User Behaviors. Anthony Sicilia, Malihe Alikhani, 3rd Workshop on NLP for Positive Impact at EMNLP 2024. **(Outstanding Paper Award)**
8. Deal, or no deal (or who knows)? Forecasting Uncertainty in Conversations using Large Language Models, Anthony Sicilia, Hyunwoo Kim, Khyathi Raghavi Chandu, Malihe Alikhani, Jack Hessel, The 62nd Annual Meeting of the Association for Computational Linguistics (ACL) 2024.
9. Generating Signed Language Instructions in Large-Scale Dialogue Systems, Mert Inan, Katherine Atwell, Anthony Sicilia, Lorna Quandt, Malihe Alikhani, 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics.
10. HumBEL: A Human-in-the-Loop Approach for Evaluating Demographic Factors of Language Models in Human-Machine Conversations, Anthony Sicilia, Malihe ALikhani, The 18th Conference of the European Chapter of the Association for Computational Linguistics 2024.
11. A corpus of Persian literary text, Shahab Raji, Malihe Alikhani, Gerard de Melo, Matthew Stone, Journal of Language Resources and Evaluation, 2024.

12. Combining Discourse Coherence with Large Language Models for More Inclusive, Equitable, and Robust Task-Oriented Dialogue, Katherine Atwell, Mert Inan, Anthony B Sicilia, Malihe Alikhani, LREC-COLING 2024 - The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation.
13. Seeing Eye-to-Eye: Cross-Modal Coherence Relations Inform Eye-gaze Patterns During Comprehension and Production, Mert Inan, Malihe Alikhani, LREC-COLING 2024 - The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation.
14. Soda: Million-scale dialogue distillation with social commonsense contextualization, Hyunwoo Kim, Jack Hessel, Liwei Jiang, Ximing Lu, Youngjae Yu, Pei Zhou, Ronan Le Bras, Malihe Alikhani, Gunhee Kim, Maarten Sap, Yejin Choi, EMNLP 2023. (**Outstanding Paper Award**)
15. Learning Multimodal Cues of Children’s Uncertainty, Qi Cheng, Mert Inan, Rahma Mbarki, Grace Grmek, Theresa Choi, Yiming Sun, Kimele Persaud, Jenny Wang, Malihe Alikhani, Annual Meeting of the Special Interest Group on Discourse and Dialogue (Sigdial) 2023.
16. Image–text coherence and its implications for multimodal AI, Malihe Alikhani, Baber Khalid, Matthew Stone, Frontiers in Artificial Intelligence, 2023.
17. DisCGen: A Framework for Discourse-Informed Counterspeech Generation, Sabit Hassan, Malihe Alikhani, IJCNLP-AAACL 2023 : The 13th International Joint Conference on Natural Language Processing and the 3rd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics.
18. Learning To Generate Equitable Text in Dialogue from Biased Training Data, Anthony Sicilia, Malihe Alikhani, The 61st Annual Meeting of the Association for Computational Linguistics 2023.
19. D-CALM: A Dynamic Clustering-based Active Learning Approach for Mitigating Bias, Sabit Hassan, Malihe Alikhani, The 61st Annual Meeting of the Association for Computational Linguistics, 2023.
20. Multilingual Content Moderation and Challenges: A Case Study of Reddit, Meng Ye, Karan Sikka, Katherine Atwell, Sabit Hassan, Ajay Divakaran and Malihe Alikhani, The 17th Conference of the European Chapter of the Association for Computational Linguistics, 2023.

