

## Kurt Luther, Ph.D.

CONTACT	Virginia Tech Academic Building One (AB1) 3625 Potomac Ave., Alexandria, VA 22305 USA	Email: <a href="mailto:kluther@vt.edu">kluther@vt.edu</a> Web: <a href="http://crowd.cs.vt.edu">http://crowd.cs.vt.edu</a>
CITIZENSHIP	United States of America	
RESEARCH INTERESTS	Human-computer interaction (HCI), human-AI collaboration, intelligent user interfaces, crowdsourcing, social computing, computer-supported cooperative work (CSCW).	
EDUCATION	<b>Georgia Institute of Technology (Georgia Tech)</b> , Atlanta, Ga. Ph.D. in Human-Centered Computing, focus in Social Computing, 2006–2012 Dissertation: <i>Supporting and Transforming Leadership in Online Creative Collaboration</i> Committee: Amy Bruckman (chair), Ellen Do, Eric Gilbert, Scott Counts, Wendy Kellogg <b>Purdue University</b> , West Lafayette, Ind. B.S. in Computer Graphics Technology, minor in Art & Design, 2002–2006	
EXPERIENCE	<b>Virginia Polytechnic Institute and State University (Virginia Tech)</b> , Blacksburg, Va. Associate Professor (with tenure), Department of Computer Science, 2020–Present Founding Faculty Member, Innovation Campus, 2022–Present Director, Crowd Intelligence Lab, 2014–Present Assistant Professor, Department of Computer Science, 2014–2020 <b>The Photo Sleuth Foundation, Inc.</b> , Arlington, Va. Co-Founder and President, 2024–Present <b>The Bulls Run Group, LLC</b> , Bethesda, Md. Consultant, 2023–Present <b>Virginia Military Institute</b> , Lexington, Va. Adjunct Professor, Department of Computer and Information Sciences, 2021–Present <b>Virginia Department of Military Affairs</b> , Richmond, Va. Cyber Officer, 31 <sup>st</sup> Cyber Battalion, Virginia Defense Force, 2021–Present <b>Military Images Magazine</b> , Arlington, Va. Senior Editor and Columnist, 2020–Present Contributing Editor and Columnist, 2014–2020 <b>Carnegie Mellon University</b> , Pittsburgh, Pa. Postdoctoral Fellow, Human-Computer Interaction Institute, 2012–2014 Co-advisors: Steven Dow and Aniket Kittur <b>YouTube (Google)</b> , San Bruno, Calif. User Experience Research Intern, Summer 2010 Mentor: Sasha Lubomirsky <b>Newgrounds.com, Inc.</b> , Glenside, Pa. Web Development Intern, Summer 2009 <b>Microsoft Research</b> , Redmond, Wash. Research Intern, Social Computing Group and VIBE Group, Summer 2008 Mentor: Scott Counts <b>IBM Thomas J. Watson Research Center</b> , Hawthorne, N.Y. Research Intern, Social Computing Group, Summer 2007 Mentors: Jason Ellis and Wendy Kellogg	
CERTIFICATIONS	NW3C Certified Cyber Crime Intelligence Analyst, 2024 NW3C Certified Cyber Crime Investigator, 2024	

CompTIA Security+ Certification, 2024  
SGAUS Basic Cyber Defense Specialist, 2024  
Virginia Army National Guard Cyber Security Assessment Analyst, 2022  
SGAUS Basic Military Emergency Management Specialist, 2022  
GIAC Open Source Intelligence (GOSI) Certification, 2021  
Amazon Web Services (AWS) Certified Cloud Practitioner, 2021

AWARDS &  
HONORS

**External Awards & Honors**

AAAI HCOMP Best Poster/Demo Award (#1 poster/demo of 22 submissions), 2023  
National Science Foundation I-Corps Southwest Node People's Choice Award, 2022  
2<sup>nd</sup> Place (Team Captain), SGAUS National Cyber Competition, 2022  
ACM Senior Member, 2020  
ACM IUI Best Paper Award (#1 paper of 282 submissions), 2019  
AAAI HCOMP Best Poster/Demo Award (#1 poster/demo of 25 submissions), 2019  
Purdue University Outstanding Technology Alumni Award, 2019  
American Civil War Museum Emerging Scholar, 2019  
Microsoft Cloud AI Research Challenge Grand Prize (\$25,000 award), 2018  
AAAI HCOMP Best Poster/Demo Award (#1 poster/demo of 31 submissions), 2018  
ACM Recognition of Service Award, 2018  
National Science Foundation CAREER Award, 2017  
AAAI HCOMP Notable Paper Award (#2 paper of 83 submissions), 2017  
Army Historical Foundation Distinguished Writing Awards Finalist, 2015  
ACM CSCW Best Paper Award (top 1% of 390 submissions), 2013  
ACM CSCW Best Paper Honorable Mention Award (top 5% of 415 submissions), 2012  
ACM CHI Golden Mouse Award (for most entertaining video), 2009  
Indiana University Barwise Fellowship for Doctoral Studies in Informatics, 2006 (declined)

**Internal Awards & Honors**

Virginia Tech College of Engineering Dean's Award for Excellence in Outreach, 2024  
Virginia Tech College of Engineering Faculty Fellow (\$15,000 award), 2021–2024  
Virginia Tech College of Engineering Outstanding New Assistant Professor Award, 2018  
Virginia Tech ICTAS Junior Faculty Award (\$80,000 award), 2018  
Virginia Tech TLOS XCaliber Award Finalist (for technology-enriched teaching), 2016  
Virginia Tech Center for HCI Research Impact Award, 2015  
Georgia Tech James D. Foley Scholar (\$5,000 award), 2011  
Purdue University Graduation with Highest Distinction and Departmental Honors, 2006  
Purdue University Perfect 4.0 GPA Recognition Award, 2006  
Purdue University Academic Success Award (\$11,100 merit scholarship), 2002–2006

FUNDING

**Total funding as PI/Co-PI: \$6,622,264; Personal share: \$1,820,864**

**External Funding (Total: \$6,381,709)**

Co-PI, "SMC IV," DoD, subcontract via Norwich University, 2024–2026; Amount: \$1,099,932.

PI, "OSINT and generative AI for cyber vulnerability assessment," Commonwealth Cyber Initiative Southwest Virginia (Workforce & Industry Engagement Program), 2024; Amount: \$9,205.

Co-PI, "Experiencing Civil War history through augmented reality: Soldiers, civilians, and the environment at Pamplin Historical Park," NEH MT-290202-23 (DPP: Prototyping), 2023–2025; Amount: \$98,519.

Senior Personnel, "SMC III," DoD, subcontract via Norwich University, 2023; Amount: \$17,277.

Co-PI, "Project Maven," DoD, subcontract via Carnegie Mellon University, 2022–2023; Amount: \$750,000.

PI, “Transforming investigative science and practice with expert-led crowdsourcing,” NSF IIS-1651969 (CAREER), 2017–2023; Amount: \$554,628. REU supplements: \$8,000 (2018); \$16,000 (2019).

Co-PI, “ESHAEP,” DoD, subcontract via University of Southern California, 2018–2022; Amount: \$1,374,830.

PI, “Historical photo identification with crowdsourcing and automated face recognition,” NSF TI-2221733 (I-Corps), 2022; Amount: \$49,309.

Co-PI, “Mission Engineering,” DoD, subcontract via Stevens Institute of Technology, 2021–2022; Amount: \$100,000.

PI, “Exploring the impact of human-AI collaboration on open source intelligence (OSINT) investigations of social media disinformation,” Commonwealth Cyber Initiative H-4Q21-010 (The Role of Cybersecurity in the Spread of Disinformation and Misinformation), 2021–2022; Amount: \$65,000.

Co-PI, “Experiencing Civil War history through augmented reality: Soldiers, civilians, and the environment at Pamplin Historical Park,” NEH MD-277054-21 (DPP: Discovery), 2021–2022; Amount: \$30,000.

Co-PI, “ASED,” DoD, subcontract via University of Southern California, 2020–2022; Amount: \$200,000.

Co-PI, “The American Soldier in World War II,” NEH PW-264049-19 (HCRR: Implementation), 2019–2021; Amount: \$349,864.

Co-PI, “Threat Beacon,” DoD, subcontract via VT-ARC, 2020; Amount: \$250,850.

MPI (i.e., joint PI), “GraphCrowd: Using crowdsourced design to visualize effects of environmental chemicals on signaling networks,” NIH 1UH2CA203768-01 (Big Data to Knowledge), 2016–2019; Amount: \$626,159.

Co-PI, “Supporting crowdsourced sensemaking in big data with dynamic context slices,” NSF IIS-1527453 (Cyber-Human Systems), 2015–2019; Amount: \$500,000. REU supplements: \$16,000 (2018); \$16,000 (2019).

PI, “Civil War Photo Sleuth,” Microsoft Cloud AI Research Challenge Grand Prize, 2018; Amount: \$25,000.

Co-PI, “The American Soldier collaborative digital archive,” NEH PW-253766-17 (HCRR: Foundations), 2017–2018; Amount: \$50,000.

PI, “Graduate Student Symposium at the 2017 ACM Conference on Creativity & Cognition,” NSF IIS-1723306 (Cyber-Human Systems), 2017; Amount: \$25,252.

Co-PI, “Mapping the Fourth of July in the American Civil War Era: A crowdsourced digital archive,” National Historical Publications and Records Commission DH50013-15, 2015–2017; Amount: \$74,224.

Senior Personnel, “Crowd-augmented search and sensemaking,” Google Faculty Research Award, 2014; Amount: \$75,660. (115/691 = 16.6% acceptance rate)

#### **Internal Funding (Total: \$333,491)**

Co-PI, “Virginia Tech Public Interest Technology (PI-Tech) Collaborative,” Virginia Tech Destination Areas 2.0 Phase I Planning and Development Grant, 2024; Amount: \$25,000.

PI, “Creativity and innovation at the intersection of technology, art, and history,” Virginia Tech ICAT Research Leave Augmentation Award, 2022; Amount: \$70,000.

PI, “Faculty Fellowship,” Virginia Tech College of Engineering, 2021–2024; Amount: \$15,000.

Co-PI, ISERC Grant, Virginia Tech Integrated Security Destination Area, 2021–2022; Amount: \$10,000.

PI (Faculty Advisor), “Crowd intelligence software project,” Luther and Alice Hamlett Undergraduate Research Scholarship, 2021; Amount: \$2,000.

