KELLY CAINE   **CURRICULUM VITAE**

Professor   Clemson University
Human Centered Computing Division   E-mail: caine@clemson.edu
School of Computing   Web: www.kellycaine.org

EDUCATION

Georgia Institute of Technology, Atlanta, GA, 2009
> Ph.D. in Engineering Psychology with minor in Designing for Special Populations
> Dissertation: *Understanding Privacy Behaviors and Misclosures*

Georgia Institute of Technology, Atlanta, GA, 2006
> M.S. in Engineering Psychology
> Thesis: *Privacy Perceptions of Visual Sensing Devices: Effects of Users' Ability and Type of Sensing Device*

University of South Carolina, Columbia, SC, 2002
> B.A. (*cum laude*) in Experimental Psychology with minor in Business Administration

EMPLOYMENT

University of Iceland, Reykjavik, Iceland
> Faculty of Industrial Engineering, Mechanical Engineering and Computer Science
> Fulbright Gestaprófessor, 2024 - 2025

Fulbright Commission Iceland, Reykjavik, Iceland
> Fulbright Scholar, 2024 - 2025

Clemson University, Clemson, SC
> School of Computing
> Full Professor, 2023 – Present
> Associate Professor, 2016 – 2023
> Assistant Professor, 2012 – 2016

Indiana University, Bloomington, IN
> School of Informatics and Computing
> Principal Research Scientist, 2010 – 2012
> Research Fellow, 2009 – 2010

Google, Mountain View, CA & New York, NY
> User Experience Researcher, 2006 & 2007

Georgia Institute of Technology, Atlanta, GA
> Instructor, 2009
> Graduate Research Assistant, 2003 – 2009
> Graduate Teaching Assistant, 2007, 2009

University of South Carolina, Columbia, SC
> Research Assistant, 2001 – 2002

Cybersecurity Center, Clemson, SC
> Key Faculty, 2019 – Present

Human Factors Institute, Clemson, SC
> Associate, 2013 – Present

Center for Engaged Aging, Clemson, SC,
> Associate, 2012 – Present

HONORS & AWARDS

Fulbright Scholar, 2024 - 2025
- Fulbright-NSF Cyber-Security and Critical Infrastructure Scholar to Iceland.
- This grant is a "reflection of… leadership and contributions to society."
- The Fulbright program is, "devoted to increasing mutual understanding between the people of the United States and the people of other countries."
- "one of the most widely recognized and prestigious international exchange programs in the world" ([US News](#))
- Provides a stipend to live and work in Iceland for nine months.

National Academies of Sciences, Engineering, and Medicine, 2024
- Appointed to the 2024 Panel on Review of the National Institute of Standards and Technology's (NIST's) Information Technology Laboratory (ITL) for expertise in privacy engineering and privacy enhancing technologies

Arnold Small Award, Aging Technical Group of the Human Factors and Ergonomics Society, 2020
- This award recognizes the best student co-authored paper submitted to the Aging Technical Group of the Human Factors and Ergonomics Society

CURI Faculty Fellowship, Clemson University, 2019 - 2020
- This award helps promote collaboration between main campus faculty with faculty, technical staff, local professionals and industry in the Charleston area.
- Award: $8,000 discretionary research funding + housing stipend

Dean's Professor of Human-Centered Computing, Clemson University, 2018 – 2020
- This award recognizes "top talent of high-performing faculty members."
- Award: $5,000 per year discretionary research funding.

Aging Research Day Poster Second Prize, March, 2015
- This award recognizes outstanding posters presented at the Aging Research Day.
- Award: $2,000 student scholarship.

American Medical Informatics Association Distinguished Poster Award, November, 2015
- This award recognizes outstanding posters presented at the AMIA Annual Symposium.

Human Factors and Ergonomics Society Healthcare Symposium mHealth Design Competition, April, 2015
- Organized and advised the Hermes team (Spencer Kohn and Cheng Guo), who won the 2015 Human Factors and Ergonomics Health Care Symposium's "mHealth Applications for Consumers" Design Competition.
- Award: $1,000 honorarium + complimentary registration.

Clemson University Researcher of the Month, June, 2014
- Recognized by Clemson University for outstanding research and contributions to intellectual culture.

National Academy of Engineering / Institute of Medicine 'Go Viral to Improve Health' Collegiate Challenge Winner (Advisor), 2012
- Organized and advised the HealthyState team (Michele Degges, Mukta Gundi, Pranav Gupta, Matthew Holfelner, and Anthony Monaco) who won 3rd place in the NAE/IOM national challenge to build an app that "accelerates the public use of health data and spurs innovation to improve health."
- Award: $3,000 + $1,000 in travel funds

American Public Health Association, Best Poster, 2012
- Awarded best poster prize for: Gundi, M., Degges, M., Monaco, A., Gupta, P. Holfelner, M., Patil, S., & **Caine, K.** (November, 2012). *HealthyState: Presenting public health data to promote healthier life choices*.

Women in Science Research Competition 1st Prize in Math and Technology (Advisor), 2012
- Undergraduate women advisees Michele Degges and Morgan Soladine were awarded first prize in the Women in Science research competition for "What Do You Want to Share? Privacy & Access to EMRS".

ACM SIG Health Informatics, Best Security and Privacy paper, 2010
- First author of the paper, DigiSwitch: Design and Evaluation of a Device for Older Adults to Preserve Privacy While Monitoring Health at Home. *Proceedings of the ACM SIG on International Health Informatics.*

Foley Scholar, 2008 - 2009
- Highest academic honor awarded by GVU Center at Georgia Tech. Awarded to exceptional students involved in research at the GVU Center at Georgia Institute of Technology for "overall brilliance and potential impact"
- Award: $5,000

Georgia Institute of Technology Presidential Fellowship, 2003 - 2009
- Recognizes students with exceptional scholastic records and high research potential
- Award: $5,500 stipend per year

PUBLICATIONS[1]

Book

[B.1]   Baxter, K., Courage, C. & **Caine, K**. (2015). *Understanding Your Users: A Practical Guide to User Research Methods.* Morgan Kaufmann.

Archival Journal Publications (Peer Reviewed)

[J.24]   *Caldeira, C., Nurain, N., Heintzman, A., Molchan, H.,* **Caine, K**., Demiris, G., Siek, K., Reeder, B. & Connelly, K. (2023). "How do I compare to the other people?": Older Adults' Perspectives on Personal Smart Home Data for Self-Management. *Proceedings of the ACM: Human-Computer Interaction 7 (CSCW)*. 1-32, 32 pages. https://doi.org/10.1145/3610029

[J.23]   *Ivancsics, B., Washington, E., Yang, H.*, Sidnam-Mauch, *E., Monroe, A., Francis, E*., Bonneau, J. Caine, K. & McGregor, S. E. (2022). The Invisible Infrastructures of Online Visibility: An Analysis of the Platform-Facing Markup Used by US-Based Digital News Organizations. *Digital Journalism*, 1-24. 24 pages. https://doi.org/10.1080/21670811.2022.2156365

---

[1] Names of student/post-doc authors are *italicized.*

[J.22]   *Errol Francis II, Ayana Monroe*, Emily Sidnam-Mauch, *Bernat Ivancsics, Eve Washington*, Susan E. McGregor, Joseph Bonneau, and **Kelly Caine**. 2023. Transparency, Trust, and Security Needs for the Design of Digital News Authentication Tools. *Proceedings of the ACM: Human-Computer Interaction*. 7, CSCW1, Article 101 (April 2023), 44 pages. https://doi.org/10.1145/3579534

[J.21]   *Guo, C., Campbell, B*., Kapadia, A., Reiter, M. & **Caine, K**., (2021). Effect of Mood, Location, Trust, and Presence of Others on Video-Based Social Authentication. *USENIX Security*. (pp. 1–18). ISBN: 978-1-939133-24-3 [Acceptance Rate: 19%]

[J.20]   *Guo, C.* & **Caine, K**. (2021). Anonymity, User Engagement, Quality, and Trolling on Q&A Sites. *Proceedings of the ACM: Human-Computer Interaction*. Article 141 (2021), 27 pages. https://doi.org/10.1145/3449215

[J.19]   Reeder, B., Connelly, K., *Molchan, H., Bidanta, R., Siddh, S., Lowens, B.,* **Caine, K**., Demiris, G. & Siek, K., (2021) Evaluation Framework for Selecting Wearable Activity Monitors for Research*. mHealth*. doi: 10.21037/mhealth-19-253

[J.18]   *Namara, M., Wilkinson, D.,* **Caine, K.** & Knijnenburg, B. (2020). Emotional and Practical Considerations towards the Adoption and Abandonment of VPNs as a Privacy-Enhancing Technology. *Proceedings on Privacy Enhancing Technologies*, 2020(1), pp. 83-102. https://doi.org/10.2478/popets-2020-0006 [Acceptance Rate: 17%]

[J. 17] *Varun Mishra, Gunnar Pope*, Sarah Lord, *Stephanie Lewia*, Byron Lowens, **Kelly Caine**, *Sougata Sen*, Ryan Halter, and David Kotz. (2020) Continuous Detection of Physiological Stress with Commodity Hardware. ACM Transactions on Computing for Healthcare 1, 2, Article 8 (April 2020), 30 pages. DOI:https://doi.org/10.1145/3361562 [Acceptance rate not published]

[J. 16] *Bi, S., Wang, T., Tobias, N., Nordrum, J., Wang, S., Halvorsen, G., Sen, S.,* Peterson, R., Odame, O., **Caine, K**., Halter, R., Sorber, J., Kotz, D. (2018) Auracle: Detecting Eating Episodes with an Ear-Mounted Sensor*. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).* [Acceptance rate not published]