21. How people talk about each other: Modeling Generalized Intergroup Bias and Emotion, Venkata Subrahmanyam Govindarajan, Katherine Atwell, Barea Sinno, Malihe Alikhani, David I. Beaver and Junyi Jessy Li, The 17th Conference of the European Chapter of the Association for Computational Linguistics, 2023.
22. Modeling Non-Cooperative Dialogue: Theoretical and Empirical Insights, Anthony Sicilia, Tristian Maidment, Pat Healy, Malihe Alikhani, Transactions of the Association for Computational Linguistics (TACL), 2022.
23. LEATHER: A Framework for Learning to Generate Human-like Text in Dialogue, Anthony Sicilia, Malihe Alikhani, The 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing, 2022.
24. APPDIA: A Discourse-aware Transformer-based Style Transfer Model for Offensive Social Media Conversations, Kate Atwell, Sabit Hassan, Malihe Alikhani, The 29th International Conference on Computational Linguistics, 2022.
25. The Role of Context and Uncertainty in Shallow Discourse Parsing, Kate Atwell, Jessy Li, Malihe Alikhani, The 29th International Conference on Computational Linguistics, 2022.
26. PINEAPPLE: Personifying INanimate Entities by Acquiring Parallel Personification data for Learning Enhanced generation Authors: Sedrick Scott Keh, Kevin Lu, Varun Gangal, Steven Y. Feng, Harsh Jhamtani, Malihe Alikhani and Eduard Hovy.
27. Zero-shot Cross-Linguistic Learning of Event Semantics, Malihe Alikhani, Thomas Kober, Bashar Alhafni, Yue Chen, Mert Inan, Elizabeth Nielsen, Shahab Raji, Mark Steedman, Matthew Stone, 15th International Natural Language Generation Conference (INLG) 2022.
28. Getting to YES: The Evolution of the University of Pittsburgh Medical Center Hillman Cancer Center Youth Enjoy Science (YES) Academy, Joseph C. Ayoob , Richard D. Boyce , Solomon Livshits , Tullia C. Bruno, Greg M. Delgoffe, Deborah L. Galson, Andrew W. Duncan, Jennifer M. Atkinson, Steffi Oesterreich, Malihe Alikhani, Tobias A. Baker, Sheila Pratt, Kenneth J. DeHaan, Yuanyuan Che, David N. Boone, Journal of STEM Education, 2022.
29. Political Ideology and Polarization: A Multi-dimensional Approach, Barea Sinno, Bernardo Oviedo, Katherine Atwell, Malihe Alikhani, and Junyi Jessy Li, In Proceedings of the 2022

Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, 2022.

30. PAC-Bayesian Domain Adaptation Bounds for Multiclass Learners, Anthony Sicilia, Katherine Atwell, Malihe Alikhani, Seong Jae Hwang, The 38th Conference on Uncertainty in Artificial Intelligence, 2022. **(Best Paper Award)**
31. How to Ask for Donations? Learning User-Specific Persuasive Dialogue Policies through Online Interactions, Nhat Tran, Malihe Alikhani, Diane Litman, Proceedings of the 30th ACM Conference on User Modeling, Adaptation and Personalization, 2022. **(Best Paper Award)**
32. Grounding Novel Utterances in Visual Dialogue, Mert Inan, Malihe Alikhani, SemDial 2022.
33. The Change that Matters in Discourse Parsing: Estimating the Impact of Domain Shift on Parser Error, Katherine Atwell, Anthony Sicilia, Seong Jae Hwang, Malihe Alikhani, ACL 2022.
34. Modeling Intensification for Sign Language Generation: A Computational Approach, Mert Inan, Yang Zhong, Sabit Hassan, Lorna Quandt, Malihe Alikhani, ACL 2022.
35. Cross-Modal Coherence for Text-to-Image Retrieval, Malihe Alikhani, Fangda Han, Ha-reesh Ravi, Mubbasir Kapadia, Vladimir Pavlovic, Matthew Stone, AAAI 2022.
36. Retrieve, Caption, Generate: Visual Grounding for Enhancing Commonsense in Text Generation Models, Steven Y. Feng, Kevin Lu, Zhuofu Tao, Malihe Alikhani, Teruko Mitamura, Eduard Hovy, Varun Gangal, AAAI 2022.
37. NAREOR: The Narrative Reordering Problem, Varun Gangal, Steven Y. Feng, Malihe Alikhani, Teruko Mitamura, Eduard Hovy, AAAI 2022.
38. Words of Wisdom: Representational Harms in Learning from AI Communication, Amanda Buddemeyer, Erin Walker, Malihe Alikhani, Workshop on Designing Learning Technologies for Equality, Diversity and Inclusion, 2021.
39. Towards Designing Enthusiastic AI Agents, Carla Viegas and Malihe Alikhani, In Proceedings of the 21th ACM International Conference on Intelligent Virtual Agents.