PI, “Preparing under-represented students for data science careers with open source intelligence training,” Virginia Tech Data & Decisions Grant, 2020–2021; Amount: \$15,000. (3/12 = 25% acceptance rate)

PI, “Augmenting computer vision with crowdsourcing to identify people in historical and modern photographs,” Virginia Tech ICTAS Junior Faculty Award, 2018–2020; Amount: \$80,000. (12/72 = 16.7% acceptance rate)

PI, “CAREER Incentive Grant,” Virginia Tech College of Engineering, 2017–2022; Amount: \$40,000.

PI, “Equipment Grant,” SCHEV, 2018; Amount: \$6,111.

PI, “Incentive Reward Fund,” Virginia Tech Department of Computer Science, 2017; Amount: \$7,000.

Co-PI, “VTArtWorks,” Virginia Tech ICAT SEAD Major Initiative, 2016; Amount: \$25,000.

PI, “Incentive Reward Fund,” Virginia Tech Department of Computer Science, 2016; Amount: \$3,500.

PI, “Designing software and community participation for crowdsourced history research,” Virginia Tech ICAT SEAD Mini-grant, 2016; Amount: \$2,880.

PI, “Incentive Reward Fund,” Virginia Tech Department of Computer Science, 2015; Amount: \$2,500.

Joint PI, “Supporting community information sharing with mobile crowdsourcing and large display technologies,” Virginia Tech Center for HCI Seed Grant, 2015; Amount: ≈\$15,000.

PI, “New Assistant Professor Mentoring Grant,” Virginia Tech Office of the Executive Vice President and Provost, 2015; Amount: \$1,500.

PI, “Supporting crowdsourced sensemaking in big data with context slices,” Virginia Tech ICTAS Seed Grant, 2014; Amount: \$10,000.

PI, “Supporting leadership development and reflection through creative social computing,” Virginia Tech ICAT SEAD Mini-grant, 2014; Amount: \$3,000.

#### PUBLICATIONS

**Google Scholar citations: 2187; h-index: 23; i10-index: 39**

Note: Asterisks indicate a student\* or postdoc\*\* (co-)advised by Kurt Luther.

#### Books and Book Chapters

1. Mia Ridge, Samantha Blickhan, Meghan Ferriter, Austin Mast, Ben Brumfield, Brendon Wilkins, Daria Cybulska, Denise Burgher, Jim Casey, Kurt Luther, Michael Haley Goldman, Nick White, Pip Willcox, Sara Carlstead Brumfield, Sonya J. Coleman, and Ylva Berglund Prytz. 2021. *The Collective Wisdom Handbook: Perspectives on Crowdsourcing in Cultural Heritage*.
2. Amy Bruckman, Kurt Luther, and Casey Fiesler. 2015. When should we use real names in published accounts of internet research? In *Digital Research Confidential: The Secrets of Studying Behavior Online*, Eszter Hargittai and Christian Sandvig (eds.). MIT Press, Cambridge, Mass., USA, 243–258.

#### Refereed Archival Journal Articles

3. Sara Alsalamah, Shada Alsalamah, Hessah A. Alsalamah, Haytham A. Sheera, Kurt Luther, and Chang-Tien Lu. 2025. Virtual Healthcare Bot (VHC-Bot): A Person-Centered AI Chatbot for Transforming Patient Care and Healthcare Workforce Dynamics. To appear in *Network Modeling Analysis in Health Informatics and Bioinformatics* (2.0 impact factor)

4. Fei Shan\* and [Kurt Luther](#). 2025. Reexamining technological support for genealogy research, collaboration, and education. *Proceedings of the ACM on Human-Computer Interaction* 9, 2, Article CSCW155 (April 2025), 33 pages.
5. Matthew Wilchek\*, [Kurt Luther](#), and Feras A. Batarseh. 2025. Ajna: A wearable shared perception system for extreme sensemaking. *ACM Transactions on Interactive Intelligent Systems* 15, 1, Article 1 (March 2025), 29 pages. (3.6 impact factor)
6. Anirban Mukhopadhyay\*, Sukrit Venkatagiri\*, and [Kurt Luther](#). 2024. OSINT Research Studios: A flexible crowdsourcing framework to scale up open source intelligence investigations. *Proceedings of the ACM on Human-Computer Interaction* 8, CSCW1, Article 105 (April 2024), 38 pages.
7. Marx Boyuan Wang, Md Momen Bhuiyan, Eugenia Ha Rim Rho, [Kurt Luther](#), and Sang Won Lee. 2024. Understanding the relationship between user identity and self-expression through animated GIFs on social media. *Proceedings of the ACM on Human-Computer Interaction* 8, CSCW1, Article 192 (April 2024), 30 pages.
8. Andreea Sistrunk, Nathan Self, Subhodip Biswas, [Kurt Luther](#), Nervo Verdezoto, and Naren Ramakrishnan. 2024. Redistrict: Online public deliberation support that connects and rebuilds inclusive communities. *Proceedings of the ACM on Human-Computer Interaction* 8, CSCW1, Article 116 (April 2024), 23 pages.
9. Vikram Mohanty\* and [Kurt Luther](#). 2023. DoubleCheck: Designing community-based assessability for historical person identification. *ACM Journal on Computing and Cultural Heritage* 16, 4, Article 79 (December 2023), 27 pages. (2.1 impact factor)
10. Matthew Wilchek\*, Will Hanley, Jude Lim\*, [Kurt Luther](#), and Feras Batarseh. 2023. Human-in-the-loop for computer vision assurance: A survey. *Engineering Applications of Artificial Intelligence* 123, Part B, Article 106376 (August 2023), 15 pages. (7.5 impact factor)
11. Aditya Bharadwaj\*, David Gwizdala\*, Yoonjin Kim, [Kurt Luther](#), and T. M. Murali. 2022. Flud: A hybrid crowd-algorithm approach for visualizing biological networks. *ACM Transactions on Computer-Human Interaction* 29, 1, Article 8 (February 2022), 53 pages. (4.8 impact factor)
12. Sukrit Venkatagiri\*, Aakash Gautam, and [Kurt Luther](#). 2021. CrowdSolve: Managing tensions in an expert-led crowdsourced investigation. *Proceedings of the ACM on Human-Computer Interaction* 5, CSCW1, Article 118 (April 2021), 30 pages.
13. Vikram Mohanty\*, David Thames\*, Sneha Mehta\*, and [Kurt Luther](#). 2020. Photo Sleuth: Identifying historical portraits with face recognition and crowdsourced human expertise. *ACM Transactions on Interactive Intelligent Systems* 10, 4, Article 33 (December 2020), 36 pages. (3.6 impact factor) (Invited submission)
14. Sukrit Venkatagiri\*, Jacob Thebault-Spieker\*\*, Rachel Kohler\*, John Purviance\*, Rifat Sabbir Mansur\*, and [Kurt Luther](#). 2019. GroundTruth: Augmenting expert image geolocation with crowdsourcing and shared representations. *Proceedings of the ACM on Human-Computer Interaction* 3, CSCW, Article 107 (November 2019), 30 pages. (205/658 = 31.2% acceptance rate)
15. Tianyi Li\*, Chandler J. Manns\*, Chris North, and [Kurt Luther](#). 2019. Dropping the baton? Understanding errors and bottlenecks in a crowdsourced sensemaking pipeline. *Proceedings of the ACM on Human-Computer Interaction* 3, CSCW, Article 136 (November 2019), 26 pages. (205/658 = 31.2% acceptance rate)
16. Nai-Ching Wang\*, David Hicks, Paul Quigley, and [Kurt Luther](#). 2019. Read-Agree-Predict: A crowdsourced approach to discovering relevant primary sources for historians. *Human Computation* 6, 1 (October 2019), 147–175.
17. Maoyuan Sun, Jian Zhao, Hao Wu, [Kurt Luther](#), Chris North, and Naren Ramakrishnan. 2019. The effect of edge bundling and seriation on sensemaking of biclusters in bipartite

graphs. *IEEE Transactions on Visualization and Computer Graphics* 25, 10 (October 2019), 2983–2998. (4.7 impact factor)

18. Nai-Ching Wang\*, David Hicks, and Kurt Luther. 2018. Exploring trade-offs between learning and productivity in crowdsourced history. *Proceedings of the ACM on Human-Computer Interaction* 2, CSCW, Article 178 (November 2018), 24 pages. (289/1107 = 26.1% acceptance rate)
19. Tianyi Li\*, Kurt Luther, and Chris North. 2018. CrowdIA: Solving mysteries with crowdsourced sensemaking. *Proceedings of the ACM on Human-Computer Interaction* 2, CSCW, Article 105 (November 2018), 29 pages. (289/1107 = 26.1% acceptance rate)
20. Aditya Bharadwaj\*, Divit P. Singh\*, Anna Ritz, Allison N. Tegge, Christopher L. Poirel, Pavel Kraikovski, Neil Adames, Kurt Luther, Shiv D. Kale, Jean Peccoud, John J. Tyson, and T. M. Murali. 2017. GraphSpace: stimulating interdisciplinary collaborations in network biology. *Bioinformatics* 33, 19 (October 2017), 3134–3136. (4.4 impact factor)

