

# KOLINA KOLTAI

PhD Candidate

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## EDUCATION

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- 2020 (Expected) Ph.D., Information Studies, School of Information  
The University of Texas at Austin  
**Dissertation title:** Human Values and Scientific Controversies: Studying Vaccine Attitudes on Social Networking Sites  
**Dissertation Advisor:** Dr. Kenneth R. Fleischmann  
**Committee:** Dr. Yan Zhang, Dr. Amelia Acker, Dr. Eric Meyer, Dr. Talia Stroud (Communication)  
Qualifying Procedure Completed: May 17, 2018  
Dissertation Proposal Defended: April 16, 2019  
Dissertation Defense Expected: April 2020
- 2012 B.A., Psychology & Asian American Studies, Minor: Human Sexuality  
California State University, Northridge  
Cum Laude

## PEER REVIEWED JOURNAL ARTICLES

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- Ma, D., **Koltai, K.**, McManus, R. Y., Bernhardt, A., Correll, J., & Wittenbrink, B. (2018). Race Signaling Features: Identifying Markers of Racial Prototypicality among Asians, Blacks, Latinos, and Whites. *Social Cognition*, 36, 603-625. doi: 10.1521/soco.2018.36.6.603
- Xie, B., Berkley, A., Kwak, J., Fleischmann, K. R., Champion, J., & **Koltai, K.** (2018). End-of-Life Decision Making by Family Caregivers of Persons with Advanced Dementia: A Literature Review of Decision Aids. *SAGE Open Medicine*, 6, 1-9. doi: 10.1177/2050312118777517
- Koltai, K.**, Walsh, C., Jones, B., & Berkelaar, B. L. (2018). Applying Social Network Analysis to Help Identify the Social Support Needs of Adolescent and Young Adult Cancer Patients and Survivors. *Journal of Adolescent and Young Adult Oncology*, 7, 181-186. doi: 10.1089/jayao.2017.0058
- Lyons, J. B., Ho, Nhut, H. T., **Koltai, K.**, Masequesmay, G., Skoog, M., Cacanindin, A., & Johnson, W. (2016). A Trust-Based Analysis of an Air Force Collision Avoidance System: Test Pilots. *Ergonomics in Design: The Quarterly of Human Factors Applications*, 24(1), 9-12. doi:10.1177/1064804615611274 **Best Paper Award**
- Lyons, J., **Koltai, K.**, Ho, N., Johnson, W., Smith, D., & Shively, J. (2016). Engineering Trust in Complex Automated Systems. *Ergonomics in Design: The Quarterly of Human Factors Applications*, 24(1), 13-17. doi:10.1177/1064804615611274

## REFERRED CONFERENCE PROCEEDINGS

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- Verma, N., Fleischmann, K. R., & **Koltai, K.** (2019). Understanding Online Trust and Information Behavior Using Demographics and Human Values. In Taylor N., Christian-Lamb C., Martin M., Nardi B. (Eds),

*Information in Contemporary Society. iConference 2019. Lecture Notes in Computer Science* (pp. 654-665). Washington, DC. doi: 10.1007/978-3-030-15742-5\_62

Verma, N., Fleischmann, K. R., & **Koltai, K.** (2018). Demographic Factors and Trust in Different News Sources. In *Proceedings of the 81st Annual Meeting of the Association for Information Science and Technology*, Vancouver, Canada (pp. 524-533). doi: 10.1002/pr2.2018.14505501057

**Koltai, K.** & Fleischmann, K. R. (2017). Questioning Science with Science: The Evolution of the Vaccine Safety Movement. In *Proceedings of the 80th Annual Meeting of the Association for Information Science and Technology*, Washington, DC (pp. 232-240). doi: 10.1002/pr2.2017.14505401026

Verma, N., Fleischman, K. R., & **Koltai, K.** (2017). Humans Values and Trust in Scientific Journals, Mainstream News, and Fake News. In *Proceedings of the 80th Annual Meeting of the Association for Information Science and Technology*, Washington, DC (pp. 426-435). doi: 10.1002/pr2.2017.14505401046

Lyons, J., Sadler, G., **Koltai, K.**, Battiste, H., Ho, N., Hoffman, L. C., Smith, D., Johnson, W., & Shively, R. (2016). Shaping trust through transparent design: Theoretical and experimental guidelines. In P. Savage-Knepshield & J. Chen (Eds.), *Advances in Human Factors in Robots and Unmanned Systems, Proceedings of the AHFE 2016 International Conference on Human Factors in Robots and Unmanned Systems* (pp. 127-136). Orlando, FL. doi: 10.1007/978-3-319-41959-6\_11