40. COSMic: A Coherence-Aware Generation Metric for Image Descriptions, Mert İnan, Piyush Sharma, Baber Khalid, Radu Soricut, Matthew Stone, Malihe Alikhani, In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing.
41. Singed Conference Resolution, Kayo Yin, Kenny DeHaan, Malihe Alikhani, In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing.
42. Examining Covert Gender Bias: A Case Study in Turkish and English Machine Translation Models, Chloe Ciora, Nur Iren, Malihe Alikhani, In Proceedings of the 14th International Conference on Natural Language Generation, 2021. **(Best Short Paper Award)**
43. Including Enthusiasm in Human–AI Communication, Carla Viegas, Malihe Alikhani, 21st ACM International Conference on Intelligent Virtual Agents, 2021. **(Honorable Mention)**
44. Including Signed Languages in Natural Language Processing, Kayo Yin, Amit Moryossef, Julie Hochgesang, Yoav Goldberg, Malihe Alikhani, In Proceedings of the Association for Computational Linguistics: ACL-IJCNLP 2021. **(Best Theme Paper Award)**
45. Entheos: A Multimodal Dataset for Studying Enthusiasm, Carla Viegas, Malihe Alikhani, In Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021.
46. Where Are We in Discourse Relation Recognition?, Kate Atwell, Jessy Li, Malihe Alikhani, In Proceedings of the 22nd Annual Meeting of the Special Interest Group on Discourse and Dialogue.
47. Abg-CoQA: Clarifying Ambiguity in Conversational Question Answering, Meiqi Gao, Siva Reddy, Malihe Alikhani, 3rd Conference on Automated Knowledge Base Construction.
48. ParsiNLU: A Suite of Language Understanding Challenges for Persian, Khashabi, Cohan, Shakeri, Hosseini, Pezeshkpour, Alikhani, Yaghoobzadeh, Transactions of the Association for Computational Linguistics, 2021.
49. Aspectuality Across Genre: A Distributional Semantics Approach, Thomas Kober, Malihe Alikhani, Matthew Stone, Mark Steedman, In Proceedings of the 28th International Conference on Computational Linguistics, 2021.
50. Combining Cognitive Modeling and Reinforcement Learning for Clarification in Dialogue, Baber Khalid, Malihe Alikhani, Matthew Stone, In Proceedings of the 28th International

Conference on Computational Linguistics.

51. Discourse Coherence, Reference Grounding and Goal Oriented Dialogue, Baber Khalid, Malihe Alikhani, Mike Fellner, Brian McMahan, Matthew Stone, In Proceedings of the 24th Workshop on the Semantics and Pragmatics of Dialogue.
52. Intention and Attention in Image-Text Presentations: A Coherence Approach, Ilana Torres, Kat Slusarczyk, Malihe Alikhani, Matthew Stone, Experiments in Linguistic Meaning.
53. Cross-modal Coherence Modeling for Caption Generation, Malihe Alikhani, Piyush Sharma, Shengjie Li, Radu Soricut, Matthew Stone, In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics.
54. AI2D-RST: a multimodal corpus of 1000 primary school science diagrams, Tuomo Hiipala, Malihe Alikhani, Jonas Haverinen, Timo Kalliokoski, Evanfiya Logacheva, Serafina Orekhova, Aino Tuomainen, Matthew Stone, John A. Bateman, Language Resources and Evaluation, 2020.
55. That and there: Judging the intent of pointing actions with robotic arms, Malihe Alikhani, Baber Khalid, Rahul Shome, Chaitanya Mitash, Kostas Bekris, Matthew Stone, In Proceedings of the AAAI Conference on Artificial Intelligence, 2020.
56. CITE: A Corpus of Image-Text Discourse Relations, Malihe Alikhani, Sreyasi Chowdhury, Gerard de Melo, Matthew Stone, In Proceedings of NAACL-HLT, 2019.
57. “Caption” as a Coherence Relation: Evidence and Implications, Malihe Alikhani, Matthew Stone, In Proceedings of the Second Workshop on Shortcomings in Vision and Language, 2019. **(Spotlight Presentation)**
58. Arrows are the verbs of diagrams, Malihe Alikhani, Matthew Stone, In Proceedings of the 27th International Conference on Computational Linguistics, 2018.
59. When is Likely Unlikely: Investigating the Variability of Vagueness, Kimele Persaud, Brian McMahan, Malihe Alikhani, Kevin Pei, Prenille Hemmer, Matthew Stone, In Proceedings of the Cognitive Science Society Conference, 2017.
60. Exploring coherence in visual explanations, Malihe Alikhani, Matthew Stone, In 2018 IEEE Conference on Multimedia Information Processing and Retrieval (MIPR) IEEE, 2017. **(Spotlight Presentation)**