### Refereed Archival Papers in Conference Proceedings

21. Vikram Mohanty\*, Jude Lim\*, and Kurt Luther. 2025. What Lies Beneath? Exploring the Impact of Underlying AI Model Updates in AI-Infused Systems. In *Proceedings of the 43<sup>rd</sup> ACM Conference on Human Factors in Computing Systems (CHI '25)*, April 26–May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA, Article 539, 1–21. (1249/5020 = 24.9% acceptance rate)
22. Anirban Mukhopadhyay\* and Kurt Luther. 2025. OSINT Clinic: Co-Designing AI-Augmented Collaborative OSINT Investigations for Vulnerability Assessment. In *Proceedings of the 43<sup>rd</sup> ACM Conference on Human Factors in Computing Systems (CHI '25)*, April 26–May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA, Article 868, 1–22. (1249/5020 = 24.9% acceptance rate)
23. Matthew Wilchek\*, Linhan Wang, Sally Dickinson, Erica Feuerbacher, Kurt Luther, and Feras A. Batarseh. 2025. KHAIT: K-9 handler artificial intelligence teaming for collaborative sensemaking. In *Proceedings of the 30<sup>th</sup> ACM Conference on Intelligent User Interfaces (IUI '25)*, March 24–27, 2025, Cagliari, Italy. ACM, New York, NY, USA, 925–937. (97/387 = 25.1% acceptance rate)
24. Mariam ALMutairi, Lulwah AIKulaib, Shengkun Wang, Zhiqian Chen, Youssif ALMutairi, Thamer M. Alenazi, Kurt Luther, and Chang-Tien Lu. 2024. FHIRViz: Multi-agent platform for FHIR visualization to advance healthcare analytics. In *Proceedings of the 15<sup>th</sup> ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (BCB '24)*, November 22–25, 2024, Shenzhen, China. ACM, New York, NY, USA, Article 38, 1–7. (71/204 = 34.8% acceptance rate)
25. Jude Lim\*, Vikram Mohanty\*, Terry Dodson\*, and Kurt Luther. 2023. BackTrace: A human-AI collaborative approach to discovering studio backdrops in historical photographs. In *Proceedings of the 11<sup>th</sup> AAAI Conference on Human Computation and Crowdsourcing (HCOMP '23)*, November 6–9, 2023, Delft, Netherlands. AAAI, Washington, DC, USA, 91–102. (18/64 = 28.1% acceptance rate)
26. Vikram Mohanty\* and Kurt Luther. 2023. Photo Steward: A deliberative collective intelligence workflow for validating historical archives. In *Proceedings of the 11<sup>th</sup> ACM Collective Intelligence Conference (CI '23)*, November 6–9, 2023, Delft, Netherlands. ACM, New York, NY, USA, 34–52. (7/29 = 24.1% acceptance rate)
27. Sukrit Venkatagiri\*, Anirban Mukhopadhyay\*, David Hicks, Aaron Brantly, and Kurt Luther. 2023. CoSINT: Designing a collaborative capture the flag competition to investigate misinformation. In *Proceedings of the 18<sup>th</sup> ACM Designing Interactive Systems Conference (DIS '23)*, July 10–14, 2023, Pittsburgh, PA, USA. ACM, New York, NY, USA, 2551–2572. (173/726 = 23.8% acceptance rate)

28. Jacob Thebault-Spieker\*\*, Sukrit Venkatagiri\*, Naomi Mine, and [Kurt Luther](#). 2023. Diverse perspectives can mitigate political bias in crowdsourced content moderation. In *Proceedings of the 6<sup>th</sup> ACM Conference on Fairness, Accountability, and Transparency (FAcCT '23)*, June 12–15, 2023, Chicago, IL, USA. ACM, New York, NY, USA, 1280–1291. (154/608 = 25.3% acceptance rate)
29. Andreea Sistrunk, Nathan Self, Subhodip Biswas, James A. Egenrieder, [Kurt Luther](#), Adriana Glenn, and Naren Ramakrishnan. 2023. Redrawing public school boundaries: An intersection of geography, education policy, and computer science. In *Proceedings of the 21<sup>st</sup> European Conference on Computer-Supported Cooperative Work (ECSCW '23)*, June 5–9, 2023, Trondheim, Norway. EUSSET, Siegen, Germany, 21 pages.
30. Tianjiao Yu\*, Sukrit Venkatagiri\*, Ismini Lourentzou, and [Kurt Luther](#). 2023. Sedition Hunters: A quantitative study of the crowdsourced investigation into the 2021 U.S. Capitol attack. In *Proceedings of the 32<sup>nd</sup> ACM Web Conference (WWW '23)*, April 30–May 4, 2023, Austin, TX, USA. ACM, New York, NY, USA, 3849–3858. (365/1900 = 19.2% acceptance rate)
31. Manisha Kusuma\*, Vikram Mohanty\*, Marx Wang\*, and [Kurt Luther](#). 2022. Civil War Twin: Exploring ethical challenges in designing an educational face recognition application. In *Proceedings of the 5<sup>th</sup> AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIIES '22)*, August 1–3, 2022, Oxford, UK. ACM, New York, NY, USA, 369–384. (79/235 = 33.6% acceptance rate)
32. Yasmine Belghith\*, Sukrit Venkatagiri\*, and [Kurt Luther](#). 2022. Compete, collaborate, investigate: Exploring the social structures of open source intelligence investigations. In *Proceedings of the 40<sup>th</sup> ACM Conference on Human Factors in Computing Systems (CHI '22)*, April 30–May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, Article 129, 1–18. (638/2579 = 24.7% acceptance rate)
33. Tianyi Li\*, Yasmine Belghith\*, Chris North, and [Kurt Luther](#). 2020. CrowdTrace: Visualizing provenance in distributed sensemaking. In *Proceedings of the 31<sup>st</sup> IEEE Visualization Conference (VIS '20)*, October 25–30, 2020, Salt Lake City, UT, USA. IEEE, Los Alamitos, CA, USA, 191–195. (59/164 = 36.0% acceptance rate)
34. Vikram Mohanty\*, Kareem Abdol-Hamid\*, Courtney Ebersohl\*, and [Kurt Luther](#). 2019. Second Opinion: Supporting last-mile person identification with crowdsourcing and face recognition. In *Proceedings of the 7<sup>th</sup> AAAI Conference on Human Computation and Crowdsourcing (HCOMP '19)*, October 28–30, 2019, Skamania Lodge, WA, USA. AAAI, Washington, DC, USA, 86–96. (22/87 = 25.3% acceptance rate)
35. Aditya Bharadwaj\*, Pao Siangliulue, Adam Marcus, and [Kurt Luther](#). 2019. Critter: Augmenting creative work with dynamic checklists, automated quality assurance, and contextual reviewer feedback. In *Proceedings of the 37<sup>th</sup> ACM Conference on Human Factors in Computing Systems (CHI '19)*, May 4–9, 2019, Glasgow, UK. ACM, New York, NY, USA, Article 539, 1–12. (705/2960 = 23.8% acceptance rate)
36. Vikram Mohanty\*, David Thames\*, Sneha Mehta\*, and [Kurt Luther](#). 2019. Photo Sleuth: Combining human expertise and face recognition to identify historical portraits. In *Proceedings of the 24<sup>th</sup> ACM Conference on Intelligent User Interfaces (IUI '19)*, March 16–20, 2019, Los Angeles, CA, USA. ACM, New York, NY, USA, 547–557. (71/282 = 25.2% acceptance rate) (**Best Paper Award**)
37. Divit P. Singh\*, Lee Lisle\*, T. M. Murali, and [Kurt Luther](#). 2018. CrowdLayout: Crowdsourced design and evaluation of biological network visualizations. In *Proceedings of the 36<sup>th</sup> ACM Conference on Human Factors in Computing Systems (CHI '18)*, April 21–26, 2018, Montréal, Canada. ACM, New York, NY, USA, Article 232, 1–14. (666/2592 = 25.7% acceptance rate)
38. Rachel Kohler\*, John Purviance\*, and [Kurt Luther](#). 2017. Supporting image geolocation with diagramming and crowdsourcing. In *Proceedings of the 5<sup>th</sup> AAAI Conference on*

*Human Computation and Crowdsourcing (HCOMP '17)*, October 24–26, 2017, Québec City, Canada. AAAI, Washington, DC, USA, 98–107. (24/83 = 28.9% acceptance rate)  
**(Notable Paper Award)**

39. Alvin Yuan, Kurt Luther, Markus Krause, Sophie Isabel Vennix\*, Steven P. Dow, and Björn Hartmann. 2016. Almost an expert: The effects of rubrics and expertise on perceived value of crowdsourced design critiques. In *Proceedings of the 19<sup>th</sup> ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '16)*, February 27–March 2, 2016, San Francisco, CA, USA. ACM, New York, NY, USA, 1005–1017. (142/571 = 24.9% acceptance rate)
40. Kurt Luther, Nathan Hahn, Steven P. Dow, and Aniket Kittur. 2015. Crowdlines: Supporting synthesis of diverse information sources through crowdsourced outlines. In *Proceedings of the 3<sup>rd</sup> AAAI Conference on Human Computation and Crowdsourcing (HCOMP '15)*, November 8–11, 2015, San Diego, CA, USA. AAAI, Washington, DC, USA, 110–119. (21/70 = 30.0% acceptance rate)
41. Kurt Luther, Jari-Lee Tolentino\*, Wei Wu, Amy Pavel, Brian P. Bailey, Maneesh Agrawala, Björn Hartmann, and Steven P. Dow. 2015. Structuring, aggregating, and evaluating crowdsourced design critique. In *Proceedings of the 18<sup>th</sup> ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '15)*, March 14–18, 2015, Vancouver, Canada. ACM, New York, NY, USA, 473–485. (165/575 = 28.7% acceptance rate)
42. Justin B. Cranshaw, Kurt Luther, Patrick Gage Kelley, and Norman Sadeh. 2014. Curated City: Capturing individual city guides through social curation. In *Proceedings of the 32<sup>nd</sup> ACM Conference on Human Factors in Computing Systems (CHI '14)*, April 26–May 1, 2014, Toronto, Canada. ACM, New York, NY, USA, 3249–3258. (465/2043 = 22.8% acceptance rate)
43. Kurt Luther, Casey Fiesler, and Amy Bruckman. 2013. Redistributing leadership in online creative collaboration. In *Proceedings of the 16<sup>th</sup> ACM Conference on Computer Supported Cooperative Work (CSCW '13)*, February 23–27, 2013, San Antonio, Texas, USA. ACM, New York, NY, USA, 1007–1022. (139/390 = 35.6% acceptance rate) **(Best Paper Award)**
44. Paul André, Michael Bernstein, and Kurt Luther. 2012. Who Gives a Tweet?: Evaluating microblog content value. In *Proceedings of the 15<sup>th</sup> ACM Conference on Computer Supported Cooperative Work (CSCW '12)*, February 11–15, 2012, Seattle, WA, USA. ACM, New York, NY, USA, 471–474. (164/415 = 39.5% acceptance rate) **(Best Paper Honorable Mention Award)**
45. Kurt Luther, Kelly Caine, Kevin Ziegler\*, and Amy Bruckman. 2010. Why it works (when it works): Success factors in online creative collaboration. In *Proceedings of the 16<sup>th</sup> ACM Conference on Supporting Group Work (GROUP '10)*, November 7–10, 2010, Sanibel Island, FL, USA. ACM, New York, NY, USA, 1–10. (36/101 = 35.6% acceptance rate)
46. Kurt Luther, Scott Counts, Kristin B. Stecher, Aaron Hoff, and Paul Johns. 2009. Pathfinder: An online collaboration environment for citizen scientists. In *Proceedings of the 27<sup>th</sup> ACM Conference on Human Factors in Computing Systems (CHI '09)*, April 4–9, 2009, Boston, MA, USA. ACM, New York, NY, USA, 239–248. (277/1130 = 24.5% acceptance rate)
47. Brian Magerko, Waleed Manzoul, Mark Riedl, Allan Baumer, Daniel Fuller, Kurt Luther, and Celia Pearce. 2009. An empirical study of cognition and theatrical improvisation. In *Proceedings of the 7<sup>th</sup> ACM Conference on Creativity and Cognition (C&C '09)*, October 26–30, 2009, Berkeley, CA, USA. ACM, New York, NY, USA, 117–126. (34/137 = 24.8% acceptance rate)
48. Kurt Luther and Amy Bruckman. 2008. Leadership in online creative collaboration. In *Proceedings of the 12<sup>th</sup> ACM Conference on Computer Supported Cooperative Work*

