

# Hannah A. Klautke, Ph.D.

University Outreach and Engagement  
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## Experience

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### **User Experience Research Associate** 2016-Present

*Usability/Accessibility Research and Consulting, University Outreach and Engagement, MSU, East Lansing, MI*

Usability evaluations, focus groups, and information architecture projects for internal and external clients

### **Education Research Associate** Jan 2016-May 2016

*Department of Counseling, Educational Psychology & Special Education, Michigan State University*

Qualitative and quantitative research on education interventions

### **Ph.D. Student, Educational Psychology and Educational Technology** Aug 2010-Dec 2015

*College of Education, Michigan State University*

- Instructor and Graduate Teaching Assistant for 6 different undergraduate and M.A. courses
- Research Affiliate – Linnenbrink-Garcia Lab, College of Education, focusing on student motivation and achievement in flipped classrooms
- Doctoral Study Abroad Fellow – Office of Study Abroad
- Research Assistant – Cognitive Development Lab, College of Education
- Language Immersion Program Development Fellow – Residential College of the Arts and Humanities
- Language Proficiency Mentor – Residential College of the Arts and Humanities
- Interdisciplinary Inquiry and Teaching Fellow – James Madison Residential College
- Mentor and Tutor – Student-Athlete Support Services
- Graduate Assistant – Master in Educational Technology (MAET) program

### **Ph.D. Student, Communication** Aug 2007-July 2010

*College of Communication Arts & Sciences, Michigan State University*

- Instructor and Graduate Teaching Assistant for 10 different undergraduate communication courses
- Graduate Research Assistant in areas of health, organizational, and computer-mediated communication

## Research Interests

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- Usability evaluation of websites, mobile applications, systems and processes
- Augmented reality for spatial reasoning development

- Robotic telepresence and effects of autonomous movement on communication outcomes
- User motivation and engagement in cooperative learning online
- Interventions based on Cognitive Flexibility Theory for reading to learn on the web
- Student motivation and achievement in flipped classrooms (recorded lectures and active in-class learning)
- Employee perceptions of organizational health promotion initiatives

## Publications and Presentations

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### Publications

**Klautke, H. A.**, & Roseth, C. J. (in preparation). How interpersonal- and classroom communication interventions can affect online cooperative learning: An experimental study.

Spiro, R. S., **Klautke, H. A.**, Cheng, C., & Gaunt, A. (2018). Cognitive flexibility theory and the assessment of 21st-century skills. In C. Secolsky & B. D. Denison (Eds.), *Handbook on Measurement, Assessment, and Evaluation in Higher Education* (2nd ed., pp. 631-637). New York: Routledge.

Ismirle, J., **Klautke, H. A.**, Swierenga, S. J., & O'Connell, L. (2017). Teleconsultation process for physicians working with ASD patients: Insights from a usability evaluation. *Lecture notes in Computer Science, 10290*, 1-13.

Ismirle, J., **Klautke, H. A.**, Swierenga, S. J., & O'Connell, L. (2017). Teleconsultation process for physicians working with ASD patients: Insights from a usability evaluation. In A. Marcus and W. Wang (Eds.), *DUXU 2017, Part III. LNCS, 10290*, 632–644. doi:10.1007/978-3-319-58640-3\_45

Spiro, R. J., **Klautke, H. A.**, & Johnson, A., (2015). All bets are off: How certain kinds of reading to learn on the Web are totally different from what we learned from research on traditional text comprehension and learning from text. In M. DeSchryver, M. Schira-Hagerman, P. Morsink, & P. Thompson (Eds.), *Reading at a crossroads: Disjunctures and continuities in conceptions and practices of reading in the 21st century* (pp. 45-51). New York: Routledge.

**Klautke, H. A.**, & Park, H. S. (2011). Regulating employees' health behaviors: The effects of personal health-related orientations on legitimacy perceptions of organizational programs and policies. *International Journal of Business Science and Applied Management, 6*(1), 1-15.

Park, H. S., Lee, S. A., Hong, S., Cherry, J., Kang, F. Y., Yun, D., & **Klautke, H. A.** (2010). Smoke-free workplace policies and organizational attraction. *Global Journal of Health Science, 2*(1), 96-105.

### Presentations

**Klautke, H. A.**, Bell, J., Freer, D., Cheng, C., & Cain, W. (2018, July). *Bridging the gulfs: Modifying an educational augmented reality app to account for target users' age differences*. Paper accepted for presentation at the Annual Human Computer Interaction International conference, Las Vegas, NV.

Bell, J., Cheng, C., **Klautke, H. A.**, Cain, W., Hinds, T. (2018, June). *A study of augmented reality for the development of spatial reasoning ability*. Paper accepted for presentation at the annual meeting of the American Society for Engineering Education, Salt Lake City, Utah

Bell, J., **Klautke, H. A.**, Cheng, C., Freer, D., Hinds, T. (2017, June). *Using augmented reality to develop mental rotation abilities*. Poster presented at the Annual meeting of the American Society for Engineering Education, Columbus, OH.

