

Ge Gao

ge.gao@uci.edu
www.gegao.info
607.342.4538

RESEARCH INTERESTS

Computer-supported cooperative work and social computing
Computer-mediated communication
Technology use in the workplace

EDUCATION

- 2011 – 2017 **Cornell University, U.S.**
Ph.D. in Communication with a Minor in Information Science
Dissertation:
Understanding the Dynamics of Language Use and Its Effects on Daily
Communication in Multilingual Teams
Research committee:
Susan R. Fussell (Chair), Pamela J. Hinds, Dan Cosley, Jeff Hancock
- 2007 - 2010 **Peking University, China**
M.S. in Psychology
Thesis:
Identity Negotiation and Its Association with Technology Use Among
Chinese Youth
- 2003 - 2007 **Peking University, China**
B.S. in Psychology
Thesis:
Relationship between Organization Commitment, Thinking Style and
Innovative Behaviors: An Empirical Study of Knowledge Workers

EMPLOYMENT

- 2017 – 2018 **University of California, Irvine, U.S.**
Department of Informatics
Postdoctoral Researcher
- 2011 – 2017 **Cornell University, U.S.**
Department of Communication
Research Assistant
- 2010 – 2011 **Microsoft Research Asia, China**
HCI Group
Research Assistant

PUBLICATIONS

- JOURNAL PAPER **Gao, G.**, Hwang S. Y., Culbertson, G., Fussell, S.R., & Jung M. (2018). Beyond Information Content: The Effects of Culture on Affective Grounding in Instant Messaging Conversations. Proceedings of ACM in Human-Computer Interaction. To appear.
- Hautasaari, A., Yamashita N., & **Gao, G.** (2017). How Non-Native English Speakers Perceive the Emotional Valence of Messages in Text-Based Computer Mediated Communication. Discourse Processes, 1-17.
- CONFERENCE PAPER **Gao, G.** & Fussell, S.R. (2017). A Kaleidoscope of Languages: When and How Non-Native English Speakers Shift between English and Their Native Language during Multilingual Teamwork. Proceedings of Human Factors in Computing Systems (CHI) 2017, ACM Press, 760-772.
- U **Gao, G.**, Yamashita, N., Hautasaari, A., & Fussell, S.R. (2015). Improving Multilingual Collaboration by Displaying How Non-native Speakers Use Automated Transcripts and Bilingual Dictionaries. Proceedings of Human Factors in Computing Systems (CHI) 2015, ACM Press, 3463-3472. **Best Paper Honorable Mention Award.**
- U **Gao, G.**, Xu, B., Hau, D., Yao, Z., Cosley, D., & Fussell, S.R. (2015). Two is Better Than One: Improving Multilingual Collaboration by Giving Two Machine Translation Outputs. Proceedings of Computer-Supported Cooperative Work and Social Computing (CSCW) 2015, ACM Press, 852-863. **Best Paper Honorable Mention Award.**
- Gao, G.**, Yamashita, N., Hautasaari, A., Echenique, A., & Fussell, S.R. (2014). Effects of Public vs. Private Automated Transcripts on Multiparty Communication between Native and Non-Native English Speakers. Proceedings of Human Factors in Computing Systems (CHI) 2014, ACM Press, 843-852.
- Hautasaari, A., Yamashita, N., & **Gao, G.** (2014). Maybe It Was a Joke: Emotion Detection in Text-Only Communication by Non-Native English Speakers. Proceedings of Human Factors in Computing Systems (CHI) 2014, ACM Press, 3715-3724.
- Xu, B., **Gao, G.**, Fussell, S.R., & Cosley, D. (2014). Improving Machine Translation by Showing Two Outputs. Proceedings of Human Factors in Computing Systems (CHI) 2014, ACM Press, 3743-3746.
- Gao, G.**, Xu, B., Cosley, D., & Fussell, S.R. (2014). How Beliefs about the Presence of Machine Translation Impact Multilingual Collaborations. Proceedings of Computer-Supported Cooperative Work and Social Computing (CSCW) 2014, ACM Press, 1549-1560.

Gao, G., Wang, H.C., Cosley, D., & Fussell, S.R. (2013). Same Translation but Different Experience: The Effect of Highlighting on Machine-Translated Conversations. Proceedings of Human Factors in Computing Systems (CHI) 2013, 449-458.