61. Pricing Complexity Options, Malihe Alikhani, Bjorn Kjos-Hanssen, Algorithmic Finance, 2015.

Selected Abstracts and Posters

1. Learning variations in children’s multimodal cues of uncertainty during a math-related numerical discrimination task Remi Choi, Rahma Mbarki, Gen Grmek, Kimele Persaud, Jenny Wang, Malihe Alikhani, Proceedings of the Annual Meeting of the Cognitive Science Society, 2022.
2. Learning cognitive and linguistic prosodic categories for automatic cross-lingual sign language understanding Mert Inan, Sabit Hassan, Lorna Quandt, Malihe Alikhani, Proceedings of the Annual Meeting of the Cognitive Science Society, 2022.
3. Look For Adjectives In the Face: How Facial Expressions Contribute To Meaning In Signed Languages Carla Viegas, Lorna Quandt, Malihe Alikhani, Proceedings of the Annual Meeting of the Cognitive Science Society, 2022.
4. Studying the effect of moderator biases on the diversity of online discussions: A computational cross-linguistic study, Sabit Hassan, Kate Atwell, Malihe Alikhani Proceedings of the Annual Meeting of the Cognitive Science Society, 2022.
5. How do Politicians Collaborate?, Kate Atwell, Malihe Alikhani, Text as Data Conference, 2022.
6. Comparing Healthcare Experiences Between Deaf and Hard of Hearing vs Hearing patients During the COVID-19 Pandemic, Valerie DeVos, Ivy Baker, Kenneth De Haan, Sheila Pratt, Olga Kravchenko, Jonathan Maier, Malihe Alikhani, Richard D. Boyce, RIT research workshop, 2022.

AWARDS

Outstanding Paper Award

ACL Workshop on NLP for Positive Impact 2024

Outstanding Paper Award

ACL Workshop on Customizable NLP 2024

Best Paper Award

The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP) 2023

Finalist of the Amazon Alexa Challenge—3rd place

Developed Conversational AI for marginalized communities 2023

Best Paper Award

The 38th Conference on Uncertainty in Artificial Intelligence

UAI 2022

Best Student Paper Award

30th ACM Conference on User Modeling, Adaptation and Personalization

UMAP 2022

Best Short Paper Award

The 14th International Conference on Natural Language Generation

INLG 2021

Best Theme Paper Award

59th Annual Meeting of the Association for Computational Linguistics

ACL 2021

Honorable Mention Award

21st ACM International Conference on Intelligent Virtual Agents, 2021

ACM-IVA 2021

Anita Borg Student Fellowship

2019

Fellowship Award for Excellence in Computation and Data Sciences

Rutgers Discovery Informatics Institute

2018

Graduate Cohort Scholarship

Computational Research Association–Women

2017, 2018

NSF Graduate Fellowship

University of Hawaii–Manoa

2013

Finalist of the National Olympiad of Persian Literature and Poetry

2007

TEACHING

CS7170: Inclusive and Equitable Language Technologies

Fall 2023

Graduate course, Northeastern University

CS2731: Introduction to Natural Language Processing

Spring 2023

Graduate course, University of Pittsburgh

CS1699: Bias and Ethical Implications in AI (New Offering)