Dao, Q., **Koltai, K.**, Cals, S., Brandt, S., Lachter, J., Matessa, M., Smith, D., Battiste, V., & Johnson, W. (2015). Evaluation of a recommender system for single pilot operations. In T. Ahram, W. Karwowski, & D. Schmorrow (Eds.), *Procedia Manufacturing: Vol. 3. 6<sup>th</sup> International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences* (pp. 3070-3077). doi:10.1016/j.promfg.2015.07.853

**Koltai, K.**, Ho, N., Masequesmay, G., Niedober, D., Skoog, M., Cacanindin, A., Johnson, W., & Lyons, J. (2014). Influence of Cultural, Organizational, and Automation Capability on Human Automation Trust: A Case Study of Auto-GCAS Experimental Test Pilots. *International Conference on Human Computer Interaction in Aerospace* (pp. 1-10). San Jose, CA.

Niedober, D., Ho, N., **Koltai, K.**, Masequesmay, G., Skoog, M., Cacanindin, A., Johnson, W., & Lyons, J. (2014). Influence of Cultural, Organizational, and Automation Capability Factors on Human-Automation Trust: A Case Study of Auto-GCAS Engineers and Developmental History. In Kuosu, M. (Eds.) *Human-Computer Interaction: Application and Services: Vol. 8512. 16<sup>th</sup> International Conference on Human Computer Interaction* (pp. 473-484). doi:10.1007/978-3-319-07227-2\_45

**Koltai, K.**, Ho, N., Masequesmay, G., Niedober, D., Skoog, M., Johnson, W., Cacanindin, A., & Lyons, J. (2014). An Extended Case Study Methodology for Investigating Influence of Cultural, Organizational, and Automation Factors on Human-Automation Trust. In Jones, M., Palanque, P., Schmidt, A., & Grossman, T. (Eds.) *CHI '14 Extended Abstracts on Human Factors in Computing Systems. Association of Computing Machinery Conference on Human Factors in Computing Systems (CHI)* (pp. 885-888). doi: 10.1145/2559206.2559974

## REFEREED CONFERENCE PRESENTATIONS (NO PROCEEDINGS)

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**Koltai, K.** (2020). *Working with the Anti-vaccine community*. To be presented at Science Talk 2020, Portland, OR.

Ho, N., **Koltai, K.**, Masequesmay, G., Cals, S., Sadler, G., Lyons, J., Cacanindin, A., Johnson, W., Skoog, M. (2015). *An Ethnographic-Based Model for Trust Development in Auto-GCAS*. Presented at the American Psychological Association Annual Convention, Toronto, Canada.

Johnson, W., Ho, N., **Koltai, K.**, Lyons, J., & Shively, J. (2015). *Transparency in an Automated Recommender System for Emergency Landings*. Presented at the American Psychological Association Annual Convention, Toronto, Canada.

## REFERRED WORKSHOP PAPERS

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**Koltai, K.**, Flores-Saviaga, C., & Rim, M. (2019). *Ethical Concerns for the Future of Face Recognition Technology and Policy*. Paper to be presented at the Good Systems: Ethical AI for CSCW Workshop, 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing, Austin, TX.

Chang, Y. & **Koltai, K.** (2019). *Online Health Communities and AI: Promise and Concerns*. Paper to be presented at the Good Systems: Ethical AI for CSCW Workshop, 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing, Austin, TX.

**Koltai, K.** (2019). *The Vaccine-Opposed Movement Online: Representation of Alternative Scientific Beliefs*. Paper presented at the Social Science Research Council's Race, Gender, and Toxicity Online Research Workshop, Austin, TX.

Verma, N., Fleischmann, K. R., & **Koltai, K. S.** (2018). *Understanding the Information Experience of Fake News*. Paper presented at the SIG-USE Research Symposium on the Social Informatics of Knowledge, Annual Meeting of the Association for Information Science and Technology, Vancouver, CA.

Fleischmann, K. R., **Koltai, K. S.**, & Verma, N. (2017). *Entitled to your own facts: The social informatics of knowledge in the era of fake news*. Paper presented at the SIG-SI Research Symposium on the Social Informatics of Knowledge, Annual Meeting of the Association for Information Science and Technology, Crystal City, VA.