[J. 15] *Li, Y., Vishwamitra V.,* Knijnenburg, B. Hu, H. & **Caine, K.** (2017) Effectiveness and Users' Experience of Obfuscation as a Privacy-Enhancing Technology for Sharing Photos. *Proceedings of the ACM: Human-Computer Interaction*. 1, 2, Article 67 (2017), 24 pages. https://doi.org/10.1145/3134702 [Acceptance Rate: 27%]

[J.14]   McGregor, S., *Watkins, E.* & **Caine, K.** (2017). Would You Slack That? The Impact of Security and Privacy on Cooperative Newsroom Work. *Proceedings of the ACM: Human-Computer Interaction*. 1, 2, Article 75 (2017), 22 pages. https://doi.org/10.1145/3134710 [Acceptance Rate: 27%]

[J.13]   *Ismail, Q., Ahmed, T*., **Caine, K.,** Kapadia, A & Reiter, M. (2017). To Permit or Not to Permit, That is the Usability Question: Crowdsourcing Mobile Apps' Privacy Permission Settings*. Proceedings on Privacy Enhancing Technologies*, 2017(4), pp. 119-137. doi:10.1515/popets-2017-0041 [Acceptance Rate: 22.5%]

[J.12]   McGregor, S. E., Roesner, F., & **Caine, K.** (2016). Individual versus Organizational Computer Security and Privacy Concerns in Journalism. *Proceedings on Privacy Enhancing Technologies*, 2016(4), 418-435. [Acceptance Rate: 32%]

[J.11]   **Caine, K.,** *Kohn, S., Lawrence, C., Hanania, R.,* Meslin, E. & Tierney, W. (2015). Designing a Patient-Centered User Interface for Access Decisions about EHR Data: Implications from Patient Interviews. *Journal of General Internal Medicine, 30*(1), 7-16. [Impact Factor: 3.423]

[J.10]   Tierney, W., Alpert, S., Byrket, A., **Caine, K.,** Leventhal, J., Meslin, E. & Swartz, P. (2015). Provider Responses to Patients Controlling Access to their Electronic Health Records: A Prospective Cohort Study in Primary Care. *Journal of General Internal Medicine, 30*(1), 31-37. [Impact Factor: 3.423]

[J.9]   Swartz, P., **Caine, K.,** Alpert, S., Meslin, E. Carroll, A. & Tierney, W. (2015). Patient Preferences in Controlling Access to Their Electronic Health Records: a Prospective Cohort Study in Primary Care. *Journal of General Internal Medicine, 30*(1), 25-30. [Impact Factor: 3.423]

[J.8]   *Campbell, G.*, **Caine, K.,** Connelly, K., Doub, T., & Bragg, A. (2015). Cell Phone Ownership and Usage Among Mental Health Outpatients in the US. *Personal and Ubiquitous Computing, 19*(2), 367 - 378*.* [Impact factor: 1.7; Acceptance rate for special issue: 30%]

[J.7]   *White, G.*, **Caine, K.,** Connelly, K., Selove, R. & Doub, T. (2014). Designing Consumer Health Technologies for the Treatment of Patients With Depression: A Health Practitioner's Perspective. *Interactive Journal of Medical Research*, *3 (1):e2* doi:10.2196/ijmr.2368 [Impact factor has not been assigned to this journal yet. It will be released by Thomson Reuters' Web of Science Emerging Sources Citation Index, ESCI in late 2015].

[J.6]   Huber, L., Shankar, K., **Caine, K.,** Connelly, K., Camp, *L. J., Walker, B. A. & Borrero, L.* (2013). How In-Home Technologies Mediate Caregiving Relationships in Later Life. *International Journal of Human-Computer Interaction, 29 (7),* 441 - 455. [Impact factor: 1.415]

[J.5]   **Caine, K. E.** & *Hanania, R.* (2013). Patients Want Granular Privacy Control Over Health Information in EMRs. *Journal of the American Medical Informatics Association (JAMIA)*, 20(1), 7-15. [Acceptance rate: 24.2%; Impact factor: 3.571]

[J.4]   **Caine, K. E.**, *Zimmerman, C. Y., Schall-Zimmerman, Z., Hazlewood*, W. R., Camp, L. J., Connelly, K. H., Huber, L. L, & Shankar, K. (2011). DigiSwitch: A device to allow older adults to monitor and direct the collection and transmission of health information collected at home. *Journal of Medical Systems 35 (5),* 1181-1195. [Impact factor: 1.783]

[J.3]   **Caine, K. E.**, Nichols, T. A., Fisk, A. D., Rogers, W. A, &.Meyer, B. (2011). Age-related differences in learning incidental, environmental information. *Experimental Aging Research, 37 (1),* 17 – 45. [Impact factor: 1.113]

[J.2]   Hickman, J. M., **Caine, K. E.**, Pak. R., Stronge, A. J., Rogers, W. A., & Fisk, A. D. (2009). What factors lead to healthcare miscommunications with older patients? *Journal of Communication in Healthcare, 2(2),* 103 – 118.

[J.1]   Vendemia, J.M.C, **Caine, K. E.**, & Evans, J. (2005). Quantitative EEG findings in convicted murderers*. Journal of Neurotherapy*, 9, 5-29*.* (Simultaneously published in *Forensic Applications of QEEG and Neurotherapy*).

Archival Conference Proceedings (Peer Reviewed)[2]

[C.48]   *Errol Francis II, Catherine Barwulor, Ayana Monroe, Kediel Morales, Samya, Potlapalli, Kimberly Brown, Julia Jose,* Emily Sidnam-Mauch, Susan E. McGregor & **Kelly Caine** (2024). Usable News Authentication: How the Presentation and Location of Cryptographic Information Impacts the Usability of Provenance Information and Perceptions of News Articles. In *Proceedings of the SIGCHI conference on human factors in computing systems*. https://doi.org/10.1145/3613904.3642331

[C.47]   *Khan, S., Iqbal, M., Osho, O., Singh, K., Derrick, K., Nelson, P.,* Li, L., Sidnam-Mauch, E., Bannister, N., **Kelly Caine** & Knijnenburg, B. (2024). Teaching Middle Schoolers about the Privacy Threats of Tracking and Pervasive Personalization: A Classroom Intervention Using Design-Based Research. In *Proceedings of the SIGCHI conference on human factors in computing systems*. https://doi.org/10.1145/3613904.3642460

[C.46]   *Brodrick Stigall*, Ryan Rossi, Jane Hoffswell, Xiang Chen, Shunan Guo, Fan Du, Eunyee Koh & **Kelly Caine** (2023). On Chatbots for Visual Exploratory Data Analysis [Vision Paper]. *IEEE BigData 2023 special session 9th Special Session on Intelligent Data Mining.*

[C.45]   Elease J. McLaurin, Karen Chen, Kenneth Catchpole, Sudeep Hegde, Joshua Souders, Farzan Sasangohar, Tony Mcdonald & **Kelly Caine** (2023). Experiences with Postdoctoral Training in Human Factors: Mentor and Trainee Perspectives. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 67*.

[C.44]   *Brodrick Stigall* & **Kelly Caine** (2022). Towards Self Expression Through Voice User Interfaces. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 66*.

[C.43]   *Washington, E., Ivancsics, B.*, Sidnam-Mauch, E*., Monroe, A.*, **Caine, K**. & McGregor, S. (2022). Comparison of Tools for Digitally Tracking Changes in Text. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 66*.

[C.42]   *Monroe, A., Francis II, E.*, Sidnam-Mauch, E*., Ivancsics, B., Washington, E.*, **Caine, K**. & McGregor, S. (2022). Supporting Journalistic Trust Determinations: A Heuristic Analysis of News Trust Tools Through a Transparency Lens. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 66*.

[C.41]   *Sidnam-Mauch, E., Ivancsics, B., Monroe, A., Washington, E., Francis II,* E., **Caine, K.,** Bonneau, J., & McGregor, S.E. (2022). Usable cryptographic provenance: A proactive complement to fact-checking for mitigating misinformation. *Workshop Proceedings of the 16th International AAAI Conference on Web and Social Media*.

[C.40]   *Yifang Li* & **Kelly Caine** (2022). Obfuscation Remedies Harms Arising from Content Flagging of Photos. In *Proceedings of the SIGCHI conference on human factors in computing systems*. [Paper; Acceptance rate: 24.7%] https://doi.org/10.1145/3491102.3517520

[C.39]   *Nishant Vishwamitra, Yifang Li*, Hongxin Hu, **Kelly Caine**, Long Cheng, Ziming Zhao and Gail-Joon Ahn (2022). Towards Automated Content-based Photo Privacy Control in User-Centered Social Networks. In *Proceedings of the Twelfth ACM Conference on Data and Application Security and Privacy. CODASPY 2022 (pp 65 – 76).* [Paper; Acceptance rate: 26.8%] https://doi.org/10.1145/3508398.3511517

---

[2] Highly selective and high impact, peer reviewed archival conference proceedings meet or exceed the quality of journal publications in HCI and CS. See http://dl.acm.org/citation.cfm?id=1743546.1743569.