Spring 2022

University of Pittsburgh

CS2731: Introduction to Natural Language Processing

Fall 2021

Graduate course, University of Pittsburgh

CS1699: AI for Good: Ethics and Impact Undergraduate course, University of Pittsburgh	Spring 2021
CS3730: Computational Modeling of Discourse and Grounded Communication Graduate course, University of Pittsburgh	Fall 2020
Introduction to Statistics and Probability for MBA students Graduate course, San Diego State University	Spring 2015
Statistics and Probability, Calculus II, Intermediate Algebra Undergraduate course, San Diego Mesa College	2014–2015
Calculus I, II Undergraduate course, Grossmont College	2014–2015
Algebra Undergraduate course, San Diego City College	2014–2015

DIVERSITY AND INCLUSION

Organizer and Chair, the Pitt Inclusion Program University of Pittsburgh	2020-2023
Organizer, Workshop on Equity and Inclusion in Teaching University of Pittsburgh	2022-2023
Member of the DEI committee School of Computing and Information, University of Pittsburgh	2020-2023
Member of the Diversity and Inclusion committee Department of Computer Science, University of Pittsburgh	2020-2023
Member of the Year of Data and Society, Provost Office	2021-2022
Mentor at Iranian Women in Computing	2020-2022
Grace Hopper event organizer for SCI-Pitt	2021-2022
Mentor at ACL Mentorship Program	2021-2022

SELECTED INVITED PRESENTATIONS

Harvard University of Maryland, Colloquium	April 2024
EACL workshop on Uncertainty Modeling, Keynote	March, 2024
University of Arizona, Colloquium	March 2024
AAAI Workshop on Policy and AI, Keynote	February 2024
UC Berkeley, Colloquium	February 2024
University of Maryland, Colloquium	November 2022
Georgetown University, Colloquium	November 2022
University of Rochester, Linguistics Seminar	October 2022
UT Austin, Machine Learning Seminar	October 2022
UT Austin, Linguistics Seminar	October 2022
Gallaudet University, Colloquium	January 2022
University of Amsterdam, Colloquium	December 2021
University of Memphis, Colloquium	December 2021
Forbes Seminar Series	October 2021
Universität Potsdam, Colloquium	June 2021
University of Washington, Colloquium	February 2021
Carnegie Mellon University, Colloquium	December 2020
Indiana University, Natural Language Seminar	November 2020
SRI International, Natural Language Seminar	July 2020
Mila - Quebec AI Institute, Colloquium	June 2020
Rice University of Southern California, Colloquium	May 2020
University of Florida, Natural Language Seminar	March 2020
Penn State, Colloquium	February 2020
University of Southern California, Natural Language Seminar	June 2019
New York Academy of Sciences, Start Talk Presentation	November 2019
University of Southern California, Natural Language Seminar	June 2019
University of Oslo, Supper Linguists Colloquium	May 2019
Tulane University, Computer Science Colloquium	May 2019

Rutgers University, Workshop on Multimodality and Computation	February 2019
Rutgers Discovery Informatics Institute Open House	October 2018
Institute for Linguistics, Image and Text, Hampshire College	October 2018
UC Berkeley, The Fourth Annual Meeting in Probability Theory	November 2014
Cornell University, Workshop in Probability Theory	June 2014

PANELS

Perspectives with Global Voices—celebrating diversity in minds and methods November 2024
EMNLP 2024

Perspectives with Global Voices—celebrating diversity in minds and methods November 2024
EMNLP 2024 Exploring AI in HR: Opportunities and Challenges in Automation, Fairness,

Privacy, and Transparency March 2024
EACL 2024

Ethics and Inclusively in RoboNLP November 2023
SPLU-EMNLP 2023

Challenges of Women in Academia November 2023
Northeastern University

LLMs: Risks and Opportunities September 2023
SigDial 2023

Safety and LLMs September 2023
DoD event 2023

Chat GPT and the future of AI April 2023
University of Pittsburgh

Politics of AI: A Panel with Kate Crawford April 2021
Sara Fine Institute

Trust in Human–AI Interaction October 2021
Forbes Corridor series organized by CMU and Pitt

