

Communicating with Machines: Interventions with Digital Agents

Pre-Conference for the
International Communication Association Annual Conference 2017
San Diego Hilton Bayfront
May 25, 2017

Sponsors:

Northern Illinois University, Department of Communication
Northern Kentucky University, College of Informatics
University of Illinois at Chicago, Department of Communication
University of Kentucky, College of Communication & Information, School of
Information Science, Communication and Social Robotics Labs
University of Oregon, Shirley Papé Chair in Electronic Media, School of
Journalism and Communication
Western Michigan University, School of Communication, Communication and
Social Robotics Labs

Pre-Conference Organizers:

Autumn Edwards, Western Michigan
University
Chad Edwards, Western Michigan
University
Andrea L. Guzman, Northern Illinois
University
David J. Gunkel, Northern Illinois
University

Steve Jones, University of Illinois at
Chicago
Austin Lee, Northern Kentucky University
Seth C. Lewis, University of Oregon
Jake Liang, Chapman University
Patric Spence, University of Kentucky

Schedule:

8:00 – 8:30 a.m.	<i>Poster Set-up and Computer Testing</i>
8:30 – 8:45 a.m.	Welcome & Introductions
8:45 – 9:40 a.m.	Theorizing Communication with Machines
9:40 – 10:00 a.m.	Poster Session with Morning Refreshments
10:00 a.m. – 10:55 a.m.	HMC in Information Sharing
11:00 a.m. – 11:45 a.m.	Autonomous Automobiles
11:45 – 12:30 p.m.	Lunch
12:30 – 1:30 p.m.	Issues of Privacy, Morality, and Culture
1:30 – 2:00 p.m.	Poster Session with Afternoon Refreshments
2:00 – 3:55 p.m.	Human-Machine Communication Studies
3:55 – 4:30 p.m.	Open Discussion

Theorizing Communication with Machines:

- 1) **Computational Interpersonal Communication: Communication Studies and Spoken Dialogue Systems.** David J. Gunkel, Northern Illinois University
- 2) **The Social Pragmatics of Communication with Social Robots.** Autumn Edwards, Western Michigan University, Chad Edwards, Western Michigan University, & Andrew Gambino, Penn State University.
- 3) **The Symbiotic-Imaginary Relationship between Users and Technologies.** Peter Nagy, Arizona State University, & Gina Neff, University of Oxford
- 4) **Embracing the Paradox of the Dynamic Cyborg.** Julianne H. Newton, University of Oregon

HMC in Information Sharing:

- 1) **Journalism and AI: Theorizing Human-Machine Communication in the Newsroom.** Andrea Guzman, Northern Illinois University, & Seth Lewis, University of Oregon
- 2) **"Walk Away": The Poetics of Robots in Archival Digitization.** Sharon Ringel, University of Haifa, Israel & Rivka Ribak. University of Haifa, Israel
- 3) **Should an Algorithm Write the News? Theoretical Perspectives, Methodological Approaches, and Experimental Tests of Automation Effects on News Reception.** Frank Waddell, University of Florida
- 4) **The Role of Predictive Information Assistants in Limiting the Boundaries of Self Expression.** Jan Fernback, Temple University

Autonomous Automobiles:

- 1) **Autonomy and Automobiles: HMC and Self-Driving Cars.** Steve Jones, University of Illinois, Chicago
- 2) **Vehicular interventions: Theorizing human-machine communication on the road now and in the future.** Eleanor Sandry, Curin University
- 3) **Autonomous Vehicles as Human-Machine Communication and Intervention in the Urban Environment.** Laura Forlano, Illinois Institute of Technology

Issues of Privacy, Morality, and Culture:

- 1) **Privacy Concerns and Social Robots: Results of a Survey Study.** Christoph Lutz, Norwegian Business School, & Aurelia Tamo, University of Zurich
- 2) **Morality in the Machine: Perceived Moral Agency of, Trust in, and Attraction to Anthropomorphic Agents.** Jamie Banks, West Virginia University
- 3) **Putting-on Time: Fashioning Change and the Wearable Body.** Erin O'Connor, University of Texas at Austin
- 4) **Bad Bots: Comparative Legality of Mean Machine Communication.** Meg Leta Jones, Georgetown University
- 5) **Cultural identity in the age of recommender systems.** Mihaela Popescu, California State University, San Bernardino, & Lemi Baruh, Koç University

