

# MALIHE ALIKHANI

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## RESEARCH INTERESTS

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I work towards designing inclusive and equitable language technologies. This involves developing systems that can communicate and collaborate with diverse populations, especially those from underserved communities, for critical applications such as education, health, and social justice. Recently, the focus of my work has been on evaluating and measuring harm in AI systems.

## EMPLOYMENT

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**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:** CMU Center for Collaboratory Against Hate, Northeastern Ethics Institute, NU Lab

## EDUCATION

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**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: Vague Categories in Communication

**MSc Computer Science** 2015–2017  
Rutgers University

**MSc Mathematics** 2012–2014  
University of Hawaii-Manoa

Thesis Title: 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  
Advisor: Asad Aghajani

## GRANTS AND SPONSORSHIP

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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 \$10,000	October 2021
PI, Google Explore CSR \$20,000	February 2020
PI, Pitt Momentum Teaming Grant Developing Multimodal Technology to Improve Deaf Students Access to STEM Education, \$50,000	February 2021–January 2022
PI, PittCyber Teaming Grant Modeling the Effect of Disinformation on COVID-19 Vaccination Discourse, \$10,000	February 2021
PI, PittCyber Seed Grant Modeling Coordination in Political Discourse, \$5,000	February 2021
PI, Google ExploreCSR \$20,000	February 2021

## SELECTED PUBLICATIONS

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### Books

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

## Book Chapters

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

## Selected Peer-reviewed Publications

1. 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 (EACL), 2023.
2. 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 (EACL), 2023.
3. 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.
4. 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.
5. 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.
6. The Role of Context and Uncertainty in Shallow Discourse Parsing, Kate Atwell, Jessy Li, Malihe Alikhani, The 29th International Conference on Computational Linguistics, 2022.
7. 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.

8. 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.
9. 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.
10. 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.
11. 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)**
12. 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)**
13. Grounding Novel Utterances in Visual Dialogue, Mert Inan, Malihe Alikhani, SemDial 2022.
14. 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.
15. Modeling Intensification for Sign Language Generation: A Computational Approach, Mert Inan, Yang Zhong, Sabit Hassan, Lorna Quandt, Malihe Alikhani, ACL 2022.

16. Cross-Modal Coherence for Text-to-Image Retrieval, Malihe Alikhani, Fangda Han, Ha-reesh Ravi, Mubbasir Kapadia, Vladimir Pavlovic, Matthew Stone, AAAI 2022.
17. 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.
18. NAREOR: The Narrative Reordering Problem, Varun Gangal, Steven Y. Feng, Malihe Alikhani, Teruko Mitamura, Eduard Hovy, AAAI 2022.
19. 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.
20. Towards Designing Enthusiastic AI Agents, Carla Viegas and Malihe Alikhani, In Proceedings of the 21th ACM International Conference on Intelligent Virtual Agents.
21. 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.
22. Singed Conference Resolution, Kayo Yin, Kenny DeHaan, Malihe Alikhani, In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing.
23. 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)**
24. Including Enthusiasm in Human–AI Communication, Carla Viegas, Malihe Alikhani, 21st ACM International Conference on Intelligent Virtual Agents, 2021. **(Honorable Mention)**
25. 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)**
26. Entheos: A Multimodal Dataset for Studying Enthusiasm, Carla Viegas, Malihe Alikhani, In Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021.

27. 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.
28. Abg-CoQA: Clarifying Ambiguity in Conversational Question Answering, Meiqi Gao, Siva Reddy, Malihe Alikhani, 3rd Conference on Automated Knowledge Base Construction.
29. ParsiNLU: A Suite of Language Understanding Challenges for Persian, Khashabi, Cohan, Shakeri, Hosseini, Pezeshkpour, Alikhani, Yaghoobzadeh, Transactions of the Association for Computational Linguistics, 2021.
30. 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.
31. 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.
32. 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.
33. Intention and Attention in Image-Text Presentations: A Coherence Approach, Ilana Torres, Kat Slusarczyk, Malihe Alikhani, Matthew Stone, Experiments in Linguistic Meaning.
34. 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.
35. 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.
36. 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.

37. CITE: A Corpus of Image–Text Discourse Relations, Malihe Alikhani, Sreyasi Chowdhury, Gerard de Melo, Matthew Stone, In Proceedings of NAACL-HLT, 2019.
38. “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)**
39. Arrows are the verbs of diagrams, Malihe Alikhani, Matthew Stone, In Proceedings of the 27th International Conference on Computational Linguistics, 2018.
40. 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.
41. Exploring coherence in visual explanations, Malihe Alikhani, Matthew Stone, In 2018 IEEE Conference on Multimedia Information Processing and Retrieval (MIPR) IEEE, 2017. **(Spotlight Presentation)**
42. Pricing Complexity Options, Malihe Alikhani, Bjorn Kjos-Hanssen, Algorithmic Finance, 2015.