- Klautke, H. A., & Roseth, C. J.** (2016, August). *Effects of descriptive norms and cooperative partner messages on online cooperative learning*. Paper accepted for presentation at the Annual meeting of the American Psychological Association, Denver, CO.
- Lee, Y. K., Rosenberg, J. M., Robinson, K. A., **Klautke, H. A.**, Seals, C., Ranellucci, J., Saltarelli, W., Linnenbrink-Garcia, L., & Roseth, C. J. (2016, April). *Comparing motivation and achievement in a flipped and traditional classroom: The role of self-regulated learning*. Paper presented at the Annual meeting of the American Educational Research Association, Washington, DC.
- Ranellucci, J., Rosenberg, J. M., **Klautke, H. A.**, Robinson, K. A., Saltarelli, W., Linnenbrink-Garcia, L., & Roseth, C. J. (2016, April). *Achievement goals, behavioral engagement, and achievement in a flipped undergraduate anatomy course*. Paper presented at the Annual meeting of the American Educational Research Association, Washington, DC.
- Klautke, H. A., & Roseth, C. J.** (2016, March). *How interpersonal- and classroom communication interventions can affect online cooperative learning: An experimental study*. Paper presented at the Annual meeting of the Society for Information Technology and Teacher Education, Savannah, GA.
- Roseth, C. J., **Klautke, H. A.**, & Saltarelli, A. J. (2016, March). *Using an asynchronous online cooperative learning platform for learner-motivation related research and practice*. Paper presented at the Annual meeting of the Society for Information Technology and Teacher Education, Savannah, GA.
- Klautke, H. A.** (2015, November). *Technology-based opportunities to foster the drawing of content interconnections in three different teaching contexts*. Poster presented at the Annual meeting of the National Communication Association, Las Vegas, NV.
- Klautke, H. A.** (2015, July). *Effects of cooperation-centric partner messages on learner motivation, engagement and achievement in an asynchronous cooperative learning context*. Poster presented at the International "Living with Media" Summer School, Cologne, Germany.
- Robinson, K., Lee, Y.-K., Rosenberg, J., **Klautke, H. A.**, Seals, C., Ranellucci, J., Wormington, S., Saltarelli, W., Linnebrink-Garcia, L., & Roseth, C. (2015, February). *The flipped classroom for motivation, self-regulation, and achievement in anatomy*. CREATE for STEM Mini-Conference, East Lansing, MI.
- Klautke, H. A.**, (2015, February). Making connections from week to week: Using online discussion content as a knowledge repository. Paper presented at the Graduate Academic Conference, Michigan State University, East Lansing, Michigan.
- Klautke, H. A.** (2012, April). Course development: Communication for sustainability and global problem-solving in the 21st Century. Symposium on Teaching, Learning, and Graduate Education, East Lansing, MI.
- Park, H. S., **Klautke, H. A.**, Lee, S. A., Hong, S., & Kang, Y. F. (2011, November). *Perceived legitimacy of workplace health promotion in Korea: Smoke-free and fitness programs*. Paper presented at the annual convention of the National Communication Association, New Orleans, LA.
- Carr, C. T., **Klautke, H. A.**, Miller, V., & Walther, J. B. (2010, May). *Employers' use of the Internet and new communication technologies to evaluate job applicants: A theoretical agenda*. Paper presented at the Annual meeting of the International Communication Association, Communication and Technology Division, Singapore.
- Klautke, H. A., & Park, H. S.** (2009, November). *Effects of smoking status and health orientation on legitimacy ratings of worksite health programs*. Paper presented at the annual conference of the National Communication Association, Applied Communication Division, Chicago, IL.

Kim, J., **Klautke, H. A.**, & Serota, K. (2009, May). *Effects of relational motivation and age on online self-disclosure: A content analysis of MySpace profile pages*. Paper presented at the annual conference of the International Communication Association, Communication and Technology Division, Chicago, IL.

Park, H. S., Hong, S., Cherry, J., Kang, F. Y., Yun, D., **Klautke, H. A.**, & Lee, S. A., (2009, May). *Organizational attraction, perceived organizational support, and smoke-free workplace policies*. Paper presented at the annual convention of the International Communication Association, Organizational Communication Division, Chicago, IL.

**Klautke, H. A.**, & Park, H. S. (2008, November). *Responses to Worksite Health Programs and Policies*. Paper presented at the annual convention of National Communication Association, Health Communication Division, San Diego, CA.

Park, H. S., Cherry, J., Yun, D., & **Klautke, H. A.** (2008, November). *Smoke-free workplace policy and perceived organizational support*. Paper presented at the annual convention of the National Communication Association, Organizational Communication Division, San Diego, CA.