[C.38] *Simon Coghlan*, Jenny Waycott, *Lei Nui*, **Kelly Caine**, and *Brodrick Stigall* (2021). Swipe a Screen or Say the Word: Older Adults' Preferences for Information-seeking with Touchscreen and Voice-User Interfaces. In *Proceedings of the 33rd Australian Conference on Human-Computer Interaction (OzCHI '21)*. Association for Computing Machinery, New York, NY, USA, 130–143. https://doi.org/10.1145/3520495.3520512 Paper; Acceptance rate 39.5%]

[C.37] *Guo, C.* & **Caine, K**. (2020). Anonymity in Questions and Answers about Health. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 64.* DOI: 10.1177/1071181320641150. [Paper; Acceptance rate not published]

[C.36] *Stigall, B*. & **Caine, K**. (2020). A Systematic Review of Human Factors Literature About Voice User Interfaces and Older Adults. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 64.* DOI: https://doi.org/10.1177/1071181320641004. [Paper; Acceptance rate not published] Winner of the Arnold Small Award from the Aging Technical Group of the Human Factors and Ergonomics Society

[C.35] *Li, Y., Vishwamitra V.,* Hu, H. & **Caine, K.** (2020). Towards A Taxonomy of Content Sensitivity and Sharing Preferences for Photos. *Proceedings of the SIGCHI conference on human factors in computing systems,* 14 pages. DOI:https://doi.org/10.1145/3313831.3376498. [Paper; Acceptance rate: 24%]

[C.34] *Hasan, R., Li, Y., Hassan, E.,* **Caine, K.**, Crandall, D., Hoyle, R. & Kapadia, A. (2019). Can Privacy Be Satisfying? On Improving Viewer Satisfaction for Privacy-Enhanced Photos Using Aesthetic Transforms. *Proceedings of the SIGCHI conference on Human factors in computing systems,* Paper 367, 13 pages. DOI: https://doi.org/10.1145/3290605.3300597. [Paper; Acceptance rate: 24%]

[C.33] *Hasan, R., Hassan, E., Li, Y.,* **Caine, K.**, Crandall, D., Hoyle, R. & Kapadia, A. (2018). Viewer Experience of Obscuring Scene Elements in Photos to Enhance Privacy. *Proceedings of the SIGCHI conference on Human factors in computing systems, 47:1--47:13.* [Paper; Acceptance rate: 26%]

[C.32] McGregor, *S. E., Watkins, E., Al-Ameen, M. N*., **Caine, K.**, & Roesner, F. (2017). When the Weakest Link is Strong: Secure Collaboration in the Case of the Panama Papers. *USENIX Security*. [Acceptance rate 16%]

[C.31] *Lowens, B*., Motti, V. G., & **Caine, K**. (2017). Wearable Privacy: Skeletons in the Data Closet. In *2017 IEEE International Conference on Healthcare Informatics (ICHI),* (pp. 295-304). IEEE. DOI: 10.1109/ICHI.2017.29. [Acceptance rate 27%]

[C.30] *Li, Y., Vishwamitra V.,* Hu, H., Knijnenburg, B. & **Caine, K.** (2017). Effectiveness and Users' Experience of Face Blurring as a Privacy Protection for Sharing Photos via Online Social Networks. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting 61*(1), 803 - 807 SAGE Publications. [Acceptance rate not published]

[C.29] *Vishwamitra V., Li, Y., Wang, K.,* Hu, H., **Caine, K.** & Ahn, G. (2017). Towards PII-based Multiparty Access Control for Photo Sharing in Online Social Networks*. Proceedings of the ACM Symposium on Access Control Models and Technologies (SACMAT).* (pp. 155-166) ACM. [Acceptance rate 29%]

[C.28] *Motti, V. G*. & **Caine, K. E.** (2016). Smart Wearables or Dumb Wearables? Understanding how Context Impacts the UX in the Wrist Worn Interaction. *Proceedings of the SIGDOC conference on the design of communication.* [1 - 10] [Acceptance rate 35%] doi>10.1145/2987592.2987606

[C.27] Valdez, R. S., Holden, R. J., **Caine, K**., Madathil, K., Mickelson, R., Novak, L. L., & Werner, N. (2016, September). Patient Work as a Maturing Approach Within HF/E: Moving Beyond Traditional Self-

Management Applications. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting 60*(1), 657-661. SAGE Publications. [Acceptance rate not published]

[C.26]   *Motti, V. G.* & **Caine, K. E.** (2016). Towards a Visual Vocabulary for Privacy Concepts. *Proceedings of the Human Factors and Ergonomics Society 60th Annual Meeting, 60*(1), 1078-1082. Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.25]   **Caine, K.** (2016). Local Standards for Sample Size at CHI. *Proceedings of the SIGCHI conference on Human factors in computing systems,* 981-992. [Paper; Acceptance rate: 23%]

[C.24]   *Motti, V. G.* & **Caine, K. E.** (2015). Micro Interactions and Multi dimensional Graphical User Interfaces in the Design of Wrist-Worn Wearables. *Proceedings of the Human Factors and Ergonomics Society 59th Annual Meeting, 58*(1), 1820-1824. Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.23]   *White, G., Singh, T.,* **Caine, K. E.** & Connelly, K. (2015). Limited but satisfied: Low SES older adults experiences of aging in place. *Proceedings of the 9th International Conference on Pervasive Computing Technologies for Healthcare.* Istanbul, Turkey. [Full paper; Acceptance rate: 30%]

[C.22]   *Altenhoff, B., Vaigneur, H.* & **Caine, K. E.** (2015). One Step Forward, Two Steps Back: The Key to Wearables in the Field is the App. *Proceedings of the 9th International Conference on Pervasive Computing Technologies for Healthcare.* Istanbul, Turkey. [Note; Acceptance rate: 38%]

[C.21]   *Libonati, A,.* **Caine, K. E.,** Kapadia, A & Reiter, M. (2014). Defending Against Device Theft with Human Notarization. *Proceedings of the IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing* 8 – 17. [Invited full paper; acceptance rate: 20%]

[C.20]   *Motti, V. G.* & **Caine, K. E.** (2014). Understanding the Wearability of Head-mounted Devices from a Human-Centered Perspective. *Proceedings of the International Symposium on Wearable Computers,* 83-86. [Note; Acceptance rate: 24%]

[C.19]   *Motti, V. G.* & **Caine, K. E.** (2014). Human Factors Considerations in the Design of Wearable Devices. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting, 58*(1), 1820-1824. Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.18]   *White, G., Evans, R.,* Connelly, K. & **Caine, K. E.**. (2014). Designing Aging-In-Place Technologies to Reflect the Lifestyles and Precious Artifacts of Urban and Rural Older Adults. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting, 58*(1), 145-149. Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.17]   *Arreola, I., Morris, Z., Francisco, M.,* Connelly, K., **Caine, K.,** & *White, G.* (2014). From Checking On to Checking In: Designing for Low Socio-Economic Status Older Adults. *Proceedings of the SIGCHI conference on Human factors in computing systems,* 1933-1936. [Note; Acceptance rate: 23%]

[C.16]   *Norcie, G., Blythe, J.,* **Caine, K. E.,** Camp, L. J. (2014). Why Johnny Can't Blow the Whistle: Identifying and Reducing Usability Issues in Anonymity Systems, 1 - 10. *Proceedings of the Network and Distributed System Security Symposium (NDSS) Workshop on Usable Security (USEC).* [Full paper; Acceptance rate: 30%]

[C.15]   *Barnes, K.,* **Caine, K. E.,** Connelly, K. & Siek, K. (2013). Understanding the Needs of Low SES Patients with Type 2 Diabetes. *Proceedings of the 7th International Conference on Pervasive Computing Technologies for Healthcare,* 302 - 306. [Note; Acceptance rate: 30%]

[C.14] **Caine, K. E.,** Šabanović, S., & *Carter, M. E.* (2012). The Effect of Monitoring by Cameras and Robots on the Privacy Enhancing Behaviors of Older Adults. *Proceedings of the 7th ACM/IEEE International Conference on Human Robot Interaction (HRI),* 343 – 350, Boston, MA. [Full paper; Acceptance rate: 27%]

[C.13] **Caine, K. E.,** *Zimmerman, C. Y., Schall-Zimmerman, Z, Hazelwood, W. R., Sulgrove*, A. C., Camp, L. J., Connelly, K. H., Lorenzen-Huber, L. M., & Shankar, K. (2010). DigiSwitch: Design and Evaluation of a Device for Older Adults to Preserve Privacy While Monitoring Health at Home. *Proceedings of the ACM SIG on International Health Informatics.* Arlington, VA. [Best Paper; Acceptance rate: 48%]

[C.12] Luther, K., **Caine, K. E.,** Ziegler, K. & Bruckman, A. (2010). Why It Works (When It Works): Success Factors in Online Creative Collaboration. *Proceedings of the ACM SIG GROUP,* 1 – 10*.* Sanibel Island, FL. [Full paper; Acceptance rate: 36%]

[C.11] *Poole, A. B.,* **Caine, K. E.,** Fisk, A. D. & Rogers, W. A. (2010). Errors of Disclosure in Computer Mediated Systems. *Proceedings of the Human Factors and Ergonomics Society 54th Annual Meeting 54*(5), 512 - 516*.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.10] Wyche, S. P., **Caine, K. E.,** Davison, B., Patel, S. N., Arteaga, M. & Grinter, B. E., (2009). Sacred Imagery in Techno-Spiritual Design. *Proceedings of the SIGCHI conference on Human factors in computing systems,* 55 - 58*.* [Note; Acceptance rate: 25%]

[C.9] **Caine, K. E.,** *Burnham, K. E.,* Fisk, A. D. & Rogers, W. A. (2008). Privacy Concerns and Disclosure Behavior in a Health Setting. *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting 52*(22), 1785 - 1789*.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.7] **Caine, K. E.,** Fisk, A. D. & Rogers, W. A. (2007). Designing Privacy Conscious Aware Homes for Older Adults*. Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.6] **Caine, K. E.**, O'Brien, M. A., Park, S., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006). Understanding acceptance of high technology products: 50 years of research. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.5] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006). Benefits and privacy concerns of a home equipped with a visual sensing system: A perspective from older adults. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.4] Park, S., O'Brien, M. A., **Caine, K. E**., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006). Acceptance of computer technology: understanding the user and the organizational characteristics. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.3] Hickman, J.M, **Caine, K. E.**, Stronge, A., Pak, R., Rogers, W. A., & Fisk, A.F. (2006). Doctor-Patient Communication: Exploring Patient And Doctor-Side Solutions for Improvements. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.2]   **Caine, K. E.**, Rogers, W. A., & Fisk, A. D. (2005). Privacy perceptions of an aware home with visual sensing devices. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