Human-Machine Communication Studies

- 1) **Robotic foot-in-the-door: Using sequential-request persuasive strategies in human-robot interaction.** Seungcheol Austin Lee, Northern Kentucky University, Yuhua (Jake) Liang, Chapman University, & Anne Marie Thompson, Northern Kentucky University.
- 2) **My Hello Barbie: Friendship is Scripted.** Sarah A. Bell, Michigan Technological University
- 3) **I Might Believe You if You Weren't a Robot: Comparing Perceptions of Risk Message. Credibility across Traditional and Robotic Platforms.** Kenneth A. Lachlan, University of Connecticut, Adam Rainear, University of Connecticut, Bryan Vanco, University of Connecticut, Patric R. Spence, University of Kentucky, Joshua Fishlock, Arizona State University-Lake Havasu, & Zhan Xu, University of Connecticut.
- 4) **Imagining New Forms of Human-Machine Communication: A Case Study of Google DeepMind's AlphaGo.** Nathaniel Curren, University of Southern California & Jingyi Sun, University of Southern California

Poster Session:

- 1) **De-Sex-Categorization Effect in Human-machine Communication.** Yi Mou, Shanghai Jiao Tong University, & Kun Xu, Temple University
- 2) **Categorization and Decision-making in Humans Teaming with Machines.** Lorraine Borghetti, The Ohio State University
- 3) **A robot will take your job. How does that make you feel? Examining perceptions of robots in the workplace.** Patric R. Spence, University of Kentucky, David Westerman, North Dakota State University, & Xialing Lin, Penn State University
- 4) **Robosex: Can the Uncanny Valley help us understand sex with machines?** Brad A Haggadone, University of Texas at Austin
- 5) **With or against each other? How a virtual agent's (non-)cooperative nonverbal and actual decision-making behavior influences user's cooperation behavior in the Prisoners' dilemma.** Carolin Straßmann, University Duisburg-Essen, Astrid Rosenthal-von der Pütten, University Duisburg-Essen, Nicole C. Krämer, University Duisburg-Essen
- 6) **Journalism in the Era of Human-Computer Interaction: A Systematic Literature Review.** Claudia Silva, Madeira Interactive Technologies Institute, & Nuno Jardim Nunes, Madeira Interactive Technologies Institute
- 7) **Bedroom Bots: The Future of Human-Robot Relationships.** Riley Richards, University of Wisconsin, Milwaukee
- 8) **Supporting Self-Disclosure about Adverse Childhood Experiences using Virtual Human Interviewers.** Rachel Kornfield, University of Wisconsin-Madison, Rosaleena, Mohanty, University of Wisconsin-Madison, & Ornella Hills, University of Wisconsin-Madison
- 9) **Algorithmic editors in the public sphere: Personalization and centralization in Google News recommendations.** Efrat Nechushtai, Columbia University
- 10) **Humanoid Robot Tutoring Times Tables: Robot's Communication Style and Pupils' Educational Ability.** Konijn, E.A., Vrije Universiteit Amsterdam, Hoorn, J.F., Vrije Universiteit Amsterdam, & Zarchin, P., Vrije Universiteit Amsterdam
- 11) **The Other: An exploration of relationship effect from alternative embodied forms in social virtual worlds.** Donna Z. Davis, University of Oregon
- 12) **Your Wires Are Showing: Emotional Appraisal as a Mindfulness Trigger in Human-Machine.** Brett Stoll, Cornell University

- 13) **Ummm...A Robot that Communicates with Vocal Fillers has...Uhhh Greater Social Presence and Communication Competence.** Henry Goble, Western Michigan University, & Chad Edwards, Western Michigan University.

Rough Draft