Gao, G., Hinds, P. J., & Zhao, C. (2013). Closure vs. Structural Holes: How Social Network Information and Culture Affect Choice of Collaborators. Proceedings of Computer-Supported Cooperative Work and Social Computing (CSCW) 2013, ACM Press, 5-18.

Zhao, C., Hinds, P. J., & **Gao, G.** (2012). How and to Whom People Share: The Role of Culture in Self-Disclosure in Online Communities. Proceedings of Computer-Supported Cooperative Work and Social Computing (CSCW) 2012, AMC Press, 67-76.

SELECTED PROJECTS

2017 –2018,
UC Irvine, U.S.

Comprehensive Modeling for Workplace Behaviors via Sensing

This project aims to create a robust sensing system and use large-scale data collected through this system to model people's in-situ workplace behaviors.

Facilitating Stress Management Among Knowledge Workers

This project aims to understand how knowledge workers manage stress by extracting and analyzing reliable cues from commodity sensors. It also concerns the development of engaging biofeedback apps and recommendation systems that help people cope with stress.

2015 –2017,
Cornell University, U.S.

Understanding Language Use in Multilingual Teams

This project examines how members of multilingual teams balance the costs and benefits of using multiple languages through their daily communication practice. Findings from this research provide insights into the design of multilingual collaboration systems and suggest strategies to maximize the value of multilingual teams.

Effects of Involving Social Robots in Intercultural Group Work

This project examines emotion regulation during intercultural group collaboration. Specifically, it explores the potential to alleviate interpersonal tensions by introducing a robot into the group process.

2013 –2015,
Cornell University, U.S.

Effects of Using Machine Translation in Multilingual Collaboration via Instant Messaging

This project aims at pinpointing the role of machine translation (MT) in establishing conversational grounding as well as shaping interpersonal dynamics during multilingual collaboration. Results of this research recommend various low-cost solutions to improve the quality of MT-mediated collaboration.

2013 –2015,
NTT Research Lab, Japan

Facilitating Remote Audio Conferencing Between Native and Non-Native Speakers of English

This project explores novel ways to improve the grounding efficiency between native and non-native English speakers in remote conferencing. Findings indicate how automated transcription may be used, beyond subtitle generation, to signal information that facilitates the collaborative process of grounding at the team level.

2010 –2012,
Microsoft Research, China

Intercultural Collaboration via Online Platforms

This project looks at how people with different cultural backgrounds rely on different types of available information on enterprise social networking sites (SNS) to decide whom to collaborate with. Findings from this research shed light on the design features of collaboration platforms that facilitate intercultural collaboration.

INVITED TALKS

2017

Chinese Academy of Sciences, China.

Human-Computer Interaction Seminar, hosted by Prof. Jing-Yu Zhang.

Fudan University, China.

Cooperative Information and System Lab, hosted by Prof. Ning Gu.

Clemson University, U.S.

Human-Centered Computing Seminar, hosted by Prof. Kelly Caine.

Northwestern University, U.S.

Media, Technology and Society Speaker Series, hosted by Prof. Darren Gergle.

2016

National Tsinghua University, Taiwan.

Social Computing Guest Lecture.

Cornell University, U.S.

Behavior and Information Technology Guest Lecture.

2015

Osaka University, Japan.

Human-Robot Interaction Seminar, hosted by Hideyuki Nakanishi.

Cornell University, U.S.

Information Science Graduate Seminar Series, hosted by Gilly Leshed.

PROFESSIONAL SERVICES

JOURNAL

International Journal of Human-Computer Studies

MANUSCRIPT REVIEWS

Journal of Human-Robot Interaction

Interacting with Computers

Journal of Social and Personal Relationships

Journal of Natural Language Engineering

CONFERENCE
SUBMISSION REVIEWS

The ACM Conference on Human Factors in Computing System (CHI)
The ACM Conference on Computer-Supported Cooperative Work and
Social Computing (CSCW)
The International Conference on Human-Computer Interaction with
Mobile Devices and Services (MobileHCI)
The ACM SIGCHI Conference on Designing Interactive Systems (DIS)
The ACM Creativity & Cognition Conference (C&C)

CONFERENCE SERVICE

Program Committee (PC) member at CSCW 2018 and CHI 2018
Conference Committee member at CHI 2017
Translation facilitator at CHI 2015
Telepresence facilitator at CSCW 2015 and CHI 2016

TEACHING

UNDERGRADUATE
COURSE

Visual Communication, Spring 2017
Educational Psychology, Fall 2016

GRADUATE COURSE

Computer-Mediated Communication, Spring 2016