## REFEREED CONFERENCE POSTERS (IN PROCEEDINGS)

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Fleischmann, K. R., Xie, B., Champion, J. D., Kwak, J., & **Koltai, K.** (2018, October). *Human values and end-of-life decision making: Results from a pilot study of dementia caregivers*. Poster presented at the 2018 82nd Annual Meeting of the Association for Information Science and Technology, Vancouver, Canada, (pp. 801-802). doi: 10.1002/pra2.2018.14505501123

## CONFERENCE POSTERS (NO PROCEEDINGS)

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**Koltai, K.** (2019). *Anti-vax or value safety advocate: Value systems of vaccine dissent*. Poster to be presented at the 3<sup>rd</sup> Annual Graduate Research Showcase, Austin, TX.

**Koltai, K.** & Fleischmann, K. R. (2018, February). *Questioning Science with Science: The Evolution of the Vaccine Safety Movement*. Poster presented at the 2018 St. David's CHPR Conference, Austin, TX. **Graduate Student Poster Award Winner**

Revels, M., Escobedo, P., Folliott, R., **Koltai, K.**, Rees, H., & Ma, D. (2014, February). *The Relationship Between Sexism and Objectification of Sexualized Male and Female Targets*. Poster presented at the 15<sup>th</sup> Annual Convention of the Society of Personality and Social Psychology, Austin, TX.

## TECHNICAL REPORTS

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Lyons, J. B., Ho, N. T., Masequesmay, G., **Koltai, K.**, Johnson, W. W., Skoog, M., & Cacanindin, A. (2015). Trust-based analysis of an Air Force Collision Avoidance System (AFRL-RH-WP-TP-2015-0030). Retrieved from the Defense Technical Information Center: <https://apps.dtic.mil/dtic/tr/fulltext/u2/a631871.pdf>

Ho, N., **Koltai, K.**, & Johnson, W. W. (2014). *An experimental study of the effect of transparency on pilot trust in the emergency landing planner* (FA8650-04-D-6405). Retrieved from the National Aeronautical and Space Administration website: <https://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20190000234.pdf>

## MEDIA

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**Koltai, K.** (2017, September 11). *They Blinded Me with Science*. Austin, TX: KVRX.

## FELLOWSHIPS, PRIZES, AND AWARDS

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Fall 2018	<b>Doctoral Consortium Fellow</b> , Title: Human values and their role in decision making and information assessment in the vaccine debate, Association of Information Science and Technology Annual Conference (\$315)
Fall 2018	<b>Professional Development Award</b> , The University of Texas at Austin (\$500)
2018 – 2019	<b>University Graduate Continuing Fellowship</b> , The University of Texas at Austin (\$40,000)
Summer 2018	<b>Graduate School Summer Fellowship</b> , The University of Texas at Austin (\$8,953)
Spring 2018	<b>Graduate Student Poster Award (Runner up)</b> , St. David's CHPR Conference (\$150)
2017 – 2018	<b>William and Margaret Kilgarlin Endowed Scholarship</b> , The University of Texas at Austin (\$1,500)
Fall 2017	<b>Best Article of the Year in Ergonomics in Design</b> , 2016 for "A Trust-Based Analysis of an Air Force Collision Avoidance System: Test Pilots"
Fall 2017	<b>Professional Development Award</b> , The University of Texas at Austin (\$500)

2017 – 2018	<b>Benonine Muse Scholarship</b> , The University of Texas at Austin (\$1,000)
Fall 2016	<b>Vara Martin Daniel Regents Professorship in Libraries, Archives, and Information Studies Fellowship</b> , The University of Texas at Austin (\$12,489)
2015 – 2016 & 2016 – 2017	<b>Dr. Lee-hsai Hsu Ting Endowed Graduate Fellowship</b> , The University of Texas at Austin (\$2,500) & (\$2,500)
2013 – 2014	<b>Minority Biomedical Research Support – Research Initiative for Scientific Enhancement (MBRS-RISE) Fellowship</b> , California State University Northridge (\$16,500)
Fall 2013	<b>Graduate Equity Fellowship</b> , California State University Northridge (\$1,000)
Fall 2013	<b>Society of Personality and Social Psychology (SPSP) Graduate Travel Award</b> , SPSP (\$500)

## GRANTS

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- 2016 – Co-authored NSF Proposal: STS Program, Proposal ID: 1656228, PI: Dr. Kenneth R. Fleischmann (Not Funded)
- 2015 – Co-authored U.S. Department of Defense, Air Force Research Laboratory Grant, Grant No. FA8650-09-D-6939, PI: Dr. Nhut Ho (Funded)