[C.1]   **Caine, K. E.**, Nichols, T. A., Fisk, A. D. & Rogers, W. A. (2005). Age-related differences in learning incidental environmental information. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society. [Acceptance rate not published]

Non-Archival Conference Papers (Peer Reviewed)

[c.18]   *Singh, K.,* Bannister, N., Knijnenburg, B., **Caine, K.**, Sidnam-Mauch, E., *Iqbal, S., Khan, S., Osho, O., & Nelson, P.* (2022, October). Trust the Teachers! A Story of Conducting School-Based Research in a Rural Middle School Community When Building Relationships Face-to-Face isn't Possible. *Curriculum and Teaching Dialogue*. Volume 24 [Acceptance rate not published]

[c.17]   *Huff, E., Stigall, B.,* Brinkley J., Pak, R. & **Caine, K.** (2020, May). *Can Computer-Generated Speech Have an Age?* Extended Abstracts of the ACM Conference on Human Factors in Computing Systems. (pp. 1-7). ACM. http://dx.doi.org/10.1145/3334480.3383082. [Acceptance rate: 28%]

[c.16]   *Stigall, B.,* Waycott, J*., Baker, S.* & **Caine, K.** (2019, December). *Older Adults' Perception and Use of Voice User Interfaces: A Preliminary Review of the Computing Literature.* Australian Conference on Human-Computer-Interaction (ozCHI'19). (pp. 423–427). ACM. https://doi.org/10.1145/3369457.3369506

[c.15]   *Bi, S., Bryce, A., Ffrench, K., Gong, J., Halvorsen, R., Lowens, B., Nordrum, J., Oh,* D., Peterson, R., *Tobias, N., Venkatakrishnan, R., Wang, T.,* **Caine, K**., Halter, R., Jones, M., Kotz, D., Odame, K., *Sen, S.,* Sorber, J., Yang, X. (2018, March). *Poster: Auracle: A Wearable Device for Detecting and Monitoring Eating Behavior*. Automatic Dietary Monitoring. The grand challenge from lab to real-life systems.

[c.14]   Bi, S., Davernport, E., Gong, J., Peterson, R., Skinner, J., Storer, , Wang, T., **Caine**, K., Halter, R., Kotz, D., Odame, K., Sorber, J., & Yang, X. (2017, June). *Poster: Auracle: A Wearable Device for Detecting and Monitoring Eating Behavior*. In Proceedings of the 15th Annual International Conference on Mobile Systems, Applications, and Services (pp. 176-176). ACM.

[c.13]   *Watkins, E. A*., Roesner, F., McGregor, S., *Lowens, B*., **Caine, K**. & *Al-Ameen, M. N. &* (2016). Sensemaking and Storytelling: Network Security Strategies for Collaborative Groups. *Proceedings of the 2016 IEEE International Conference on Collaboration Technologies and Systems (IEEE CTS)*. pp. 622-623. Orlando, FL. [Acceptance rate: 36%]

[c.12]   *Motti, V. G*. & **Caine, K. E.** (2015). An Overview of Wearable Applications for Healthcare: Requirements and Challenges. *Ubicomp/ISWC '15 adjunct*, *Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2015 ACM International Symposium on Wearable Computers* Pages 635-641. ACM New York, NY, USA.ISBN: 978-1-4503-3575-1 doi>10.1145/2800835.2809436.

[c.11]   Connelly, K., Reeder, B., Hall, A., **Caine, K. E.**, Siek, K. & Demiris, G. (2015). HomeSHARE: A Distributed Smart Homes Testbed Initiative. *Proceedings of the Annual Symposium of the American Medical Informatics Association.* Winner of the "Distinguished Poster Award".

[c.10]   Cheng, K., **Caine, K. E.,** Pratt, W. & Connelly, K. (2013). Consumer Engagement in Health Technologies Special Interest Group. *Extended Abstracts of the ACM Conference on Human Factors in Computing*

Systems.

[c.9]   *Norcie, G.,* **Caine, K. E.,** Camp, L. J. (2012). Eliminating Stop-Points in the Installation and Use of Anonymity Systems: A Usability Evaluation of the Tor Browser Bundle. *Proceedings of the 5th Workshop on Hot Topics in Privacy Enhancing Technologies (HotPETs 2012)*. Held in conjunction with the 12th Privacy Enhancing Technologies Symposium. Vigo, Spain.

[c.8]   *White, G.,* Connelly, K., & **Caine, K.** (2012). Opportunities for ubiquitous computing in the homes of low SES older adults. *Proceedings of the 14th International Conference on Ubiquitous Computing (Ubicomp 2012),* 659-660. ACM, Pittsburgh, PA. [Poster; Acceptance rate for posters not published]

[c.7]   Alpert, S., **Caine, K.,** Tierney, W. & Goodman, K. (2012). *Aspiring to Awesome: Ethics, Human Factors, and Technology for Patient Granular Control.* In the Proceedings of the American Medical Informatics Association Annual Meeting. Chicago, IL.

[c.6]   **Caine, K. E.,** Kisselburgh, L., G. & *Lareau, L.* (2011). Audience Visualization Influences Disclosures in Online Social Networks. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems.*

[c.5]   Luther, K., Ziegler, K., **Caine, K. E.,** & Bruckman, A. (2009). Predicting Successful Completion of Online Collaborative Animation Projects. *Extended Abstracts of Creativity & Cognition* 2009.

[c.3]   **Caine, K. E.** (2009). Supporting Privacy by Preventing Misclosure. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems.* (Doctoral Consortium).

[c.3]   Wyche, S. P., **Caine, K. E,** Davison, B., Arteaga, M. &**.** Grinter, B. (2008*).* Sun Dial: Exploring Techno-Spiritual HCI through a Mobile Islamic Call to Prayer Application. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems.*

[c.2]   *Kwasny, M. N.,* **Caine, K. E.,** Fisk, A. D. & Rogers, W. A. (2008). Privacy and Technology: Folk Definitions and Perspectives. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems.*

[c.1]   Blanson Henkemans, O. A., **Caine, K. E.,** Rogers, W. A., Fisk, A. D., Neerincx, M. A. & de Ruter, B. (2007). Medical Monitoring for Independent Living: User-centered design of smart home technologies for older adults. *Proceedings of the Med-e-Tel Conference for eHealth, Telemedicine and Health Information and Communication Technologies.*

Book Chapters (Peer Reviewed)

[b.5]   *Li, Y., Saini, S.,* Connelly, K. **Caine, K. E.** (2018). Checking-in with my friends: Results from an in-situ deployment of peer-to-peer aging in place technologies. In Pak, R. & McLaughlin, A. *Aging, Technology, and Health* (DOI 10.1016/B978-0-12-811272-4.00007-5).

[b.4]   *Hazelwood, W. R*., Connelly, K. **Caine, K. E.**, *Zimmerman, Z. & Blanton, G.* (2014). Property Damage, Purchasing Orders, and Power Outages: Suggestions for Planning Your Next In-The-Wild Deployment. In G. Demiris (Ed.), *Handbook of Smart Homes, Health Care and Well-Being.* Springer (DOI 10.1007/978-3-319-01904-8_33-1).

[b.3]   **Caine, K. E.**. & *Chhoa, C.* (2014). DigiSwitch. In C. Rébola (Ed.), *Designed Technologies for Healthy Aging.* Morgan and Claypool (ISBN-10 : 1627053174).

[b.2]   **Caine, K. E.**, Hargrove, W. & Sun, M.W. (2006). Information and Communication Needs of Rwandan Coffee Stakeholders. In M. L. Best (Ed.), *Last Mile Initiative Innovations: Research Findings from the Georgia Institute of Technology.* (pp. 28-46).

[b.1]   Vendemia, J.M.C, **Caine, K. E.**, & Evans, J. (2005). Quantitative EEG findings in convicted murderers. In J. R. Evans (Ed.), *Forensic Applications of QEEG* (Simultaneously published in *Journal of Neurotherapy*, 9, 5-29).

Workshops and Tutorials Organized (Peer Reviewed)

[W.4]   *Hanna Alzughbi*, **Kelly Caine**, Mehtab Iqbal, Bart Knijnenburg, *Hansen Lee*, Susan McGregor, and Emily Sidnam-Mauch (2024). EPIC: Enhanced Privacy and Integrity Considerations for Research (Tutorial). Intelligent User Interfaces (IUI2024). Greenville, SC.

[W.3]   *Motti, V., Kohn, S.* & **Caine, K. E.** (2014). Wearable Computing: A Human-Centered View of Key Concepts, Application Domains, and Quality Factors. *Proceedings of MobileHCI.*

[W.2]   Connelly, K., **Caine, K. E.,** Siek, K. A., Kientz, J. A*., Kutz, D., Hanania, R., Khan, D. U. & Choe, E. Y.* (2012). Evaluating Off-the-Shelf Technologies for Personal Health Monitoring: A Hands-On Workshop. *Proceedings of the 14th International Conference on Ubiquitous Computing.*

[W.1]   Lipford, H. R., *Wisinewski, P.*, Lampe, C., Kisselburgh, L., G. & **Caine, K. E.** (2012). Reconciling Privacy with Social Media. *Proceedings of the conference on Computer Supported Cooperative Work* (CSCW).

Workshop Papers (Lightly Reviewed)

[w.16]   *Sidnam-Mauch, E., Ivancsics, B., Monroe, A., Washington, E., Francis II, E.*, **Caine, K**., & McGregor, S.E. (2022). Usable cryptographic provenance: A proactive complement to fact-checking for mitigating misinformation. *Workshop Proceedings of the 16th International AAAI Conference on Web and Social Media*. https://doi.org/10.36190/2022.55

[w.15]   Bart Kninjenburg, Nicole Bannister, and **Kelly Caine**. Using Mathematically-Grounded Metaphors to Teach AI-Related Cybersecurity. In *Proceedings of the 1st Workshop on Adverse Impacts and Collateral Effects of Artificial Intelligence Technologies* - AIofAI 2021 co-located with 30th International Conference on Artificial Intelligence (IJCAI 2021). Montréal, Canada, August 19, 2021.