(CSCW '08), November 8–12, 2008, San Diego, CA, USA. ACM, New York, NY, USA, 343–352. (86/370 = 23.2% acceptance rate)

49. Jason B. Ellis, [Kurt Luther](#), Katherine Bessi ere, and Wendy A. Kellogg. 2008. Games for virtual team building. In *Proceedings of the 7<sup>th</sup> ACM Conference on Designing Interactive Systems (DIS '08)*, February 25–27, 2008, Cape Town, South Africa. ACM, New York, NY, USA, 295–304. (52/152 = 34.2% acceptance rate)
50. Nicholas Diakopoulos, [Kurt Luther](#), and Irfan Essa. 2008. Audio Puzzler: Piecing together time-stamped speech transcripts with a puzzle game. In *Proceedings of the 16<sup>th</sup> ACM Conference on Multimedia (MM '08)*, October 26–31, 2008, Vancouver, Canada. ACM, New York, NY, USA, 865–868. (80/236 = 33.9% acceptance rate)
51. Youn-ah Kang, John Stasko, [Kurt Luther](#), Avinash Ravi, and Yan Xu. 2008. RevisiTour: Enriching the tourism experience with user-generated content. In *Proceedings of the International Conference on Information and Communication Technologies in Tourism (ENTER '08)*, January 23–25, 2008, Innsbruck, Austria. Springer, Vienna, Austria, 59–69.
52. Nicholas Diakopoulos, [Kurt Luther](#), Yevgeniy (Eugene) Medynskiy, and Irfan Essa. 2007. The evolution of authorship in a remix society. In *Proceedings of the 18<sup>th</sup> ACM Conference on Hypertext and Hypermedia (HT '07)*, September 10–12, 2007, Manchester, UK. ACM, New York, NY, USA, 133–136. (33% acceptance rate)

#### Lightly Reviewed Non-Archival Workshop & Position Papers

53. Anirban Mukhopadhyay\* and [Kurt Luther](#). 2025. Tailoring generative AI to augment creative leadership in Capture-the-Flag development. *CHI 2025 Workshop on Tools for Thought: Research and Design for Understanding, Protecting, and Augmenting Human Cognition with Generative AI*, Yokohama, Japan. 5 pages. (34/68 = 50% acceptance rate)
54. Matthew Wilchek\*, Linhan Wang, Feras A. Batarseh, and [Kurt Luther](#). 2024. KHAIT: K-9 Handler Artificial Intelligence Teaming for collaborative sensemaking. *CHI 2024 Workshop on Sensemaking: What Is It Today?*, Honolulu, Hawaii, USA. 6 pages.
55. Fei Shan\* and [Kurt Luther](#). 2023. Community-driven AI support for genealogy research. *CSCW 2023 Workshop on Community-Driven AI*, virtual event. 3 pages.
56. Anirban Mukhopadhyay\*, Sukrit Venkatagiri\*, and [Kurt Luther](#). 2023. Developing collaboration and competition skills in a crowd of student OSINT investigators. *CSCW 2023 Workshop on Supporting Workers in Developing Effective Collaboration Skills for Complex Work*, Minneapolis, Minn., USA. 6 pages.
57. Anirban Mukhopadhyay\*, Sukrit Venkatagiri\*, and [Kurt Luther](#). 2022. Towards designing a flexible expert-led crowdsourcing framework for investigating misinformation. *CHI 2022 Workshop on Designing Credibility Tools to Combat Mis/Disinformation: A Human-Centered Approach*, New Orleans, La., USA. 2 pages.
58. Sukrit Venkatagiri\*, Vikram Mohanty\*, Tianjiao Yu\*, and [Kurt Luther](#). 2021. Seditio Hunters: Countering extremism through collective action. *CSCW 2021 Workshop on Addressing Challenges and Opportunities in Online Extremism Research: An Interdisciplinary Perspective*, virtual event. 6 pages.
59. Vikram Mohanty\*, Marx Wang\*, Manisha Kusuma\*, David Thames\*, and [Kurt Luther](#). 2020. Find your twin in history: Exploring ethical design challenges in facial recognition. *CSCW 2020 Workshop on Beyond Checklist Approaches to Ethics in Design*, virtual event. 6 pages.
60. [Kurt Luther](#). Solving AI's last-mile problem with crowd-augmented expert work. 2019. *AAAI Fall Symposium on Artificial Intelligence and Work (FSS 2019)*, Arlington, Va., USA. 5 pages. (Invited submission)

61. Sukrit Venkatagiri\*, Jacob Thebault-Spieker\*\*, and [Kurt Luther](#). 2019. Designing for coordinated action: Challenges and opportunities of working with experts. *CSCW 2019 Workshop on Mapping the “How” of Collaborative Action*, Austin, Tx., USA. 5 pages.
62. Aditya Bharadwaj\*, David Gwizdala\*, Yoonjin Kim, [Kurt Luther](#), and T.M. Murali. 2019. Flud: A hybrid crowd-algorithm approach for visualizing biological networks. *CHI 2019 Workshop on Where is the Human? Bridging the Gap Between AI and HCI*, Glasgow, UK. 4 pages.
63. Tianyi Li\*, Asmita Shah\*, [Kurt Luther](#), and Chris North. 2018. Crowdsourcing intelligence analysis with context slices. *CHI 2018 Workshop on Sensemaking in a Senseless World*, Montréal, Canada. 12 pages. (21% acceptance rate for full presentations)
64. Sukrit Venkatagiri\*, Jacob Thebault-Spieker\*\*, Aliza Camacho\*, and [Kurt Luther](#). 2018. Localness and urbanness in geographic crowd work. *CSCW 2018 Workshop on Rural Computing: Beyond Access & Infrastructure*, Jersey City, N.J., USA. 7 pages.
65. Rachel Kohler\*, John Purviance\*, and [Kurt Luther](#). 2017. GroundTruth: Bringing together experts and crowds for image geolocation. *HCOMP 2017 2<sup>nd</sup> GroupSight Workshop on Human Computation for Image and Video Analysis*, Quebec City, Canada. 4 pages.
66. Sneha Mehta\*, Chris North, and [Kurt Luther](#). 2016. An exploratory study of human performance in image geolocation tasks. *HCOMP 2016 GroupSight Workshop on Human Computation for Image and Video Analysis*, Austin, Tx., USA. 4 pages.
67. [Kurt Luther](#), Andrea Kavanaugh, and Michael Horning. 2015. Supporting local news sharing with mobile crowdsourcing and large display technologies. *CSCW 2015 Workshop on Information Technology in City Life*, Vancouver, Canada. 2 pages.
68. [Kurt Luther](#), Steven Dow, and Aniket Kittur. 2014. How can crowdsourcing help individuals learn? *CSCW 2014 Workshop on Designing Futures for Peer-to-Peer Learning*, Baltimore, Md., USA. 4 pages.
69. [Kurt Luther](#). 2011. Fast, accurate, and brilliant: Realizing the potential of crowdsourcing and human computation. *CHI 2011 Workshop on Crowdsourcing and Human Computation*, Vancouver, Canada. 4 pages.
70. Paul André, m.c. schraefel, Alan Dix, Ryen W. White, Michael Bernstein, and [Kurt Luther](#). 2010. Designing for Schadenfreude (or, how to express well-being and see if you're boring people). *CHI 2010 Workshop on Microblogging: What and How Can We Learn From It?*, Atlanta, Ga., USA. 4 pages.
71. Sarita Yardi, [Kurt Luther](#), Nicholas Diakopoulos, and Amy Bruckman. 2008. Opening the black box: Four views of transparency in remix culture. *CSCW 2008 Workshop on Tinkering, Tailoring, & Mashing: The Social and Collaborative Practices of the Read-Write Web*, San Diego, Calif., USA. 4 pages.
72. Jason B. Ellis, [Kurt Luther](#), Katherine Bessiere, and Wendy A. Kellogg. 2008. Games for virtual team building. *CSCW 2008 Workshop on Supporting Distributed Team Work*, San Diego, Calif., USA. 10 pages.
73. [Kurt Luther](#) and Nicholas Diakopoulos. Distributed creativity. 2007. *C&C 2007 Workshop on Supporting Creative Acts Beyond Dissemination*, Washington, D.C., USA. 6 pages.

**Lightly Reviewed Non-Archival Conference Papers (demos, posters, videos, extended abstracts, etc.)**

74. Vikram Mohanty\*, Jude Lim\*, Terry Dodson\*, and [Kurt Luther](#). Behind the canvas: A human-AI workflow for tracing 19th-century photographers and studio backdrops. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2023)*, Delft, Netherlands. (Poster, Demo) (**Best Poster/Demo Award**)
75. Andreea Sistrunk, Nathan Self, Subhodip Biswas, [Kurt Luther](#), Nervo Verdezoto, and Naren Ramakrishnan. Redistrict: Designing a self-serve interactive boundary optimization

