

Wang Liao

PhD Candidate
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Areas of Research Interest

Communication in Social Processes (Interpersonal, Group, and Organizational)
Medium Effects and Communication Technologies
Relational and Group Processes
Social and Communication Networks
Social Functionality of Affect and Emotion
Quantitative and Computational Methods

Education

PhD in Communication (expected, 2018 summer)
Department of Communication, Cornell University
Advisory Committee: Connie Yuan (chair), Drew Margolin, Ed Lawler, Michael Macy
Mentor: Felix Thoemmes, Natalie Bazarova

2015 **MS in Communication**
Department of Communication, Cornell University

2012 **MA in New Media Studies**
School of Journalism and Communication, Tsinghua University, China

2009 **BA in Advertising**
Department of Advertising, Xiamen University, China

Honors & Awards

2016 **Anson Rowe Advanced Student Award**
Cornell University

- 2015 Top faculty paper (2nd place)
CommSHER Division, AEJMC

Journal Articles

- 2017 **Liao, W.**, McComas, K. A., & Yuan, Y. C. (2017). The influence of unrestricted information exchange on willingness to share information with outsiders. *Human Communication Research*, 43, 256–275. doi:[10.1111/hcre.12104](https://doi.org/10.1111/hcre.12104)
- Thoemmes, F., **Liao, W.**, & Jin, Z. (2017). The analysis of the regression-discontinuity design in R. *Journal of Educational and Behavioral Statistics*, 42, 341-360. doi:[10.3102/1076998616680587](https://doi.org/10.3102/1076998616680587)
- 2016 **Liao, W.**, Bazarova, N. N., & Yuan, Y. C. (2016). Expertise judgment and communication accommodation in linguistic styles in computer-mediated and face-to-face groups. *Communication Research*. Advance online publication. doi:[10.1177/0093650215626974](https://doi.org/10.1177/0093650215626974)
- Liao, W.**, Yuan, Y. C., & McComas, K. A. (2016). Communal risk information sharing: motivations behind voluntary information sharing for reducing interdependent risks in a community. *Communication Research*. Advance online publication. doi:[10.1177/0093650215626981](https://doi.org/10.1177/0093650215626981)

manuscripts under review

- Liao, W.**, Bazarova, N. N., & Yuan, Y. C. (working title) Unpacking medium effects: Using the social relations model to study social psychological aspects of in computer-mediated communication. (*revise & resubmit*)
- Margolin, D. & **Liao, W.** (working title) Emotional ‘group talk’: A communication logic for self-organized solidarity among national football league fans on Twitter. (*under review*)
- Yuan, Y. C., **Liao, W.**, & Bazarova, N. N. (working title) Judging expertise through communication styles in intercultural collaboration (*under review*)

Book Chapter

- 2016 **Liao, W.**, MacDonald, P., & Yuan, Y. C. (2016). The impact of communication behaviors on expertise recognition in intercultural collaboration. In J. Treem & P. Leonardi (Eds.), *Communication, Expertise, and Organizing*. Oxford, UK: Oxford University Press