[w.14]   *Varun Mishra, Gunnar Pope*, Sarah Lord, *Stephanie Lewia, Byron Lowens*, **Kelly Caine**, *Sougata Sen*, Ryan Halter, and David Kotz. The Case for a Commodity Hardware Solution for Stress Detection. In *Workshop on Mental Health: Sensing & Intervention*, pages 1717-1728, October 2018. ACM. DOI 10.1145/3267305.3267538.

[w.13]   *Yifang Li, Wyatt Troutman*, Bart P. Knijnenburg, and **Kelly Caine**. (2018, June). Human perceptions of sensitive content in photos. *IEEE Conference on Computer Vision and Pattern Recognition Workshop on the Bright and Dark Sides of Computer Vision: Challenges and Opportunities for Privacy and Security (CV-COPS 2018)*.

[w.12]   *Mahdi N. Al-Ameen, Byron Lowens*, Susan E. McGregor, **Kelly Caine**. (2017, October). A First Look at the Security and Privacy Perceptions of Sources Who Discussed Sensitive Topics with Journalists. In Poster Session: Computation+Journalism Symposium.

[w.11]   *Mahdi N. Al-Ameen, Elizabeth Anne Watkins, Byron Lowens*, Franziska Roesner, Susan E. McGregor, **Kelly Caine**. (2017, October) Evaluating Online Security Training for Journalists Through the Lens of Learning Science. In Poster Session: Computation+Journalism Symposium.

[w.10]   *Elizabeth Anne Watkins, Mahdi Nasrullah Al-Ameen*, Franziska Roesner, **Kelly Caine**, Susan McGregor. (2017, August). Creative and Set in Their Ways: Challenges of Security Sensemaking in Newsrooms. In USENIX Workshop on Free and Open Communications on the Internet (FOCI).

[w.9]   *Varun Mishra, Byron Lowens*, Sarah Lord, **Kelly Caine**, and David Kotz. 2017. *Investigating contextual cues as indicators for EMA delivery*. UbiTtention 2017: 2nd International Workshop on Smart & Ambient Notification and Attention Management Workshop in conjunction with UbiComp 2017. *In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers (UbiComp '17)*. ACM, New York, NY, USA, 935-940. DOI: https://doi.org/10.1145/3123024.3124571 [Acceptance rate: 23%]

[w.8]   *Li, Y., Vishwamitra, N.*, Knijnenburg, B. P., Hu, H., & **Caine, K**. (2017, July). *Blur vs. Block: Investigating the effectiveness of privacy-enhancing obfuscation for images*. First International Workshop on the Bright and Dark Sides of Computer Vision: Challenges and Opportunities for Privacy and Security (CV-COPS 2017). In Computer Vision and Pattern Recognition Workshops (CVPRW), 2017 IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPRW) (pp. 1343-1351). IEEE. Honolulu, HI.

[w.7]   *Motti, V. &* **Caine, K.** (2015). *Users Privacy Concerns About Wearables: Impact of form factor, sensors and type of data collected.* First Workshop on Wearable Security and Privacy. In International Conference on Financial Cryptography and Data Security (pp. 231-244). Springer. San Juan, PR

[w.6]   *Lowens, B. Motti, V. &* **Caine, K.** (2015). *Design Recommendations to Improve the User Interaction with Wrist Worn Devices.* WristSense: Workshop on Sensing Systems and Applications Using Wrist Worn Smart Devices. St. Louis, MS. [Runner up for Best Paper]

[w.5]   *Evans, R. R.,* Connelly, K., **Caine, K.** & Shankar, K (2013). *DigiSwitch: Who is viewing my daily activity?* Workshop on Home Usable Privacy and Security (HUPS). Newcastle, UK.

[w.4]   *Evans, R. R., White, G. E., Soladine M.,* Connelly, K., & **Caine, K.** (2012). Technologies to support aging-in-place among low-SES urban-dwelling older adults. Workshop on Interactive Systems in Healthcare. Chicago, IL.

[w.3]   *Garg, V.,* Camp, L.J., Connelly, K., Huber, L., Shankar, K. & Caine, K. (2011). *Privacy Framework for Older Adults.* Workshop on Security and Human Behavior, Pittsburgh, PA.

[w.2]   **Caine, K. E.** (2010). *Why Understanding the Psychology of User Privacy is Critical to the Success of Interactive Health Systems*. Workshop on Interactive Systems in Healthcare at the ACM Conference on Computer Human Interaction (SIGCHI) 2010.

[w.1]   **Caine, K. E.** (2009). *Visual Sensing Devices in Home-Care Systems*. Workshop on Security and Privacy in Home Care Systems (SPIMACS) at the ACM Conference on Computer and Communications Security 2009.

Other Published Material

[O.22]   **Caine, K. E.** (December, 2016). *Privacy is Healthy.* Invited Health Department Column in IEEE Pervasive. *15*(4), 14-19.

[O.21]   *Baxter, K., Courage, C.* & **Caine, K. E.** (November, 2015). *Evolution of User Experience.* EPIC: Advancing the Value of Ethnography in Industry. https://www.epicpeople.org/evolution-of-user-experience-research/

[O.20]   **Caine, K.,** & Tierney, W. (2015). Point and Counterpoint: Patient Control of Access to Data in Their Electronic Health Record. *Journal of General Internal Medicine*. 10.1007/s11606-014-3061-0

[O.19]   *Altenhoff, B., Vaigneur, H.* & **Caine, K. E.** (August, 2014). *Wearable Fitness Trackers: A Comparative Usability Evaluation.* The Human Factors Blog. humanfactorsblog.org/2014/08/28/wearable-fitness-trackers-a-comparative-usability-evaluation/

[O.18]   **Caine, K.** & Lesk, M. (2013). Security and Privacy in Health IT: Guest editors' introduction. *IEEE Security & Privacy 11* (6), pp. 10 – 11. DOI: 10.1109/MSP.2013.149.

[O.17]   **Caine, K. E.** , *Degges, M. & Holfelner, M.* (2013). Review of the book: *Handbook of Human Factors in Web Design, Second Edition* by Kim-Phuong L. Vu and Robert W. Proctor. *Ergonomics in Design: The Quarterly of Human Factors Applications* 21: 29.

[O.16]   Pfleeger, S., Rogers, M., Bashir, M., **Caine, K.,** Caputo, D., Losavio, M. & Stolfo, S. (2012). Does Profiling Make Us More Secure? *IEEE Security & Privacy 10* (4), pp 10 – 15. DOI: 10.1109/MSP.2012.95.

[O.15]   *Gundi, M., Degges, M., Monaco, A., Gupta, P. Holfelner, M., Patil, S.,* & **Caine, K.** (November, 2012). *HealthyState: Presenting public health data to promote healthier life choices*. [Abstract]. American Public Health Association 140th Annual Meeting and Exposition, San Francisco, CA. [Best Poster]

[O.14]   **Caine, K. E.**, & Connelly, K., Selove, R., Shelton, R. & Doub, T. W. (December, 2011). *Understanding the mHealth Needs of Patients with Depression*. [Abstract] 2011 mHealth Summit. Washington, DC.

[O.13]   **Caine, K. E.** (2010). *Case Study on Privacy Issues Surrounding the Remote Monitoring of Older Adults at Home*. [Abstract]. 2010 mHealth Summit. Washington, DC.

[O.12]   Lorenzen-Huber, L. M., Camp, J., Connelly, K., Shankar, K., **Caine, K. E.,** *Hazelwood, W. H. & Zimmerman, Z.* (2010). A Privacy Framework for Evaluating In-home technologies. [Abstract] *Program abstracts of the 63rd Annual Meeting of the Gerontological Society of America.*

[O.11]   **Caine, K. E.** (2010). *Facebook and Privacy: A Guest Post by Kelly Caine*. The Human Factors Blog. http://humanfactorsblog.org/2010/05/08/facebook-and-privacy-a-guest-post-by-kelly-caine/

[O.10]   **Caine, K. E.** (2010). *Designing Ethical Home-Based Technologies for Older Adults*. [Abstract]. 13th Cognitive Aging Conference Abstracts of Paper and Poster Presentations.

[O.9]   **Caine, K. E.** Connelly, K., Kientz, J., & Hayes, B. (2010). The Role of iSchools in Shaping the Future of Health Informatics. Roundtable at the 2010 iConference. Urbana-Champaign, IL. Feb. 3-6, 2010.

[O.8]   **Caine K. E.,** (2009). *Understanding Privacy Behaviors and Misclosures*. Unpublished Dissertation. Georgia Institute of Technology. Atlanta, GA.

[O.7]   **Caine, K. E.** (2009). The relationship of Privacy and Acceptance in Healthcare Technologies. *A Research Agenda for Privacy and Security of Healthcare Technologies.* Indianapolis, IN, Oct. 25 – 27, 2009.

[O.6]   **Caine, K. E.**, Hickman, J.M, Stronge, A. J., Pak, R., (2008). Steps to Effective Communication with Your Health Care Provider. *Signpost: Journal of Dementia and Mental Health Care for Older People.*

[O.5]   Kwasny, M. N., **Caine, K. E.** (2008). Older Adult's Privacy in a Monitored Home. *Signpost: Journal of Dementia and Mental Health Care for Older People.*

[O.4]   **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006). Privacy and Ethical Considerations about Aware Home Technologies for Older Adults. [Abstract] *Program abstracts of the 59th Annual Meeting of the Gerontological Society of America.*

[O.3]   Hickman, J.M., Stronge, A., Pak, R., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (2006). *Doctor-patient communication: Exploring the nature of communication problems for an older population* [Abstract]. 11th Cognitive Aging Conference Abstracts of Paper and Poster Presentations.