- system. *ACM Conference on Designing Interactive Systems (DIS 2023)*, Pittsburgh, Pa., USA. (Demo)
76. Andreea Sistrunk, Subhodip Biswas, Nathan Self, [Kurt Luther](#), and Naren Ramakrishnan. 2022. Redistricting Practices in Public Schools: Social Progress or Necessity? *European Conference on Computer-Supported Cooperative Work (ECSCW 2022)*, Coimbra, Portugal. (Poster)
  77. Vikram Mohanty\* and [Kurt Luther](#). 2021. Double-checking history: Designing assessable systems for historical photo identification. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2021)*, virtual event. (Demo)
  78. Liling Yuan\*, Vikram Mohanty\*, and [Kurt Luther](#). 2021. SleuthTalk: Identifying historical photos with intelligent shortlists, private collaboration, and structured feedback. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2021)*, virtual event. (Demo)
  79. Vikram Mohanty\*, David Thames\*, Sneha Mehta\*, and [Kurt Luther](#). 2020. Supporting historical photo identification with face recognition and crowdsourced human expertise (extended abstract). In *Proceedings of the 29<sup>th</sup> International Joint Conference on Artificial Intelligence (IJCAI '20)*, 4755–4759. (Invited submission)
  80. Sukrit Venkatagiri\*, Jacob Thebault-Spieker\*\*, Sarwat Kazmi\*, Efua Akonor\*, and [Kurt Luther](#). 2019. It's QuizTime: A study of online verification practices on Twitter. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2019)*, Stevenson, Wash., USA. (Poster)
  81. Jacob Thebault-Spieker\*\*, Sukrit Venkatagiri\*, David Mitchell\*, Chris Hurt\*, and [Kurt Luther](#). 2019. PairWise: Mitigating political bias in crowdsourced content moderation. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2019)*, Stevenson, Wash., USA. (Demo, Poster) (**Best Poster/Demo Award**)
  82. Aditya Bharadwaj\*, David Gwizdala\*, Yoonjin Kim, [Kurt Luther](#), and T.M. Murali. 2019. Flud: A hybrid crowd-algorithm approach for visualizing biological networks. *BioVis COSI at ISMB 2019*, Basel, Switzerland. (Talk, Poster)
  83. Jill M. Derwin, Valerie A. Thomas, Randolph H. Wynne, S. Seth Peery, John Coulston, [Kurt Luther](#), Greg Liknes, and Stacie Bender. 2019. Validating the national-scale remote sensing models using crowdsourced observations. *21<sup>st</sup> William T. Pecora Memorial Remote Sensing Symposium (Pecora 21) and 38<sup>th</sup> International Symposium on Remote Sensing of Environment (ISRSE-38)*, Baltimore, Md., USA. (Talk)
  84. Vikram Mohanty\*, David Thames\*, and [Kurt Luther](#). 2018. Are 1,000 features worth a picture? Combining crowdsourcing and face recognition to identify Civil War soldiers. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2018)*, Zurich, Switzerland. (Demo, Poster) (**Best Poster/Demo Award**)
  85. Vikram Mohanty\*, David Thames\*, and [Kurt Luther](#). 2018. Photo Sleuth: Combining collective intelligence and computer vision to identify historical portraits. *ACM Conference on Collective Intelligence (CI 2018)*, Zurich, Switzerland. (Talk) (32% acceptance rate for oral presentations)
  86. Rachel Kohler\*, John Purviance\*, and [Kurt Luther](#). 2018. Geolocating images with crowdsourcing and diagramming. In *Proceedings of the 27<sup>th</sup> International Joint Conference on Artificial Intelligence (IJCAI '18)*, 5299–5303. (Invited submission)
  87. Sukrit Venkatagiri\*, Jacob Thebault-Spieker\*\*, and [Kurt Luther](#). 2018. Verifying truth from the ground: Leveraging human strengths in the image geolocation process. *Human-Computer Interaction Consortium (HCIC 2018) Conference*, Watsonville, Calif., USA. (Poster)
  88. Jill M. Derwin, Valerie A. Thomas, Randolph H. Wynne, S. Seth Peery, John Coulston, [Kurt Luther](#), Greg Liknes, and Stacie Bender. 2018. Validating the 2011 and 2016 NLCD Tree

Canopy Cover products using crowdsourced interpretations. *American Geophysical Union (AGU) Fall Meeting 2018*, Washington, D.C., USA. (Poster)

89. Aditya Bharadwaj\*, Divit P. Singh\*, Anna Ritz, Alison N. Tegge, Christopher L. Poirel, Pavel Kraikivski, Neil Adames, Kurt Luther, Shiv D. Kale, Jean Peccoud, John J. Tyson, and T. M. Murali. 2017. GraphSpace: Stimulating interdisciplinary collaborations in network biology. *BOSC COSI at ISMB 2017*, Prague, Czech Republic. (Talk)
90. Rachel Kohler\* and Kurt Luther. 2017. Crowdsourced image geolocation as collective intelligence. *Collective Intelligence 2017*, New York, N.Y., USA. (Poster)
91. Kurt Luther, Amy Pavel, Wei Wu, Jari-lee Tolentino\*, Maneesh Agrawala, Björn Hartmann, and Steven P. Dow. 2014. CrowdCrit: Crowdsourcing and aggregating visual design critique. *ACM Conference on Computer Supported Cooperative Work (CSCW 2014)*, Baltimore, Md., USA. (Demo)
92. Kurt Luther, Nicholas Diakopoulos and Amy Bruckman. 2010. Edits & credits: Exploring integration and attribution in online creative collaboration. *ACM Conference on Human Factors in Computing Systems (alt.chi 2010)*, Atlanta, Ga., USA. (Talk) (Invited submission)
93. Michael Bernstein, Paul André, Kurt Luther, Erin Treacy Solovey, Erika S. Poole, Sharoda A. Paul, Shaun K. Kane, and Jonathan Grudin. 2009. CHistory. *ACM Conference on Human Factors in Computing Systems (CHI 2009)*, Boston, Mass., USA. (Video) (**Most Entertaining Video Award**)
94. Kurt Luther and Amy Bruckman. 2009. Flash collabs: Collaborative innovation networks in online communities of animators. *Conference on Collaborative Innovation Networks (COINS 2009)*, Savannah, Ga., USA. (Talk)
95. Kurt Luther, Kevin Ziegler\*, Kelly E. Caine, and Amy Bruckman. 2009. Predicting successful completion of online collaborative animation projects. *ACM Conference on Creativity and Cognition (C&C 2009)*, Berkeley, Calif., USA. (Poster)
96. Kurt Luther, Matthew Flaschen\*, Andrea Forte, Christopher Jordan, and Amy Bruckman. 2009. Provelt: A new tool for supporting citation in MediaWiki. *International Symposium on Wikis and Open Collaboration (WikiSym 2009)*, Orlando, Fla., USA. (Demo)

#### Magazine Articles

Author of 41 “Photo Sleuth” articles published in *Military Images* (2015–Present). Indexed on JSTOR: <https://www.jstor.org/journal/militaryimages>

Kurt Luther. Human computation for image and video analysis. 2018. *AI Magazine* 39, 4: 67–68. (Invited submission)

Kurt Luther and Amy Bruckman. 2011. Leadership and success factors in online creative collaboration. *IEEE Potentials* 30, 5: 27–32. (Invited submission)

#### Technical Reports & Preprints

Edward J.K. Gitre and Kurt Luther. 2018. The American Soldier collaborative digital archive. White paper for grant PW-253766-17, National Endowment for the Humanities. 34 pages.

Alvin Yuan, Kurt Luther, Marcus Krause, Steven P. Dow, and Björn Hartmann. 2015. Worker expertise and expert rubrics in crowdsourced design critique. UCB/EECS-2015-223, University of California, Berkeley. 14 pages.

Wei Wu, Kurt Luther, Amy Pavel, Björn Hartmann, Steven P. Dow, and Maneesh Agrawala. 2013. CrowdCritic: Strategies for crowdsourcing visual design critique. UCB/EECS-2013-95, University of California, Berkeley. 36 pages.

Nicholas Diakopoulos, Kurt Luther, Yevgeniy “Eugene” Medynskiy, and Irfan Essa. 2007. Remixing authorship: Reconfiguring the author in online video remix culture. GIT-IC-07-05, Georgia Institute of Technology. 10 pages.

## Other Publication

Kurt Luther, Andrea Kavanaugh, Jacob Thebault-Spieker\*\*\*, and Judd Antin. 2020. Introduction to the special issue on negotiating truth and trust in socio-technical systems. *ACM Transactions on Social Computing* 3, 1: 1:1–1:2.

## Workshops & Panels Co-Organized

Kurt Luther, Vikram Mohanty\*, Benjamin C.G. Lee, and Ioanna Lykourantzou. 2024. Past Meets Future: Human-AI interaction for digital history and cultural heritage. *29<sup>th</sup> ACM Conference on Intelligent User Interfaces (IUI 2024)*, Greenville, S.C., USA.

Nitesh Goyal, Sungsoo Ray Hong, Regan L. Mandryk, Toby Jia-Jun Li, Kurt Luther, and Dakuo Wang. 2023. SHAI 2023: Workshop on designing for safety in human-AI interactions. *28<sup>th</sup> ACM Conference on Intelligent User Interfaces (IUI 2023)*, Sydney, Australia.

Aaron Brantly, Charles Clancy, Chad Levinson, and Kurt Luther. 2019. Social computing and its impact on intelligence. *Emerging Trends: New Tools, Threats, and Thinking*, Arlington, Va., USA.

Nai-Ching Wang\*, David Cline, David Hicks, Kurt Luther, Kelly McPherson, Craig Perrier, and Paul Quigley. 2018. The design, development and implementation of funded transdisciplinary digital history projects: Illustrative cases of K-16 collaboration in action. *132<sup>nd</sup> Annual Meeting of the American Historical Association (AHA 2018)*, Washington, D.C., USA.

Danna Gurari, Kurt Luther, Geneviève Patterson, and Steve Branson. 2017. GroupSight: The 2<sup>nd</sup> workshop on human computation for image and video analysis. *5<sup>th</sup> AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2017)*, Québec City, Canada.

Paul Quigley, Kurt Luther, David Hicks, Daniel Newcomb, and Nai-Ching Wang\*. 2016. New directions for inquiry: Citizen student archivists crowdsourcing the past. *96<sup>th</sup> Annual Conference of the National Council for the Social Studies (NCSS 2016)*, Washington, D.C., USA.

David Hicks, Kurt Luther, and Paul Quigley. 2016. Crowdsourcing the history of American Independence Day in Civil War-era Virginia. *2016 Virginia Forum*, Williamsburg, Va., USA.

Eric Cook, Kurt Luther, Dan Perkel, and Jeff Bardzell. 2011. The creativity agenda in the iSchool context. *6<sup>th</sup> International iConference 2011*, Seattle, Wash., USA.

Jenn Thom-Santelli, Eric Cook, Kurt Luther, Amy Bruckman, Jeff Bardzell, and David McDonald. 2010. Approaching “amateur.” *16<sup>th</sup> ACM Conference on Supporting Group Work (GROUP 2010)*, Sanibel Island, Fla., USA.

Dan Perkel, Lyndsay Grant, Becky Herr-Stephenson, and Kurt Luther. 2010. Rules of engagement in participatory cultures: Negotiating feedback, audiences and critique in online communities. *Conference on Digital Media and Learning (DML 2010)*, La Jolla, Calif., USA.

David Ayman Shamma, Dan Perkel, and Kurt Luther. 2009. Understanding the creative conversation: Modeling to engagement. *7<sup>th</sup> ACM Conference on Creativity and Cognition (C&C 2009)*, Berkeley, Calif., USA.

## Doctoral Consortia

CHI 2010 Doctoral Consortium, Atlanta, Ga., USA. (26% acceptance rate)

GROUP 2009 Doctoral Consortium, Sanibel Island, Fla., USA.