## Selected Abstracts and Posters

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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

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### **Finalist of the Amazon Alexa Challenge**

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

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<b>CS7170: Inclusive and Equitable Language Technologies</b> Graduate course, Northeastern University	Fall 2023
<b>CS2731: Introduction to Natural Language Processing</b> Graduate course, University of Pittsburgh	Spring 2023
<b>CS1699: Bias and Ethical Implications in AI (New Offering)</b> University of Pittsburgh	Spring 2022
<b>CS2731: Introduction to Natural Language Processing</b> Graduate course, University of Pittsburgh	Fall 2021
<b>CS1699: AI for Good: Ethics and Impact</b> Undergraduate course, University of Pittsburgh	Spring 2021
<b>CS3730: Computational Modeling of Discourse and Grounded Communication</b> Graduate course, University of Pittsburgh	Fall 2020
<b>Introduction to Statistics and Probability for MBA students</b> Graduate course, San Diego State University	Spring 2015
<b>Statistics and Probability, Calculus II, Intermediate Algebra</b> Undergraduate course, San Diego Mesa College	2014–2015
<b>Calculus I, II</b> Undergraduate course, Grossmont College	2014–2015
<b>Algebra</b> Undergraduate course, San Diego City College	2014–2015
<b>DIVERSITY AND INCLUSION</b>	
<b>Organizer and Chair, the Pitt Inclusion Program</b> University of Pittsburgh	2020-now
<b>Organizer, Workshop on Equity and Inclusion in Teaching</b> University of Pittsburgh	2022-2023
<b>Member of the DEI committee</b> School of Computing and Information, University of Pittsburgh	2020-2023

<b>Member of the Diversity and Inclusion committee</b> Department of Computer Science, University of Pittsburgh	2020-2023
<b>Member of the Year of Data and Society, Provost Office</b>	2021-2022
<b>Mentor at Iranian Women in Computing</b>	2020-2022
<b>Grace Hopper event organizer for SCI-Pitt</b>	2021-2022
<b>Mentor at ACL Mentorship Program</b>	2021-2022

## **INVITED PRESENTATIONS**

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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**

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Chat GPT and the future of AI University of Pittsburgh	April 2023
Politics of AI: A Panel with Kate Crawford Sara Fine Institute	April 2021
Trust in Human–AI Interaction Forbes Corridor series organized by CMU and Pitt	October 2021
Explainable and Interpretable AI Third International Workshop on Spatial Language Understanding	September 2020
Research, Teaching, and Everything in Between Rutgers Graduate School Orientation	August 2018
Research Experiences in Artificial Intelligence Rutgers Hackathon	January 2017

## **SERVICE AND OUTREACH**

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**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

## 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

## Action Editor and Area Chair

- **Senior Area Chair**, The 2023 Conference on Empirical Methods in Natural Language Processing 2023
- **Senior Area Chair**, The 2023 Conference on Empirical Methods in Natural Language Processing 2023
- **Senior Area Chair**, The 2023 Conference on Empirical Methods in Natural Language Processing 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  
17th Annual Conference of the North American Chapter of ACL 2019
- Workshop on Shortcomings in Vision and Language  
17th Annual Conference of the North American Chapter of ACL 2019
- 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  
Undergraduate Research Journal of Cognitive Science 2018–Present

## 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

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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

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**Anthony Sicilia, Intelligent Systems Program, PhD**  
Domain adaptation in NLP 2023 (Expected)

**Kate Atwell, CS, PhD**  
Discourse-aware inclusive language generation 2024 (Expected)

**Sabit Hassan, CS, PhD**  
Multimodal generation 2025 (Expected)

**Mert Inan, CS, PhD**  
Multimodal dialogue 2025 (Expected)

**Yan Wang, Nursing, PhD**, Co-advised with Heidi Davis  
Nurse-patient engagement and symptom management 2025 (Expected)

**Sanchayan Sarkar, MS Thesis**  
Multimodal Prediction of End-of-Turns in Dyadic Conversations 2021

**Kevin Holster, MS Project** 2021

<b>Christian Pensabene, MS Thesis</b> Coronabot: A Conversational AI System for Tackling Misinformation	2021
<b>Cheloe Ciera, BS Thesis</b> Covert Gender Bias in Machine Translation	2021
<b>Daya Sharon, BS Thesis</b> A Multimodal Interactive Software for Sign Language Annotation	2021
<b>Sadhana Sridhar, BS Thesis</b> Bidirectional Trust in Human-AI collaboration	2021
<b>Jack Haskins</b> Capstone Project	2020
<b>Hunter Osterhoudt</b> Capstone Project	2020
<b>Michael Voit</b> Capstone Project	2020
<b>Andrew Preston</b> Capstone Project	2020
<b>Jacob Zomper</b> Capstone Project	2020

## PHD THESIS COMMITTEES

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<b>Barea Sinno, Political Science</b> UT–Austin	2022
<b>Venkata Govindarajan, Linguistics</b> UT–Austin	2022
<b>Muheng Yan, Computer Science</b> University of Pittsburgh	2022
<b>Yue Dai, Computer Science</b> University of Pittsburgh	2022
<b>Varun Gangal, Computer Science</b> Carnegie Mellon University	2022



<b>Amanda Buddemeyer, Computer Science</b> University of Pittsburgh	2021
<b>Sumedha Singla Singla, Computer Science</b> University of Pittsburgh	2021
<b>Mohamed Abdellatif, Computer Science</b> Rutgers University	2020