### Technical Reports

Ismirle, J., **Klautke, H. A.**, Ochoa, C., Swierenga, S. J. (2018, March 30). Fulcrum Publishing Platform Usability Report. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

**Klautke, H. A.**, Ochoa, C., Ismirle, J., Swierenga, S. J. (2018, March 2). The Men Are Now United Program ("MANUP"): A diabetes self-management program for Black men. Focus Groups Report. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

Ismirle, J., **Klautke, H. A.**, Swierenga, S. J. (2017, December 22). JSTOR Website Usability Evaluation Report. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

**Klautke, H. A.**, Ismirle, J., & Swierenga, S. J. (2017, September 29). Michigan Workforce Background Check Child Care: Provider User Interface Usability Evaluation Report. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

Swierenga, S. J., Ismirle, J., & **Klautke, H. A.** (2017, August 31). Michigan Workforce Background Check Child Care System: Focus Group Report. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

Ismirle, J., **Klautke, H. A.**, & Swierenga, S. J. (2017, August 31). High-Level Findings of Hybrid Usability Evaluation of Pathfinder Website. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

O'Bara, I., **Klautke, H. A.**, George, M., Ismirle, J., & Swierenga, S. J. (2017, April 28). *CATA Trip Planner Prototype: Heuristic Evaluation Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

Ismirle, J., Shink, H., **Klautke, H. A.**, O'Bara, I., & Swierenga, S. J. (2017, April 28). *User Feedback on CATA Trip Planner Prototype* (Supplement to Heuristic Evaluation). East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

Ismirle, J., **Klautke, H. A.**, O'Bara, I., George, M., & Swierenga, S. J. (2017, January 13). *CATA Website Usability Evaluation Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

- Ismirle, J., **Klautke, H. A.**, O'Bara, I., & Swierenga, S. J. (2016, December 5). *Gerstacker/Mental Health Knowledge for Youth (MHKY): Information Architecture Findability Study Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.
- Ismirle, J., **Klautke, H. A.**, & Swierenga, S. J. (2016, September 2). *Michigan Workforce Background Check Analyst User Interface Focus Group Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.
- Ismirle, J., **Klautke, H. A.**, O'Bara, I., & Swierenga, S. J. (2016, August 12). *Usability Evaluation of Teleconsultation Process for Physicians working with ASD Patients Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.
- Ismirle, J., O'Bara, I., **Klautke, H. A.**, & Swierenga, S. J. (2016, July 7). *Gerstacker/Mental Health Knowledge for Youth (MHKY) Focus Groups & Card Sorts: Interim Findings*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.
- Ismirle, J., O'Bara, I., **Klautke, H. A.**, & Swierenga, S. J. (2016, April 22). *University Outreach and Engagement Website Redesign: Focus Groups Report*. East Lansing, MI: Michigan State University, Usability/Accessibility Research and Consulting.

#### *Internal Technical Reports*

- Swierenga, S. J., Riebschleger, J., Ismirle, J., & Klautke, H. A. (2016, April 26). *Mental Health for Youth Education website IA design*. Focus group with youth advisors, Saginaw, MI.
- Swierenga, S. J., Riebschleger, J., Ismirle, J., & Klautke, H. A. (2016, May 3). *Mental Health for Youth Education website IA design*. Focus group with youth advisors, East Lansing, MI.

## Teaching and Workshop Presentations

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### Communication Courses and Recitations

- Introduction to Human Communication/Public Speaking (online course, lead instructor)
- Interpersonal Communication Recitation (lead instructor)
- Introduction to Organizational Communication (lead instructor)
- Introduction to Human Communication (lead instructor)
- Intercultural Communication (co-lead instructor)
- Practicum in Communication Research and Instruction (lead instructor/coordinator)
- Methods of Communication Inquiry recitation (lead instructor)
- Introduction to Organizational Communication recitation (lead instructor)
- Introduction to Human Communication recitation (lead instructor)
- Verbal Communication (teaching assistant)
- Integrated Marketing Communications (teaching assistant)
- Introduction to Advertising (teaching assistant)
- Introduction to Public Relations (teaching assistant)

### Educational Psychology and Educational Technology Courses

- Psychology of Learning in School and other settings (online MA course, lead instructor)
- Reflections on Learning (lead instructor)

- Technology, Teaching and Learning across the Curriculum (online MA course, teaching assistant)
- The Nature and Design of Compelling Experiences (online MA course, teaching assistant)
- Cognition and Technology (online doctoral level course, teaching assistant)
- Educational Inquiry (doctoral level course, teaching assistant)
- Augmented reality in education (K-12 teacher workshop presenter)
- Google classroom suite elements for education (K-12 teacher workshop presenter)

### **Additional Teaching Experience**

- Student-Athlete Support Services Academic Mentor and Tutor
- Adult Literacy and ESL Tutor, International Institute (IISTL)
- Graduate Student Instructor Teaching Mentor

### **Professional Organizations**

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- American Psychological Association (APA)
- Human-Computer Interaction International (HCII)
- American Educational Research Association (AERA)
- Society for Information Technology and Teacher Education (SITE)
- National Communication Association (NCA)
- International Communication Association (ICA)

### **Education**

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<b>Ph.D., Communication and Educational Psychology/Educational Technology</b> <i>Michigan State University</i>	2015
<b>M.A., Communication</b> <i>University of Missouri – Saint Louis</i>	2007
<b>B.A., Psychology</b> <i>University of Bonn, Germany</i>	2005