## Research Camps

I-Corps: National Science Foundation Innovation Corps

National Program, Southwest Node, March 14–April 26, 2022 (**People’s Choice Award**)

Regional Program, Mid-Atlantic Hub, January 4–21, 2022

Agile Research University

Northwestern University, Evanston, Ill., USA, November 27–29, 2017

CrowdCamp: Rapidly Iterating Ideas for Collective Intelligence and Crowdsourcing

HCOMP 2015 Workshop, San Diego, Calif., USA, November 9, 2015

CSCW 2013 Workshop, San Antonio, Tx., USA, February 23–24, 2013

CHI 2012 Workshop, Austin, Tx., USA, May 5–6, 2012

CSST: Summer Research Institute for the Science of Socio-Technical Systems

CSST 2012, Santa Fe, N.M., USA, July 29–August 2, 2012

THATCamp: The Humanities and Technology Camp

Virginia Tech, Blacksburg, Va., USA, April 10–11, 2015

Chatham University, Pittsburgh, Pa., USA, October 5–6, 2013

George Mason University, Fairfax, Va., USA, June 7–8, 2013

#### INVITED TALKS

Applied AI Research Center, Purdue University, 2025

Roanoke (Va.) Civil War Round Table, 2024

Mount Diablo (Calif.) Genealogy Society, 2023

Military Archives Section (MARS), 87<sup>th</sup> Annual Meeting, Society of American Archivists, 2023

Human-in-the-Loop Science Summer Seminar Series, Amazon Web Services, 2023

Virtual Teacher Institute, American Battlefield Trust, 2023

26<sup>th</sup> Annual Family History Institute, Wythe Co. (Va.) Genealogical and Historical Assoc., 2023

Cybersecurity/AI Colloquia, University of North Dakota, 2023

Dept. of Computer Science, Emory University, 2022

Sacred Trust Talks, Gettysburg National Military Park and Gettysburg Foundation, 2022

Behind the Scenes of the City Conference, Stockholm City Museum, 2021

29<sup>th</sup> Annual Civil War Weekend, Virginia Tech, 2021

4<sup>th</sup> IEEE Workshop on Human-in-the-Loop Methods and Future of Work in BigData, 2020

ACM SIGGRAPH Frontiers Talks, 2020

AAAI Fall Symposium on Artificial Intelligence and Work, 2019

CASCI Speaker Series, University of Maryland College Park, 2019

Computational Journalism R&D Lab, The Washington Post, 2019

Machine Learning + Libraries Summit, Library of Congress, 2019

Emerging Scholars Series, American Civil War Museum, 2019

Dept. of Computer and Information Science, IUPUI, 2019

DUB (Design, Use, Build) Seminar, University of Washington, 2019

Dept. of Computer and Information Sciences, Virginia Military Institute, 2018

Bellingcat Open Source Investigation Workshop, 2018

18<sup>th</sup> Annual Image of War Seminar, Center for Civil War Photography, 2018

War Stories: Symposium on Conflict and Civic Engagement, Indiana University, 2018

Segal Distinguished Seminar, Northwestern University, 2017

HCI Seminar, Stanford University, 2017

Crowdsourcing Seminar, Carnegie Mellon University, 2017

Nau Center for Civil War History, University of Virginia, 2016

25<sup>th</sup> Annual Civil War Weekend, Virginia Tech, 2016

HCI Lab, University of Maryland College Park, 2015

Willson Center Digital Humanities Lab, University of Georgia, 2015

Virginia Center for Civil War Studies, Virginia Tech, 2014

Dept. of Computer Science, Virginia Tech, 2014

Engineering Design, Penn State University, 2014

Dept. of Computer Science, University of Illinois at Urbana–Champaign, 2014

Dept. of Computer Science & Engineering, University of Minnesota, 2014

Dept. of Media and Information, Michigan State University, 2014

Dept. of Computer Science, University of Colorado Boulder, 2014

School of Information, University of Michigan, 2013

Crowdsourcing Seminar, Carnegie Mellon University, 2013

Google Research, 2012

Dept. of Computer Graphics Technology, Purdue University, 2012  
GVU Center Brown Bag Seminar, Georgia Tech, 2012  
Social Computing Lab, Carnegie Mellon University, 2012  
MIT Media Lab, 2011

TEACHING

**As Instructor of Record at Virginia Tech**

CS3744: Introduction to GUI Programming and Graphics (undergraduate)  
Spring 2016 (81 students)  
Fall 2016 (57 students)  
Spring 2018 (101 students)  
Fall 2018 (42 students)  
Fall 2019 (65 students)

CS4784: Human-Computer Interaction Capstone (undergraduate)  
Spring 2015 (21 students)

CS4984/PSCI4984/CS5914/CS5984: Open Source Intelligence (undergraduate/graduate)  
Spring 2021 (45 students)  
Fall 2021 (21 students)  
Fall 2024 (21 students)

CS5714/ISE5714: Usability Engineering (graduate)  
Spring 2025 (18 students)

CS5734: Social Computing and Computer-Supported Cooperative Work  
Fall 2025 (TBD students)

CS5774: User Interface Software (graduate)  
Fall 2014 (20 students)  
Fall 2016 (23 students)  
Fall 2018 (23 students)  
Fall 2020 (26 students)  
Fall 2021 (68 students)  
Fall 2023 (69 students)  
Spring 2025 (73 students)

CS6724: Advanced Topics in Human-Computer Interaction (graduate)  
Fall 2015 (9 students); Theme: Crowdsourcing and Human Computation  
Fall 2017 (8 students); Theme: Investigative Technologies in Society  
Spring 2020 (19 students); Theme: Human-AI Interaction  
Spring 2024 (15 students); Theme: Human-AI Interaction

**As Instructor of Record at Virginia Military Institute**

CIS479: Open Source Intelligence (undergraduate)  
Fall 2021 (10 cadets)

**As Graduate Teaching Assistant at Georgia Tech**

CS6470: Design of Online Communities (graduate)  
Spring 2009 (22 students); Instructor: Amy Bruckman

ADVISING &  
MENTORING

**Postdoctoral Associate**

Jacob Thebault-Spieker, 2018–2020  
First employment: Assistant Professor, University of Wisconsin–Madison  
HCOMP Best Demo Award, 2019  
Participant, NSF CSST Summer Research Institute, 2019

## Research Associates

Jing Cui, Software Engineer, 2018 (Co-supervised with T. M. Murali)  
Peter Hauck, Senior Research Scientist, 2017

## Graduate Thesis Advisees

Jared Laney, Ph.D. Computer Science (part-time)

Fei Shan, Ph.D. Computer Science  
Expected graduation: Spring 2026

Anirban Mukhopadhyay, Ph.D. Computer Science  
Expected graduation: Spring 2026  
Pratt Fellowship, 2024–2025  
Software Engineering Intern, Microsoft, 2023  
Software Engineering Intern, Microsoft, 2022

Matthew Wilchek, Ph.D. Computer Science (Co-advised with Feras Batarseh)  
Expected graduation: Fall 2025

Brenna Sermania, M.S. Computer Science

Sakshi Mhatre, M.S. Computer Science (Co-advised with Erin Lanus)  
Graduated Summer 2024  
First employment: Data Scientist, Thompson Gray

Tianjiao Yu, Ph.D. Computer Science (Co-advised with Ismini Lourentzou)  
Co-advised 2021–2024; transferred to University of Illinois at Urbana–Champaign in 2024

Vikram Mohanty, Ph.D. Computer Science  
Graduated Summer 2023  
First employment: Postdoc, Bosch Research North America  
HCOMP Best Demo Award, 2023  
Dr. Dennis G. Kafura Graduate Fellowship in Computer Science, 2023  
Research Intern, Toyota Research Institute, 2022  
Research Intern, VSCO, 2021  
Data Science Intern, Dataminr, 2019  
IUI Best Paper Award, 2019  
HCOMP Best Demo Award, 2018

Jude Lim, M.S. Computer Science  
Graduated Spring 2023  
First employment: Internet/Intranet Web Developer, Fairfax County (Va.) Government  
HCOMP Best Demo Award, 2023

Terryl Dodson, M.S. Computer Science, Virginia Tech  
Graduated Spring 2023  
First employment: Firmware Developer, IBM  
HCOMP Best Demo Award, 2023  
New Horizons Graduate Scholar and GEM Fellow

Sukrit Venkatagiri, Ph.D. Computer Science  
Graduated Fall 2022  
First employment: Postdoc, U. Washington and Assistant Professor, Swarthmore College  
Student Member, ACM CSCW Steering Committee, 2022  
UX Research Intern, Facebook, 2021  
Research Intern, Microsoft Research, 2020  
HCOMP Best Demo Award, 2019  
Graduate Fellow, Rita Allen Foundation Misinformation Solutions Forum, 2018

Manisha Kusuma, M.S. Computer Science  
Graduated Fall 2021  
First employment: Software Engineer, Microsoft

Yasmine Belghith, M.S. Computer Science  
Graduated Spring 2021  
First employment: Human-Centered Computing Ph.D. Student, Georgia Tech

Liling Yuan, M.S. Computer Science  
Graduated Spring 2021  
First employment: Software Engineer, Microsoft

Aditya Bharadwaj, Ph.D. Computer Science (Co-advised with T.M. Murali)  
Graduated Summer 2020  
First employment: Research Scientist, B12  
Participant, HCOMP Doctoral Consortium, 2019  
Research Intern, B12, 2018

Tianyi Li, Ph.D. Computer Science (Co-advised with Chris North)  
Graduated Summer 2020  
First employment: Assistant Professor, Loyola University Chicago  
Participant, CSCW Doctoral Consortium, 2019  
Research Intern, Microsoft Research, 2019  
Pratt Fellow, 2019

Nai-Ching Wang, Ph.D. Computer Science  
Graduated Fall 2018  
First employment: Software Engineer, Akuna Capital  
Participant, HCOMP Doctoral Consortium, 2016  
Finalist, CHI Student Research Competition, 2016

Rachel Kohler, M.S. Computer Science  
Graduated Spring 2017  
First employment: Software Engineer, BNSF Railway  
HCOMP Notable Paper Award, 2017  
William Preston Society Master's Thesis Award (STEM category), 2017

Divit Singh, M.S. Computer Science (Co-advised with T.M. Murali)  
Graduated Spring 2016  
First employment: Software Engineer, Bloomberg