Explainable and Interpretable AI September 2020
Third International Workshop on Spatial Language Understanding

Research, Teaching, and Everything in Between August 2018
Rutgers Graduate School Orientation

Research Experiences in Artificial Intelligence January 2017
Rutgers Hackathon

SERVICE AND OUTREACH

Ethics Co-Chair, Association for Computational Linguistics, Rolling Review System 2023

Workshop Chair, The 2024 Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT2024) 2023-2024

Faculty head, Khoury School of Computer Science Women Affinity Group 2023-2024

Organizing Committee

- **The 12th Joint Conference on Lexical and Computational Semantics (*SEM 2023)**
Co-located with ACL-2023 2023
- **Forth International Combined Workshop on Spatial Language Understanding and Grounded Communication for Robotics**
Co-located with EMNLP-2023
Organizing Committee: Malihe Alikhani, Aishwarya Padmakumar (Amazon Alexa AI) 2023
- **First International Workshop on Communicative Technologies for Autism**
Co-located with SigDial-2023 2023
- **First International Workshop on Document-grounded Dialogue and Conversational Question Answering**
Co-located with ACL-2021
Organizing Committee: Malihe Alikhani, Song Feng (IBM Research), He He (New York University), Mohit Iyyer (University of Massachusetts Amherst), Yangfeng Ji (University of Virginia), Siva Reddy (McGill University, MILA), Zhou Yu (Columbia University) 2021

- **Second International Combined Workshop on Spatial Language Understanding and Grounded Communication for Robotics**
Co-located with ACL-2021
Organizing Committee: Malihe Alikhani, Hao Tan(UNC), Aishwarya Padmakumar (Amazon Alexa AI), Parisa KordJamshidi (Michigan State) 2021
- **The Third Workshop on Spatial Language Understating**
Co-located with EMNLP-2020
Organizing Committee: Malihe Alikhani, Jason Baldridge (Google), Mohit Banshal (UNC), Parisa KordJamshidi (Michigan State) 2020

Tutorials

- **Practical Tools from Domain Adaptation for Designing Inclusive, Equitable, and Robust Generative AI**
with Anthony Sicilia
Co-located with AACL-IJCAI-2023 2023
- **Achieving Common Ground in Multimodal Dialogue**
with Matthew Stone
Co-located with ACL-2020 2020

Action Editor and Area Chair

- **Senior Area Chair**, The 31st International Conference on Computational Linguistics 2025
- **Senior Area Chair**, The 63rd Annual Meeting of the Association for Computational Linguistics 2025
- **Senior Area Chair**, The 2024 Conference on Empirical Methods in Natural Language Processing 2024
- **Senior Area Chair**, The 2023 Conference on Empirical Methods in Natural Language Processing 2023
- **Senior Area Chair**, ACL 2023
- **Senior Area Chair**, EACL 2023
- **Area Chair and Session Chair**, The 61st Annual Meeting of the Association for Computational Linguistics (ACL'23) 2023
- **Area Chair and Session Chair**, The 17th Conference of the European Chapter of the Association for Computational Linguistics 2023
- **Action Editor**, ACL Rolling Review 2021–Now

- AAAI 2023
- EMNLP 2022
- *SEM: Conference on Lexical and Computational Semantics 2022
- ACM Conference on Fairness, Accountability, and Transparency 2022
- Dialogue and Interactive Systems, EACL 2021
- Language, Vision and Beyond, NAACL 2021
- Discourse and Pragmatics, NAACL 2021

Publication Chair

- The 23rd Annual Meeting of the Special Interest Group on Discourse and Dialogue, SigDial 2022
- The 24rd Annual Meeting of the Special Interest Group on Discourse and Dialogue, SigDial and INLG 2023