## ADDITIONAL PROFESSIONAL DEVELOPMENT

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Summer 2019	<b>Oxford Internet Institute (OII) Summer Doctoral Programme</b> , University of Oxford
Summer 2019	<b>Consortium for the Science of Sociotechnical Systems (CSST) Summer Research Institute</b> , Rutgers University
Spring 2019	<b>Digital Media Research Center (DMRC) Doctoral Summer School Program</b> , Queensland University of Technology

## INVITED TALKS, LECTURES, PANELS, AND PRESENTATIONS

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Summer 2019	“Human Values and Scientific Controversies: Studying Vaccine Attitudes on Social Networking Sites” - Oxford Internet Institute (OII) Summer Doctoral Programme, University of Oxford
Spring 2018	“To PhD or Not PhD” [Panel] – The University of Texas at Austin, School of Information
Fall 2017	“PhD Program Information Session” [Panel] – The University of Texas at Austin, School of Information

Summer 2017      “Interpreting Information and Decision Making” – Slack, Inc.

## RESEARCH POSITIONS AND APPOINTMENTS

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### Industry

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Summer 2017      **Slack, Inc.**, User Research Intern – San Francisco, CA

Summer 2016      **Earnest, Inc.**, User Research Intern– San Francisco, CA

January 2014 –  
June 2015      **National Aeronautics and Space Administration (NASA) Ames Research Center (ARC)**, Flight Deck Display Research Laboratory, Human Systems Integration Division – Sponsored through San Jose State University – Supported through Human Automated Teaming Systems and Air Force Research Laboratory, Research Associate – Moffett Field, CA

### Academia

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Spring 2017      **Graduate Research Assistant**, The University of Texas at Austin, School of Nursing (under Dr. Bo Xie)

Fall 2016      **Graduate Research Assistant**, The University of Texas at Austin, School of Information (under Dr. Kenneth R. Fleischmann)

Summer 2012 -  
Fall 2013      **Research Assistant**, California State University Northridge, Systems Engineering Research Laboratory (under Dr. Nhut Ho)

Summer 2012 -  
Fall 2013      **Research Assistant**, California State University Northridge, Stereotype and Intergroup Prejudice Laboratory (under Dr. Debbie Ma)

## TEACHING EXPERIENCE

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Fall 2019      **Assistant Instructor (Instructor of Record)**, The University of Texas at Austin  
INF 303D: Academic Success in the Digital University

Fall 2018      **Guest Lecturer**, The University of Texas at Austin  
INF 384H: Concepts of Information Retrieval

Summer 2018      **PhD Teaching Fellow**, iSchool Inclusion Institute (i3), University of Pittsburgh  
Research Methods

Spring 2018      **Assistant Instructor (Instructor of Record)**, The University of Texas at Austin  
INF 303D: Academic Success in the Digital University

Spring 2018 & Fall 2018	<b>Guest Lecturer</b> , The University of Texas at Austin INF 385T: Introduction to Machine Learning
Fall 2017	<b>Graduate Teaching Assistant</b> , The University of Texas at Austin INF 385T: Data Wrangling INF 388L: Professional Experience and Project INF 380E: Perspectives on Information INF 380C: Information in Social and Cultural Context (2 sections)
Fall 2016	<b>Graduate Teaching Assistant</b> , The University of Texas at Austin INF 385T: Access & Care of Indigenous Cultural Knowledge INF 382D: Introduction to Information Resources and Services
Spring 2016	<b>Graduate Teaching Assistant</b> , The University of Texas at Austin INF 384D: Collection Management INF 389J: Appraisal and Selection of Records INF 383H: Introduction to Digital Humanities INF 393C.11: Treatment Techniques for Bound Materials
Fall 2015	<b>Graduate Teaching Assistant</b> , The University of Texas at Austin INF 387C: Managing Information Organizations INF 385T: Photographic Materials in Cultural Heritage Institutions INF 392E: Materials in Libraries, Archives, and Museums INF 385T: Information Modeling

## ACADEMIC SERVICE

### Reviewer

2019	iConference 2020
2019	ASIS&T SIG - Social Informatics 15 <sup>th</sup> Annual Social Informatics Research Symposium & Best Paper
2018	iConference 2019

### Committees

2019 – 2020	Co-Chair Elect, ASIS&T SIG - Social Informatics
2019 – 2020	Webmaster, ASIS&T SIG – Social Media
2018 – 2019	Program Committee Member, ASIS&T SIG - Social Informatics
2018 – 2019	Communications Chair, ASIS&T SIG - Social Informatics

### University Committees

2017 – 2019	Doctoral Studies Committee Member, The University of Texas at Austin
2015 – 2018	iSchool Doctoral Student Association (iDSA) Coordinator, The University of Texas at Austin