#### **Graduate Research (Non-Thesis) Advisee**

Nicholas Viscuso, M.S. Business Administration — Business Analytics, 2023

#### **Graduate Thesis Committees**

Lance Wilhelm, Ph.D. Computer Science  
Adnan Abbas, Ph.D. Computer Science  
Nouhayla Majdoubi, Ph.D. Collective Intelligence, Mohammed VI Polytechnic University  
Jiahao Xu, Ph.D. Computer Science  
Mariam AlMutairi, Ph.D. Computer Science  
Min Zhang, Ph.D. Computer Science  
Sara Alsalamah, Ph.D. Computer Science  
Xuxin Tang, Ph.D. Computer Science  
Daniel Garrison, Ph.D. Computer Science  
Stephanie Travis, Ph.D. Computer Science  
Eslam Hussein, Ph.D. Computer Science  
Morva Saaty, Ph.D. Computer Science  
PeiQing Guo, M.S. Computer Science (Graduated 2025)  
Donghan Hu, Ph.D. Computer Science (Graduated 2024)  
Kenneth King, M.S. Computer Science (Graduated 2024)

Andreea Sistrunk, Ph.D. Computer Science (Graduated 2024)  
Lulwah Alkulaib, Ph.D. Computer Science (Graduated 2024)  
Jignasu Yagnesh Pathak, M.S. Computer Science (Graduated 2023)  
MD Momen Bhuiyan, Ph.D. Computer Science (Graduated 2023)  
Boyuan (Marx) Wang, M.S. Computer Science (Graduated 2023)  
Zhen Guo, Ph.D. Computer Science (Graduated 2023)  
Stephen Wei-Hao Sun, M.S. Computer Science (Graduated 2022)  
Jill Derwin, Ph.D. Forestry and Remote Sensing (Graduated 2022)  
Leanna Ireland, Ph.D. Sociology (Graduated 2021)  
Juliet Clark, M.S. Computer Science (Graduated 2021)  
Arul Thileeban Sagayam, M.S. Computer Science (Graduated 2021)  
Sushmethaa Muhundan, M.S. Computer Science (Graduated 2021)  
Moeti Masiane, Ph.D. Computer Science (Graduated 2020)  
Zijian Xu, M.S. Computer Science (Graduated 2020)  
Setor Zilevu, M.S. Computer Science (Graduated 2019)  
Sarang Joshi, M.S. Computer Science (Graduated 2018)  
Michael Stewart, Ph.D. Computer Science (Graduated 2018)  
Andrey Esakia, Ph.D. Computer Science (Graduated 2018)  
Katelyn Brown, M.A. History (Graduated 2018)  
Anamary Leal, Ph.D. Computer Science (Graduated 2017)  
Hannah Roth, M.S. Computer Science (Graduated 2017)  
Daniel Newcomb, M.A. History (Graduated 2017)  
Chris Frisina, M.S. Computer Science (Graduated 2016)  
Maoyuan Sun, Ph.D. Computer Science (Graduated 2016)  
Sanchit Chadra, M.S. Computer Science (Graduated 2015)  
Nathan Self, M.S. Computer Science (Graduated 2015)  
Jessica Zeitz Self, Ph.D. Computer Science (Graduated 2016)

#### **Undergraduate Research Advisees and Interns**

*Note: Surnames of Hume Center students are abbreviated for privacy reasons.*

Shreyas Kunaparaju, B.S. Computer Science, Virginia Tech, 2025  
Siddarth Rakshit, B.S. Computer Science, Virginia Tech, 2025  
Sutton Marks, B.S. Secure Computing, Virginia Tech, 2025  
Fernando Branco Moraes, B.S. Secure Computing, Virginia Tech, 2025  
Thomas C., B.S. Computer Science, Virginia Tech, 2023–2024  
Ethan D., B.A. National Security and Foreign Affairs, Virginia Tech, 2023–2024  
Amirah J., B.S. Business Information Technology, Virginia Tech, 2023–2024  
Peyton L., B.S. Computer Science, Virginia Tech, 2023–2024  
Vivien P., B.S. Computer Science, Virginia Tech, 2023–2024  
Sai Krishna Yeshala, B.S. Computer Science, Virginia Tech, 2021  
T.K. T., B.S. Computer Engineering, Virginia Tech, 2021  
Skyler S., B.S. Computer Engineering, Virginia Tech, 2021  
Tyler T., B.S. Computer Engineering, Virginia Tech, 2021  
Ben Z., B.S. Business Information Technology, Virginia Tech, 2021  
Taylor R., B.S. National Security and Foreign Affairs, Virginia Tech, 2021  
Matthew M., B.S. National Security and Foreign Affairs, Virginia Tech, 2021  
Sophia P., B.S. Computer Science, Virginia Tech, 2020–2021  
Raymar R., B.S. Data-Centric Computing, Virginia Tech, 2020–2021  
Yunis H., B.S. Computational Modeling and Data Analytics, Virginia Tech, 2020–2021  
Alex H., B.S. Business Information Technology, Virginia Tech, 2020–2021  
Chris C., B.S. Computer Science, Virginia Tech, 2020–2021  
Ryan B., B.S. Cybersecurity Management and Analytics, Virginia Tech, 2020–2021  
Emily A., B.S. Computer Engineering, Virginia Tech, 2020–2021  
Clarissa M., B.S. National Security and Foreign Affairs, Virginia Tech, 2020–2021  
Mariela J., B.S. Computer Science, Virginia Tech, 2020–2021  
Katie F., B.S. National Security and Foreign Affairs, Virginia Tech, 2020–2021  
Brandon N., B.S. National Security and Foreign Affairs, Virginia Tech, 2020–2021

Boyuan (Marx) Wang, B.S. Data-Centric Computing, Virginia Tech, 2020  
 Xavier Pleimling, B.S. Computer Science & B.S. Mathematics, Virginia Tech, 2020  
 Paul Blackburn, B.S. Computer Science, Virginia Tech, 2020  
 Chanaka Perera, B.S. Computer Science, Virginia Tech, 2020  
 Efua Akonor, B.S. Computer Science, Wellesley College, 2019  
 Sarwat Kazmi, B.S. Information Science & B.A. Government & Politics, U. Maryland, 2019  
 David Mitchell, B.S. Computer Science, UIUC, 2019  
 Puriwat Lahpong, B.S. Computer Science, Virginia Tech, 2019  
 Daniel Ocheltree, B.S. Computer Science, Virginia Tech, 2019  
 Chris Hurt, B.S. Computer Science, Virginia Tech, 2018–2019  
 Chandler Manns, B.S. Computer Science, Virginia Tech, 2018–2019  
 Kareem Abdol-Hamid, B.S. Computer Science, Virginia Tech, 2018  
 Ben Hinkle, B.S. Computer Science, Virginia Tech, 2018  
 Levi Shipley, B.S. Computer Science, Virginia Tech, 2018  
 Aliza Camacho, B.A. Computer Science & B.A. Anthropology, Wellesley College, 2018  
 Ryan Russell, B.S. Computer and Information Science, Virginia Military Institute, 2018  
 Natalie Robinson, B.A. History & B.A. Public Relations, University of Georgia, 2018  
 Anne Hoang, B.S. Computer Science, Virginia Tech, 2018  
 David Thames, B.S. Computer Science, Virginia Tech, 2017–2018  
 Asmita Shah, B.S. Computer Science, Virginia Tech, 2017–2018  
 Shahmir Ahmed, B.S. Computer Science, Virginia Tech, 2017  
 Liyan Li, B.S. Computer Science, Virginia Tech, 2017  
 Caroline Ritchey, B.A. National Security & B.A. History, Virginia Tech, 2017  
 Parker Irving, B.S. Computer Science, Virginia Tech, 2017  
 Allison Collier, B.S. Computer Science, Virginia Tech, 2017  
 Nam Nguyen, B.S. Computer Science, Virginia Tech, 2017  
 David Gwizdala, B.S. Computer Engineering, Virginia Tech, 2016–2017  
 Wenfeng Ren, B.S. Computer Science, Virginia Tech, 2016  
 Melanie Trammell, B.S. Computer Science, Virginia Tech, 2016  
 Zhizheng (Andy) Chen, B.S. Computer Science, Virginia Tech, 2015  
 Amit Dayal, B.S. Computer Science, Virginia Tech, 2015  
 Jared Deiner, B.S. Computer Science, Virginia Tech, 2015  
 Vijay Kuruvilla, B.S. Computer Science, Virginia Tech, 2015  
 Edward McEnrue, B.S. Computer Science, Virginia Tech, 2015  
 Avanti Dabholkar, B.S. HCI & B.Arch. Architecture, CMU, 2013–2014  
 Bhawna Agarwal, B.Design, Indian Institute of Technology Guwahati, 2014  
 Jari-lee (Jay) Tolentino, B.S. Informatics & B.A. Studio Art, UC Irvine, 2013

PROFESSIONAL  
SERVICE

Note: ♦ indicates one Special Recognition for Outstanding Review.

**ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)**

Papers Co-Chair: 2026

Editor (i.e., Papers Subcommittee Co-Chair): 2025

Demos Co-Chair: 2021

Doctoral Consortium Mentor: 2023

Graphic Design Chair & Webmaster: 2010, 11

Associate Chair (Papers): 2015♦, 16♦, 18 [Online First], 20, 25

External Reviewer: 2008, 10, 11, 12, 13, 14, 15, 16, 18, 19, 21, 23

**AAAI Conference on Human Computation and Crowdsourcing (HCOMP)**

Co-Chair, Steering Committee: 2024–Present

Member, Steering Committee: 2022–2024

General and Program Co-Chair: 2021

Works-in-Progress and Demos Co-Chair: 2023 [joint with ACM CI]

Best Paper Committee Member: 2019

Doctoral Consortium Mentor: 2017

Associate Chair (i.e., Senior PC Member): 2019

Program Committee Member: 2016, 17, 24  
Program Committee Member, Workshop on Volunteer-Based Crowdsourcing: 2014

**ACM Conference on Human Factors in Computing Systems (CHI)**

Videos Co-Chair: 2016  
Student Volunteers Co-Chair: 2010  
Associate Chair (Papers): 2020, 21♦♦, 24♦  
Associate Chair (Videos): 2011, 12, 13  
Associate Chair (Works-in-Progress): 2011, 12  
ACM Student Research/Design Competition Juror: 2013, 14  
External Reviewer: 2008, 09, 10, 11, 12, 13, 14♦♦, 15♦♦, 16♦, 17, 18♦, 19, 21

**ACM Collective Intelligence Conference (CI)**

Program Co-Chair: 2018  
Works-in-Progress and Demos Co-Chair: 2023 [joint with AAAI HCOMP]  
Program Committee Member: 2017, 25