[O.2]   O'Brien, M.A., **Caine, K. E.**, Seifert, E. A., Rogers, W.A. & Fisk, A.D. (2006). *Developing a model of technology acceptance and aging* [Abstract]. 11th Cognitive Aging Conference Abstracts of Paper and Poster Presentations.

[O.1]   Hickman, J. M., & **Caine, K. E.** (2006). Senior to Senior: Suggestions for Improving Communication Between You and Your Doctor. [Brochure] Available online: www.hfaging.org/senior-to-senior-final.pdf

Technical Reports

[TR.10] *Varun Mishra, Byron Lowens*, Sarah Lord, **Kelly Caine**, and David Kotz, "Investigating Contextual Cues as Indicators for EMA Delivery." Dartmouth Computer Science Technical Report TR2018-842, April 2018.

[TR.9]   Van Ittersum, K., Rogers, W. A., Capar, M., Murtha, B., Park, S., **Caine, K. E**., O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2008). *Understanding technology acceptance follow up report to technology workshop: How "value" is captured by the Technology Acceptance Model* (HFA-TR-0802). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.8]   Kwasny, M., **Caine, K. E**., Fisk, A. D. & Rogers, W. A. (2008). *Privacy and technology: Folk definitions and perspectives* (HFA-TR-0806). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.7]   Rogers, W. A., Fisk, A. D., **Caine, K. E**., Kwasny, M., Wilkison, B., & Mayer, A. K., & Van Ittersum, K., (2007). *Understanding technology acceptance: Phase III (Part 2) –Communication studies* (HFA-TR-0706). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.6]   Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., **Caine, K. E**., O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2007). *Understanding technology acceptance: Phase III (Part 1) –Quantitative modeling* (HFA-TR-0705). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.5]   Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., **Caine, K. E**., O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2007). *Understanding technology acceptance: Phase II (Part 2) – Refining the quantitative model*

(HFA-TR-0704). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.4]   Hickman, J. M., Stronge, A. J., **Caine, K. E.**, Pak, R., Rogers, W. A., & Fisk, A. D. (2007). *Communication with health care providers: Exploring the nature of communication problems for an older population* (HFA-TR-0702). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.3]   Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., O'Brien, M. A., **Caine, K. E.**, Parsons, L. J., & Fisk, A. D. (2006). *Understanding technology acceptance: Phase II – Identifying and validating metrics and preliminary testing of a quantitative model* (HFA-TR-0604). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.2]   Van Ittersum, K., Rogers, W. A., Capar, M., **Caine, K. E.**, O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2006). *Understanding technology acceptance: Phase I – literature review and qualitative model development* (HFA-TR-0602). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

[TR.1]   Rogers, W.A., Fisk, A.D., & **Caine, K. E.** (2004). *Acceptance of Technology: Need for the Development of a Model* (White Paper for Deere & Company). Atlanta, GA.

PRESENTATIONS

Invited Presentations

[I.50]   **Caine, K. E.** (November, 2024). *Usable Security in the News Ecosystem.* Invited presentation to the Software Engineering and Design (SEAD) Group at The Open University. Milton Keynes, England (via video conference).

[I.49]   **Caine, K. E.** (October, 2024). *The Weakest Link? Why Understanding Users is Critical in Cybersecurity*. Invited presentation for the Computer Science seminar at the University of Iceland. Reykjavik, Iceland.

[I.48]   **Caine, K. E.** (March, 2024). *The Intersection of Artificial Intelligence (AI) and Security Within Cyber Infrastructure*. Invited presentation with Gail-Joon Ahn, Hsinchun Chen, Yinzhi Cao, and Yuan Tian for the NSF CICI Principal Investigator Meeting. Pheonix, AZ.

[I.47]   **Caine, K. E.** (February, 2023). *ChatGPT at Clemson Panel*. Invited presentation for the OTEI: Office of Teaching Effectiveness and Innovation. Clemson, SC.

[I.46]   **Caine, K. E.** (January, 2023). *Personal Finance for Graduate Students*. Invited presentation for the School of Computing Graduate Student Association. Clemson, SC.

[I.45]   **Caine, K. E.** (June, 2022). *Q & A About How to Transition from a Post-Doc to Professor*. Invited presentation for the Clemson University Postdoctoral Association meeting sponsored by the Office of Postdoctoral Affairs and the Office of the Vice President for Research. Clemson, SC.

[I.44]   **Caine, K. E.** (May, 2020). *Practical Cybersecurity Tips*. Invited presentation for the CU in the Lowcountry sponsored by the Clemson Alumni Association. Charleston, SC.

[I.43]   **Caine, K. E.** (March, 2020). *Real News and Fake Photos: Towards Usable Privacy for Journalism and Photo Sharing*. Invited presentation at the College of Charleston Department of Computer Science Research Speaker Series. Charleston, SC.

[I.42]   **Caine, K. E.** (November, 2019). *Real News and Fake Photos: Towards Usable Privacy for Journalism and Photo Sharing*. Invited presentation at the Bsides Charleston Security Conference. Charleston, SC.

[I.41]   **Caine, K. E.** (March, 2019). *Real News and Fake Photos: Towards Usable Privacy for Journalism and Photo Sharing*. Invited presentation at the Virginia Tech Department of Computer Science. Falls Church, VA.

[I.40]   **Caine, K. E.** (March, 2019). *Career Advice*. Clemson HFES Faculty Lunch Series. Clemson, SC.

[I.39]   **Caine, K. E.** (February, 2019). *Real News and Fake Photos: Towards Usable Privacy for Journalism and Photo Sharing*. Invited presentation at the Industrial Engineering Seminar Series. Clemson, SC.

[I.38]   Beer, J. **Caine, K.,** McLaughlin, A & Pak, R. (October, 2018). *Age Related Considerations for Emerging Technologies*. Invited presentation at the Human Factors and Ergonomics Society Annual Meeting. Philadelphia, PA.

[I.37]   **Caine, K. E.** (October, 2017). *Information Security Depends on Understanding Your Users*. Invited keynote presentation for Infosecurity North America. Boston, MA. https://www.infosecuritynorthamerica.com/en/Sessions/47815/Module-1-Securing-the-Human-Factor

[I.36] **Caine, K. E.** (September, 2016). *The Weakest Link*. Invited presentation at the Washington Area Trustworthy Computing Hour (WATCH) talk series. Washington, DC.

[I.35] **Caine, K. E.** (April, 2016). *The Role of Technology in Aging in Place*. Invited presentation to Senior Leaders Greenville. Greenville, SC.

[I.34] **Caine, K. E.** (September, 2015). *Understanding Your Users.* Invited presentation to the Greenville Java Users Group (Green JUG). Greenville, SC.

[I.33] **Caine, K. E.,** Xu, H., Walker, J. & Marzullo, K. (May, 2015). *Research Priorities and Collaboration Models for Cybersecurity and Privacy in Smart Cities.* Invited panel presentation at the Designed-in Cybersecurity for Smart Cities: A Discussion of Unifying Architectures, Standards, Lessons Learned and R&D Strategies Workshop hosted by the National Institute for Standards and Technology and the Cybersecurity Research Alliance. Gaithersburg, MD.

[I.32] **Caine, K. E.,** Vagle, J. & Xu, H. (April, 2015). *Generational Differences in End User Responsibility for Privacy.* Invited panel presentation at the Taking Responsibility for One's Own Data Privacy and Security: Is it Possible, and How? Workshop at the University of Pennsylvania Law School. Philadelphia, PA.

[I.31] **Caine, K. E.** (October, 2014). *Privacy in electronic medical record systems: the patient perspective.* Invited webinar presentation for iDASH at the University of San Diego. San Diego, CA.

[I.30] **Caine, K. E.,** Breaux, T., Farkas, C., Ford, B. & Liu, L. (September, 2014). *Privacy Panel.* Invited panel presentation at the Clemson Cyberinfrastructure Expo. Clemson, SC. (organizer)

[I.29] **Caine, K. E.** (January, 2014). *Privacy-Enhanced Technologies to Help Older Adults Age in Place.* Invited presentation at the South Carolina Aging Research Day. Columbia, SC.

[I.28] **Caine, K. E.** (October, 2013). *A Human-Centered Tool for Enhancing Patient Privacy and Cybersecurity in Electronic Medical Record Systems.* Invited presentation at the Cryptography, Security, and Privacy (CrySP) Research Group at the University of Waterloo. Ontario, Canada.

[I.27] **Caine, K. E.** (September, 2013). *Using Technology to Help Older Adults Age in Place.* Invited presentation to the Advisory Board of the Institute for Engaged Aging. Clemson, SC.

[I.26] **Caine, K. E.** (July, 2013). *A Human-Centered Tool for Enhancing Patient Privacy in Electronic Medical Record Systems.* Invited presentation at the PETools Workshop on Privacy Enhancing Tools in conjunction with 13th Annual Privacy Enhancing Technologies Symposium. Bloomington, IN.

[I.25] **Caine, K. E.** (June, 2013). *Privacy Enhanced Health Information Technologies.* Invited presentation at the Health Privacy Summit. Washington, DC.

[I.24] **Caine, K. E.** (April, 2013). *Privacy Enhanced Health Information Technologies.* Invited presentation to the Clemson University School of Computing Graduate Student Association. Clemson University, Clemson, SC.

[I.23] **Caine, K. E.** (March, 2013). *Privacy Enhanced Health Information Technologies.* Invited presentation for the Carolina Chapter of the Human Factors and Ergonomics Society. North Carolina State University Library, North Carolina State University, Raleigh, NC.