Selected Program Committee

- The Thirty-sixth AAAI Conference 2022
- The Thirty-Fifth AAAI Conference 2021
- Conference on Empirical Methods in Natural Language Processing 2021
- The European Chapter of the ACL 2021
- Conference on Gestures and Natural Language Semantics 2020
- 2020 Conference on Neural Information Processing Systems 2020
- The 28th International Conference on Computational Linguistics 2020
- Conference on Empirical Methods in Natural Language Processing 2020
- 57th Annual Meeting for Computational Linguistics 2020
- International Conference on Machine Learning (ICML 2020) 2020
- The Thirty-Fourth AAAI Conference 2019
- 12th International Conference on Natural Language Generation 2019
- 2019 Conference on Empirical Methods in Natural Language Processing 2019
- 57th Annual Meeting for Computational Linguistics (ACL) 2019

- 57th ACL
Student Research Workshop, Program Committee 2019
- Workshop on Spatial Language Understanding 2019
17th Annual Conference of the North American Chapter of ACL
- Workshop on Shortcomings in Vision and Language 2019
17th Annual Conference of the North American Chapter of ACL
- 2nd Conference on Language, Data and Knowledge 2019
- The 2019 Amsterdam Colloquium Super Linguistics Workshop 2019
- 20th ACM International Conference on Multimodal Interaction 2018

Editorial Board

- Information Fusion 2021–Present
- Peer J 2021–Present
- Language and Resource 2021–Present
- Springer Nature 2021–Present
- Discourse and Dialogue 2019–Present
- Gestures 2019–Present
- Mental Note Journal 2018–Present
Undergraduate Research Journal of Cognitive Science

Orientation Leader

- Incoming Teaching Assistant Orientation 2018, 2019

Departmental, School, University Service

- Year of Data and Society, Steering Committee 2021
- PittCyber, Grant Review Committee 2021
- Member of the Graduate Student Admission Committee 2020, 2021
- Member of the Diversity, Equity, and Inclusion, SCI 2020, 2021

PRESS COVERAGE

freethink.com Suckup software: How sycophancy threatens the future of AI	December, 2023
Natural Language Processing Highlight Podcast	March, 2022
UNITED.AI, “Can NLP Soon Include Signed Languages?”	August, 2021
News8Plus, “Researchers urge natural language processing research focus on signed languages”	August, 2021

SUPERVISION

Kate Atwell, CS, PhD Discourse-aware inclusive language generation	2026 (Expected)
Mert Inan, CS, PhD Multimodal dialogue	2026 (Expected)
Anthony Sicilia, CS, PhD Domain adaptation in NLP	2025 (Expected)
Sabit Hassan, CS, PhD Multimodal generation	2025
Yan Wang, Nursing, PhD , Co-advised with Heidi Davis Nurse-patient engagement and symptom management	2023
Sanchayan Sarkar, MS Thesis Multimodal Prediction of End-of-Turns in Dyadic Conversations	2021
Kevin Holster, MS Project	2021
Christian Pensabene, MS Thesis Coronabot: A Conversational AI System for Tackling Misinformation	2021
Cheloe Ciera, BS Thesis Covert Gender Bias in Machine Translation	2021
Daya Sharon, BS Thesis A Multimodal Interactive Software for Sign Language Annotation	2021
Sadhana Sridhar, BS Thesis Bidirectional Trust in Human-AI collaboration	2021

Jack Haskins Capstone Project	2020
Hunter Osterhoudt Capstone Project	2020
Michael Voit Capstone Project	2020
Andrew Preston Capstone Project	2020
Jacob Zomper Capstone Project	2020

PHD THESIS COMMITTEES

Barea Sinno, Political Science UT–Austin	2022
Venkata Govindarajan, Linguistics UT–Austin	2022
Muheng Yan, Computer Science University of Pittsburgh	2022
Yue Dai, Computer Science University of Pittsburgh	2022
Varun Gangal, Computer Science Carnegie Mellon University	2022
Amanda Buddemeyer, Computer Science University of Pittsburgh	2021
Sumedha Singla Singla, Computer Science University of Pittsburgh	2021
Mohamed Abdellatif, Computer Science Rutgers University	2020