**ACM Conference on Creativity & Cognition (C&C)**

Papers Co-Chair: 2019  
Best Paper Committee Chair: 2019  
Graduate Student Symposium Co-Chair: 2017  
Local Arrangements Co-Chair: 2011  
Associate Chair (Papers): 2015  
External Reviewer: 2007, 09, 13, 17

**ACM Conference on Computer Graphics and Interactive Techniques (SIGGRAPH)**

Posters Coordinator: 2012, 13  
Presentations Coordinator, Computer Animation Festival: 2009  
General Submissions & Late Breaking Juror: 2012, 13  
External Reviewer: 2009

**AAAI Conference on Web and Social Media (ICWSM)**

Senior Program Committee Member: 2016  
External Reviewer: 2021

**ACM Conference on Knowledge Discovery and Data Mining (KDD)**

Program Committee Member, Workshop on Data-driven Humanitarian Mapping: 2021

**Conference for Truth and Trust Online (TTO)**

Program Committee Member: 2019

**International Symposium on Open Collaboration (OpenSym)**

Program Committee Member: 2011

**Other External Reviewing**

IEEE Conference on Visual Analytics Science and Technology (VAST): 2018  
ACM Conference on Mobile Human-Computer Interaction (MobileHCI): 2017  
ACM Conference on Designing Interactive Systems (DIS): 2017  
ACM Conference on User Interface Software and Technology (UIST): 2010, 12, 13, 14  
ACM Conference on Ubiquitous Computing (UbiComp): 2012

**Journal Editing**

Associate Editor, *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 2024–Present

*Proceedings of the ACM on Human-Computer Interaction (PACM HCI)*

CSCW Track Co-Chair, 2025–2027

CSCW Track Editorial Board Member, 2024–2026

Lead Guest Editor, Special Issue on Negotiating Truth and Trust in Socio-Technical Systems, *ACM Transactions on Social Computing (TSC)*, 2020

## **Journal or Magazine External Reviewing**

*ACM Journal on Computing and Cultural Heritage*  
*ACM Transactions on Computer–Human Interaction*  
*ACM Transactions on Interactive Intelligent Systems*  
*AI & Society*  
*American Behavioral Scientist*  
*Communications of the ACM*  
*Games and Culture*  
*Human–Computer Interaction*  
*IEEE Computer*  
*Journalism*  
*Proceedings of the ACM on Interactive, Mobile, Wearable, and Ubiquitous Technologies*  
*Transformative Works and Cultures*

## **Book Proposal Reviewing**

Oxford University Press, 2019  
Cambridge University Press, 2017

## **Grant Advisory Board Memberships**

City Faces: Visual culture and social structure in Stockholm, 1880-1930. Swedish Research Council, Rebecka Lennartsson (PI), SEK 12,091,000 (~\$1,440,000), 2021–2026.  
VTArtWorks. Doris Duke Charitable Foundation, Robert Leonard (PI), \$222,824, 2015–2020.

## **Virginia Tech**

### **Innovation Campus**

Member, IC–PCOB Task Force, 2025  
Member, ICAB1 Work Culture Working Group, 2024  
Member, Grants Administrator Search Committee, 2024  
Co-Chair, Intelligent Interfaces Senior Faculty Search Committee, 2023, 24  
Member, Executive Committee, 2022–Present

### **National Security Institute**

Senior Advisor for OSINT and Faculty Co-Lead, OSINT Lab, 2023–Present  
Faculty Affiliate, 2022–2025  
Faculty Affiliate, Hume Center for National Security and Technology, 2017–2022

Faculty Fellow, Institute for Creativity, Arts, and Technology, 2015–Present

### **Center for Human-Computer Interaction**

Associate Director for Research, 2022–Present  
Member, Executive Committee, 2020–Present  
Faculty Affiliate, 2014–Present  
Member, Organizing Committee, 8<sup>th</sup> Annual Workshop on the Future of HCI, 2024  
Member, Organizing Committee, 7<sup>th</sup> Annual Workshop on the Future of HCI, 2023  
Chair, Organizing Committee, 3<sup>rd</sup> Annual Workshop on the Future of HCI, 2018  
Associate Director for Social Informatics, 2015–2016

### **Center for Future Work Places and Practices**

Member, Executive Committee, 2023  
Member, Organizing Committee, 2021–2022

### **Department of Computer Science**

Member, Personnel (Promotion & Tenure) Committee, 2020, 24  
Member, Ph.D. Qualifier Exam Committee (HCI Area), 2018, 23  
Member, Graduate Program Committee, 2018–2021  
Member, Faculty Search Committee, 2016, 17, 18

Department of History  
Faculty Affiliate, 2016–Present  
Member, Faculty Search Committee, 2020

Human-Centered Design Interdisciplinary Graduate Education Program  
Faculty Affiliate, 2015–Present  
Member, Executive Committee, 2016–2018

Public Interest Technology Lab  
Member, Postdoc Search Committee, 2025  
Member, 2024–Present

Founding Member, Advisory Board, Virginia Tech Publishing, 2025–2026  
Faculty Affiliate, Tech4Humanity Lab, 2020–Present  
Faculty Affiliate; Information, Trust, and Society Initiative; 2018–2019  
Member, Space Subcommittee, Creativity & Innovation Strategic Growth Area, 2016–2017

### **Carnegie Mellon University**

Coordinator, Social Computing Lab Summer REU Program, 2013

### **Georgia Tech**

Lab Manager, Electronic Learning Communities Lab, 2007–2012  
Reviewer, President’s Undergraduate Research Awards, 2011  
Member, School of Interactive Computing Faculty Search Committee, 2010  
Judge, Undergraduate Research Spring Symposium, 2010–2011

### **Other Service**

Review Panelist, National Science Foundation, 2016, 17(×2), 18, 19, 21, 24 (ad hoc)  
Technical Advisor, *Wisdom of the Crowd* CBS television series, 2017  
Technical Advisor, Center for Virtual History, University of Georgia, 2011–2015  
Editor-at-Large, *Digital Humanities Now*, 2013

### **Professional Memberships**

Member, Association for the Advancement of Artificial Intelligence (AAAI)  
Senior Member, Association for Computing Machinery (ACM)  
Member, Military Cyber Professionals Association (MCPA)

SELECTED  
MEDIA  
COVERAGE

**Communications of the ACM:** The AI spy, 2024  
<https://cacm.acm.org/news/the-ai-spy/>

**Wall Street Journal:** It took an army of internet sleuths to find ‘Celebrity Number Six,’ 2024  
<https://www.wsj.com/tech/it-took-an-army-of-internet-sleuths-to-find-celebrity-number-six-28be9ea7>

**Financial Times:** The still lives and distant voices of old family photographs, 2024  
<https://www.ft.com/content/f8ad041d-a697-4708-bffb-eb31cfbdea97>

**Vice:** Twitch influencers ruined r/Place for everyone, 2022  
<https://www.vice.com/en/article/qjb53p/twitch-influencers-ruined-rplace-for-everyone>

**C-SPAN:** Civil War Photographs as Resources, 2021  
<https://www.c-span.org/video/?519483-1/civil-war-resources-clothing-ammunition>

**PolitiFact:** Image mocks a Tesla recharging with a generator. Here’s what it doesn’t show, 2021  
<https://www.politifact.com/article/2021/nov/12/image-mocks-tesla-recharging-generator-heres-what-/>

**The HISTORY Channel:** History's Greatest Mysteries: "The Escape of John Wilkes Booth," 2020

<https://www.history.com/shows/historys-greatest-mysteries/season-1/episode-4>

**PolitiFact:** No evidence Joe Biden's great-grandfather was Confederate soldier, enslaved people, 2020

<https://www.politifact.com/factchecks/2020/jun/26/viral-image/no-evidence-joe-bidens-great-grandfather-was-confe/>

**Snopes:** Did Joe Biden's Great-Grandfather Own Slaves? 2020

<https://www.snopes.com/fact-check/joe-biden-slaves-great-grandfather/>

**TIME:** How Artificial Intelligence is Helping Identify Thousands of Unknown Civil War Soldiers, 2019

<https://time.com/5749059/civil-war-photos/>

**NPR:** Satchmo In His Adolescence: 1915 Film Clip May Show Young Louis Armstrong, 2019

<https://www.npr.org/2019/06/22/732675892/satchmo-in-his-adolescence-1915-film-clip-may-show-young-louis-armstrong>

**Smithsonian:** The Computer Scientist Who Wants to Put a Name to Every Face in Civil War Photographs, 2019

<https://www.smithsonianmag.com/innovation/computer-scientist-who-wants-to-put-name-to-every-face-in-civil-war-photographs-180971754/>

**Popular Mechanics:** AI Could Help You Identify Civil War Vets in Your Family Tree, 2019

<https://www.popularmechanics.com/military/a26625006/civil-war-photo-sleuth-search/>

**Fox News:** AI could help identify Civil War veterans in your family, 2019

<https://www.foxnews.com/tech/ai-could-help-identify-civil-war-veterans-in-your-family>

**Slate:** Who's behind that beard? Historians are using facial recognition software to identify people in Civil War photographs, 2018

<https://slate.com/technology/2018/11/civil-war-photo-sleuth-facial-recognition.html>

**Fast Company:** Online sleuths are using face recognition to identify Civil War soldiers in old photographs, 2018

<https://www.fastcompany.com/90275255/online-sleuths-are-using-face-recognition-to-identify-civil-war-soldiers-in-old-photographs>

**IEEE Spectrum:** How to Run a Successful Mobile Crowdsourcing Project, 2016

<http://spectrum.ieee.org/at-work/innovation/how-to-run-a-successful-mobile-crowdsourcing-project>

**Science:** The Power of Crowds, 2016

<http://science.sciencemag.org/content/351/6268/32>

**Harvard Business Review:** What Makes a Great Tweet, 2012

<http://hbr.org/2012/05/what-makes-a-great-tweet/ar/1>

**TIME:** Cool It With the Hashtags: How to Not Be Extremely Annoying on Twitter, 2012

<http://newsfeed.time.com/2012/02/04/cool-it-with-the-hashtags-how-to-not-be-extremely-annoying-on-twitter/>

**The Atlantic:** Be Better at Twitter: The Definitive, Data-Driven Guide, 2012

<https://www.theatlantic.com/technology/archive/2012/01/be-better-at-twitter-the-definitive-data-driven-guide/252273/>

**CNN:** 4 Online Services to Satisfy Your Vanity, 2011

[http://www.cnn.com/2011/TECH/social.media/01/12/vanity.netiquette/index.html?eref=ib\\_technology](http://www.cnn.com/2011/TECH/social.media/01/12/vanity.netiquette/index.html?eref=ib_technology)