[I.22]   **Caine, K. E.** (November, 2012). *The Tradeoff Between Security and Usability.* Invited panel presentation at the Protecting Journalism: Anonymous and Secure Communications for Reporters and Sources. Information Society Project, Yale Law School, Yale University, New Haven, CT.

[I.21]   **Caine, K. E.** (August, 2012). *Raising the Bar: Performing More Effective Cyber Security Studies.* Invited panel presentation at the International Conference on Availability, Reliability and Security (ARES). Prague, Czech Republic.

[I.20]   **Caine, K. E.** (May, 2012). *Policy and Technical Approaches to Health IT Privacy and Security.* Invited panel presentation at the Securing Information Technology in Health Workshop. New Hanover, NH. With Anthony, D., Frisse, M., McGraw, D. & Suchman, M.

[I.19]   **Caine, K. E.** (April, 2012). *Privacy Enhanced Health Technologies.* Invited presentation to the Human Centered Computing Division at Clemson University. Clemson, SC.

[I.18]   **Caine, K. E.** (March, 2012). *Psychological Considerations in Security Profiling.* Invited panel presentation for IEEE Security & Privacy Roundtable on Profiling. West Lafayette, IN.

[I.17]   **Caine, K. E.** (April, 2011). *Careers in Science, Technology, Engineering and Math.* Invited presentation to STEMScholars students at STEMworksIndiana. Indianapolis, IN.

[I.16]   **Caine, K. E.** (March, 2011). *Human Factors in Privacy by Design.* Invited panel presentation at the Berkeley Center for Law and Technology's *Technology: Transforming the Regulatory Endeavor Symposium*. Berkeley, CA.

[I.15]   **Caine, K. E.** (February, 2011). *Women in STEM Careers Panel.* Invited panel presentation at Ivy Tech Community College. Indianapolis, IN.

[I.14]   **Caine, K. E.** (April, 2010). *Privacy Enhanced Technologies for the Health System*. Invited presentation to the Engineering Systems Division at Massachusetts Institute of Technology. Cambridge, MA.

[I.13]   **Caine, K. E.** (March, 2010). *Women in Informatics and Computing (WIC)'s Inspiration Panel.* Invited panel presentation to the School of Informatics and Computing at Indiana University. Bloomington, IN.

[I.12]   **Caine, K. E.** (March, 2010). *Privacy Enhanced Health Technologies to Support Aging in Place*. Invited presentation to the School of Informatics and Computing at Indiana University. Bloomington, IN.

[I.11]   **Caine, K. E.** (February, 2010). *Privacy Enhanced Health Communication Technology to Support Aging in Place*. Invited presentation to the Department of Communication at Michigan State University. East Lansing, MI.

[I.10]   **Caine, K. E.** (December, 2009). *Human Factors Approaches to Preserving Privacy*. Invited presentation to the Center for Education and Research in Information Assurance and Security at Purdue University. West Lafayette, IN.

[I.9]   **Caine, K. E.** (April, 2009). *Everyday Privacy Behaviors: Implications for Design.* Invited presentation to the Center for Applied Cybersecurity Research at Indiana University, Bloomington.

[I.8]   **Caine, K. E.** (July, 2009). *The Importance of Understanding Psychological Privacy in an Aware Home Environment.* Invited presentation to G.P. "Bud" Peterson, President, Georgia Institute of Technology, Atlanta, GA.

[I.7]   **Caine, K. E.** (May, 2009). *The Aware Home: Technology, Science, and Research.* Invited presentation of Aware Home research for gifted middle school students, Atlanta, GA.

[I.6]   **Caine, K. E.** (April, 2009). *Collection and Disclosure of Health Information: A Psychological Perspective.* Invited presentation to Informatics Department at Indiana University, Bloomington, IN.

[I.5]   **Caine, K. E.** (February, 2009). *GVU: Support of the Inter-Disciplinary Center Enables Investigations that Cut Across Technology and Society.* Invited presentation for the Georgia Tech GVU Brown Bag Lecture Series, in honor of Foley Scholar award.

[I.4]   **Caine, K. E.,** (January, 2008). *Academia to Industry: Insight into the Use of Qualitative Methods Across Settings.* Invited presentation to User Insight, Inc. Atlanta, GA.

[I.3]   Scritchfield, R. & **Caine, K.E.** (April, 2007). *Center for Aging Services Technologies: Vision for the Future of Aging Services.* Invited presentation to the Med-e-tel conference for eHealth, Telemedicine and Health ICT. Luxembourg, G.D. of Luxembourg.

[I.2]   Blanson Henkemans, O. A., **Caine, K. E.**, Rogers, W. A., Fisk, A. D., Neerincx, M. A. & de Ruter, B. (April, 2007). *Medical Monitoring for Independent Living: User-centered design of smart home technologies for older adults.* Invited presentation to the Med-e-tel conference for eHealth, Telemedicine and Health ICT. Luxembourg, G.D. of Luxembourg.

[I.1]   Fisk, A. D., & **Caine, K. E.** (March, 2006). *Acceptance of visual sensing devices in an aware home: When people want cameras in their homes*. Invited colloquium presentation to the Clemson HCI group. Clemson, SC.

Presentations

[P.76]   Kathryn Tippey, Crispin Reedy, Laura Fulton, Adam Emfield, Ryan Biette, and Kelly Caine (September, 2024). *Methods for Voice UI Development*. Product Design Technical Group Sponsored Panel at the ASPIRE Annual Meeting of the Human Factors and Ergonomic Society (HFES 2024). Phoenix, AZ.

[P.75]   Knijnenburg, B., **Caine, K**., & Sidnam-Mauch, E. (May 2024). *Responsible Data Collection Practices for Human Subjects Research*. Clemson 2024 Research Symposium, Clemson, SC, USA.

[P.74]   **Caine, K.** (March, 2024). *Enhanced Privacy and Integrity Considerations (EPIC) for Human Subjects Research in AI*. Talk at the EPIC Tutorial at the Intelligent User Interfaces (IUI 2024). Greenville, SC.

[P.73]   **Caine, K.,** Knijnenburg, B., Sidnam-Mauch, E & McGregor, S**.** (April, 2023). *The Case for Human-Centered AI*. Joint AI Symposium. Clemson, SC.

[P.72]   **Caine, K.** (February, 2023). *Information Security Depends on Understanding Your Users*. Palmetto Cybersecurity Summit for Local Government. Columbia, SC.

[P.71]   *Stigall, B*. & **Caine, K.** (2022, June 9). *Systematic review at the intersection of voice user interfaces (VUI) and older adults*. Emerging Technologies in Aging and Dementia hybrid conference at the University of Tennessee-Knoxville.

[P.70]   *Monroe, A., Francis II., E., Sidnam-Mauch, E., Ivancsics, B., Washington, E.,* McGregor, S. E., Bonneau, J., & **Caine, K**. (2022, April 6). A transparency-driven analysis of news trust tools. [Poster

presentation]. Columbia University Data Science Institute Data Science Day 2022, New York City, NY, USA. https://datascience.columbia.edu/event/data-science-day-2022/

[P.69]   *Washington, E., Ivancsics, B., Sidnam-Mauch, E., Monroe, A.,* **Caine, K**., & McGregor, S. E. (2022, April 6). Comparison of tools for digitally tracking changes in text [Poster presentation]. Columbia University Data Science Institute Data Science Day 2022, New York City, NY, USA. https://datascience.columbia.edu/event/data-science-day-2022/

[P.68]   *Ivancsics, B., Washington, E., Yang, H., Sidnam-Mauch, E., Monroe, A., Francis II, E.,* Bonneau, J., **Caine, K.,** & McGregor, S. E. (2022, April 6). Assessing the markup layer in U.S.-based digital news publishing [Poster presentation]. Columbia University Data Science Institute Data Science Day 2022, New York City, NY, USA. https://datascience.columbia.edu/event/data-science-day-2022/

[P.67]   **Caine, K.,** McGregor, S., Bonneau, J., *Francis II, E., Ivancsics, B., Kern, B., Zitek, A., Elwood-Dieu, K., & Monroe, A*. (2021, February 19). *The news authentication project: Cryptographic provenance for digital publishing* [Virtual poster presentation]. Columbia University 2021 Data Science Institute Cybersecurity Center Poster Session.

[P.66]   *Li, Y., Vishwamitra V.,* Hu, H. & **Caine, K.** (2020, May). *Towards A Taxonomy of Content Sensitivity and Sharing Preferences for Photos.* Presented at the annual SIGCHI conference on human factors in computing systems.

[P.65]   *Hasan, R., Li, Y., Hassan, E.,* **Caine, K.**, Crandall, D., Hoyle, R. & Kapadia, A. (2019, May*). Can Privacy Be Satisfying? On Improving Viewer Satisfaction for Privacy-Enhanced Photos Using Aesthetic Transforms*. Presented at the annual SIGCHI conference on Human factors in computing systems*.*

[P.64]   *Stigall, B.,* Waycott, J*., Baker, S.* & **Caine, K.** (2019, December). *Older Adults' Perception and Use of Voice User Interfaces: A Preliminary Review of the Computing Literature.* Presented at the Australian Conference on Human-Computer-Interaction (ozCHI'19).

[P.31]   Reeder, B., *Molchan, H., Gutierrez, E., Pena, E.,* **Caine, K. E.**, Demiris, G., K., Siek & Connelly, K. (November, 2019). HomeSHARE: Implementing Multi-site Smart Technology Infrastructure. *Poster at the Annual Symposium of the American Medical Informatics Association.* Washington, DC.

[P.62]   Reeder, B., Gutierrez, E., Pena, E., Molchan, H., Connelly, K., Siek, K. **Caine, K. E.**, & Demiris, G. (November, 2019). HomeSHARE: Multi-site Smart Technology Infrastructure. *Poster at the Advanced Methods Conference: The Expanding Science of Sensor Technology in Research.* Washington, DC.