Conference Presentations / Proceedings

- 2017 **Liao, W.**, Bazarova, N. N., & Yuan, Y. C. (2017, May). Development and application of an analytical framework for analyzing social behaviors with social relations models in CMC Groups. Poster presented at the 67th Annual Conference of the International Communication Association, San Diego, CA, USA
- 2016 **Liao, W.**, McComas, K. A., & Yuan, Y. C. (2016, November). The influence of unrestricted information exchange on willingness to share risk information with outsiders. Paper presented at the National Communication Association 102th Annual Convention, Philadelphia, PA, USA
- 2015 Margolin, D., **Liao, W.**, & Lin, Y.-R. (2015). Conversing in reflective glory: A systematic study using national Football League games. Proceedings of ICWSM'15
- Liao, W.**, Bazarova, N. N., & Yuan, Y. C. (2015, May). Expertise judgment and communication accommodation in CMC and FtF groups. Paper presented at the 65th Annual Conference of the International Communication Association, San Juan, Puerto Rico
- Liao, W.**, Yuan, Y. C., & McComas, K. A. (2015, August). Communal risk information sharing: motivations behind voluntary information sharing of late blight infection in U.S. agricultural communities. **Top 2 faculty paper of the CommSHER division** at the Annual Conference of the Association for Education in Journalism and Mass communication, San Francisco, CA, USA
- 2012-2014 **Liao, W.** & Liu, Y. (2014, May). Personalized public goods production in social networking site. Paper presented at the 63th Annual Conference of the International Communication Association, Seattle, WA, USA
- Theommes, F. & **Liao, W.** (2014, May). The Markov equivalence class of the mediation model. Paper presented at the Modern Modeling Method Conference. Storrs, CT, USA
- Liao, W.** & Liu, Y. (2014, May). Personalized public goods production in social networking site. Paper presented at the 63th Annual Conference of the International Communication Association, Seattle, WA, USA
- Liao, W.** (2013, Nov). The digital legitimization of stratification. National Communication Association 99th Annual Convention, Washington, D.C., USA
- Thoemmes, F. & **Liao, W.** (2013, May). Propensity score matching (with multi-level data) using SPSS and R. Paper presented at the Modern Modeling Methods Conference, Storrs, CT, USA

Developed Computer Programs

- 2015- R Package for Regression Discontinuity Designs
with Dr. Thoemmes, F. & Jin, Z.
- 2013-2015 SPSS Plugin for Propensity Score matching
with Dr. Thoemmes, F.
sourceforge.net

Teaching Experience

- 2016 Spring Structural Equation Modeling (Graduate Seminar, 3 credits)
COMM 6950, Department of Communication, Cornell University
Co-Instructor (4 students): lecturing for lab sessions and recent advances in SEM
- 2013 Fall Research Issues in Social Networks (Graduate Seminar, 3 credits)
INFO 7040, Department of Information Science, Cornell University
Teaching Assistant (20 students): tutoring and grading essays for first-year graduate students in Information Science
- 2010 Fall, 2011 Spring Survey and Statistics (Undergraduate Lecture, in Chinese, 3 credits)
40670363, School of Journalism and Communication, Tsinghua University, China
Teaching Assistant and Lab Session Instructor (40 students): designing statistical assignments and labs.

Grant-based Research Experience

- 2015- Web-based Software to Estimate Power and Causal Effects of Various Regression Discontinuity Designs (US Department of Education, Institute of Education Sciences, R305D150029, PI: Felix Thommes)
Research Assistant: collaborating on the design and implementation of the method and software
Output (current): coauthoring a paper published in *Journal of Educational and Behavioral Statistics*
- 2012-2015 Reducing Losses to Potato and Tomato Late Blight by Monitoring Pathogen Populations, Improved Resistant Plants, Education, and Extension (US Department of Agriculture, National Institute of Food and Agriculture, 2011-68004-30154, PI: Katherine McComas)
Research Assistant: leading a national survey of risk information sharing among US growers

Output: leading two papers published in *Communication Research* and *Human Communication Research*

- 2012-2013 Retaining Organizational Knowledge in Connective and Communal Transactive Memory Systems: A Cross-culture Investigation from a Multilevel, Network Perspective (National Science Foundation, Innovation and Organizational Change, 0822784, PI: Connie Yuan) / Expertise recognition in cross-cultural collaboration in groups: The impact of computer-mediated and face-to-face communication (Institute of Social Sciences of Cornell University, PI: Natalie Bazarova)
Research Assistant: studying communication dynamics in teams
Output: leading a paper published in *Communication Research*

Skills in Applied Statistics

Multilevel Modeling, Structural Equation Modeling, Panel Data/Fixed-Effects Modeling, Statistical Network Analyses, Causal Inference in Observational Data.

Service

- 2016 Job Search for Assistant Professor in Visual Communication, Committee Member
Dept. of Communication, Cornell University

Professional Affiliations

National Communication Association, Member
International Communication Association, Member
Association for Education in Journalism and Mass Communication, Member