[P.61]   *Li, Y., Vishwamitra*, N., Knijnenburg, B. P., Hu, H., & **Caine, K.** (April, 2018). *Effectiveness and Users' Experience of Obfuscation as a Privacy-Enhancing Technology for Sharing Photos*. Poster Session at the 1st Annual Southeastern Human Factors Applied Research Conference (SHARC). Clemson, SC.

[P. 60] Blaine Reeder, Kay Connelly, Katie Siek, **Kelly Caine**, George Demiris & Kamin Whitehouse. (October, 2017). HomeSHARE: Home-based Smart Health Applications across Research Environments. Poster presentation at the TechEX2017 Cyber Security Workshop. Internet2 Initiative.

[P. 59] *Shengjie Bi, Ellen Davenport, Jun Gong*, Ronald Peterson, Joseph Skinner, *Kevin Storer, Tao Wang,* **Kelly Caine**, Ryan Halter, David Kotz, Kofi Odame, Jacob Sorber and Xing-Dong Yang (June, 2017).

Auracle: a wearable device for detecting and monitoring eating behavior. Poster presentation at MobiSys.

[P. 58]   **Caine, K.**, Cronk, J. & Kenneally, E. (October, 2016). *The Use of Privacy Enhancing Technologies (PETs).* Panel presentation at the Privacy + Security Forum. Washington, DC. https://privacyandsecurityforum.com/the-use-of-privacy-enhancing-technologies/

[P.57]   **Caine, K. E.** (May, 2016). Local Standards for Sample Size at CHI. *Presented at the Annual Meeting of the SIGCHI conference on Human factors in computing system, San Jose, CA*

[P.56]   *Motti, V. G.* & **Caine, K. E.** (October, 2015). Micro Interactions and Multi dimensional Graphical User Interfaces in the Design of Wrist-Worn Wearables. *Presented at the Annual Meeting of the Human Factors and Ergonomics Society.*

[P.55]   **Caine, K.**, Anthony, D., Abts, N., Sethumadhavan, A. & Connelly, K. (August, 2015). *Human Factors in the Security and Privacy of Healthcare Technologies.* Panel presentation at HealthTech'15 at the 2015 USENIX Summit on Information Technologies for Health. Washington, DC.

[P.54]   *Motti, V. &* **Caine, K.** (May, 2015). *Wrist-Worn Interaction: Design Challenges and Opportunities.* Presented at the Georgia Tech Symposium on Design & Wearable Technology. Atlanta, GA.

[P.53]   *Motti, V. &* **Caine, K.** (January, 2015). *Users Privacy Concerns About Wearables: Impact of form factor, sensors and type of data collected.* Presented at the First Workshop on Wearable Security and Privacy. San Juan, PR.

[P.52]   Anthony, D., **Caine, K.,** Patil, S. & Campos-Castillo, C. (August, 2014). *Sacrificing customers in the name of data? How online privacy policies affect purchase decisions.* Presented at the CITASA Symposium. Berkeley, CA.

[P.51]   Arreola, I., Morris, Z., Francisco, M., Connelly, K., **Caine, K.,** & White, G. (April, 2014). *From Checking On to Checking In: Designing for Low Socio-Economic Status Older Adults.* Presented at the *SIGCHI Conference on Human Factors in Computing Systems.* Toronto, CA.

[P.50]   **Caine, K.** (March, 2014). *Human-Centered Usable Security and Privacy.* Presentation to Carrie Gates and Tim Brown from Dell. Clemson, SC.

[P.49]   Norcie, G., Blythe, J., **Caine, K. E.,** Camp, L. J. (2014). *Why Johnny Can't Blow the Whistle: Identifying and Reducing Usability Issues in Anonymity Systems*. Presented at the Network and Distributed System Security Symposium (NDSS) Workshop on Usable Security (USEC2014). San Diego, CA.

[P.48]   Barnes, K., **Caine, K. E.,** Connelly, K. & Siek, K. (May, 2013*). Understanding the Needs of Low SES Patients with Type 2 Diabetes.* Presented at the 7th International Conference on Pervasive Computing Technologies for Healthcare. Venice, Italy.

[P.47]   **Caine, K. E.** (April, 2013). *Consumer Engagement in Health Technologies.* Presented at the ACM Conference on Computer Human Interaction (SIGCHI) 2013. Paris, France.

[P.46]   Alpert, S., **Caine, K.,** Tierney, W. & Goodman, K. (2012). *Aspiring to Awesome: Ethics, Human Factors, and Technology for Patient Granular Control.* American Medical Informatics Association Annual Meeting. Chicago, IL.

[P.45] Gundi, M., Degges, M., Monaco, A., Gupta, P. Holfelner, M., Patil, S., & **Caine, K.** (November, 2012). *HealthyState: Presenting public health data to promote healthier life choices*. American Public Health Association 140th Annual Meeting and Exposition, San Francisco, CA. [Best Poster Award]

[P.44] White, G, Connelly, K & **Caine, K. E.** (September, 2012), *Opportunities for ubiquitous computing in the homes of low SES older adults.* Presented at the 14th International Conference on Ubiquitous Computing (Ubicomp 2012). Pittsburgh, PA.

[p.43] Norcie, G., **Caine, K. E.,** Camp, L. J. (July, 2012). *Eliminating Stop-Points in the Installation and Use of Anonymity Systems: A Usability Evaluation of the Tor Browser Bundle*. Presented at the 5th Workshop on Hot Topics in Privacy Enhancing Technologies (HotPETs 2012) in conjunction with the 12th Privacy Enhancing Technologies Symposium. Vigo, Spain.

[P.42] Michalik, N., **Caine, K. E.** & Connelly, K., (May, 2012), *Mobile Technology Ownership and Usage Patterns Among Patients Suffering from Depression.* Presented at the 6th International Conference on Pervasive Computing Technologies for Healthcare. San Diego, CA.

[P.41] **Caine, K. E.** & Hanania, R. (March, 2012), *Patient Preferences for Granular Control Over Personal Health Information in EMRs*. Presented at the Human Factors and Ergonomics Society Symposium on Human Factors and Ergonomics in Healthcare. Baltimore, MD.

[P.40] **Caine, K. E.,** Šabanović, S., & Carter, M. E. (March, 2012). *The Effect of Monitoring by Cameras and Robots on the Privacy Enhancing Behaviors of Older Adults.* Presented at the 7th ACM/IEEE International Conference on Human Robot Interaction (HRI). Boston, MA.

[P.39] **Caine, K. E.**, & Connelly, K., Selove, R., Shelton, R. & Doub, T. W. (December, 2011). *Understanding the mHealth Needs of Patients with Depression*. Presented at the 2011 mHealth Summit. Washington, DC.

[P.38] Huber, L., Borrero, L., Walker, B. A., Shankar, K., **Caine, K. E.**, Connelly, K., & Camp, L. J (November, 2011). *How Older Adults Use Information Technology to Reduce Caregiver Burden*. Presented at the Gerontological Society of America 64th Annual Scientific Meeting, Boston, MA.

[P.37] **Caine, K. E.**, & Morrison, D. P. (August, 2011). *Electronic Health Records in Community-Based Behavioral Health Clinical Practice*. Presented at the 119th Annual Meeting of the American Psychological Association. Washington, DC.

[P.36] Kisselburgh, L.G., **Caine, K. E.,** & Lareau, L. (November, 2011). *Audience visualization influences online social network disclosures.* Presented at the National Communication Association, New Orleans, LA. [27% acceptance rate]

[P.35] **Caine, K. E.,** Zimmerman, C. Y., Schall-Zimmerman, Z, Hazelwood, W. R., Sulgrove, A. C., Camp, L. J., Connelly, K. H., Lorenzen-Huber, L. M., & Shankar, K. (November, 2010). *DigiSwitch: Design and Evaluation of a Device for Older Adults to Preserve Privacy While Monitoring Health at Home.* Presented at the annual meeting of the ACM SIG on International Health Informatics. Arlington, VA.

[P.34] Luther, K., **Caine, K. E.,** Ziegler, K. & Bruckman, A. (November, 2010). *Why It Works (When It Works): Success Factors in Online Creative Collaboration*. Presented at the Annual meeting of the ACM SIG GROUP. Sanibel Island, FL.

[P.33] **Caine, K. E.,** Poole, A. B., Fisk, A. D. & Rogers, W. A. (September, 2010). *Errors of Disclosure in Computer Mediated Systems*. Presented at the Annual Meeting of the Human Factors and Ergonomics Society, San Antonio, TX.

[P.32]   **Caine, K. E.** (April, 2010). *Designing Ethical Home-Based Technologies for Older Adults*. Poster presented at the 13th Cognitive Aging Conference. Atlanta, GA

[P.31]   **Caine, K. E.** (April, 2010). *Why understanding the psychology of user privacy is critical to the success of interactive health systems*. Poster presented at the Workshop on Interactive Systems in Healthcare at the ACM Conference on Computer Human Interaction (SIGCHI) 2010.

[P.30]   **Caine, K. E.** (November, 2009). *The Role of Video in Home and Health Care*. Paper presented at the workshop for Security and Privacy in Medical and Home-Care Systems at the 2009 ACM Conference Computer and Communications Security (CCS 2009). Chicago, IL.

[P.29]   **Caine, K. E.** (October, 2009). *Case Study of a Mobile Health Application for a Chronically Ill, Low-Literacy Population.* Paper presented at the 2009 mHealth Summit. Washington, DC.

[P.28]   Luther, K., Ziegler, K., **Caine, K. E.,** & Bruckman, A. (October, 2009). *Predicting Successful Completion of Online Collaborative Animation Projects*. Poster presented at the 2009 ACM Conference on Creativity & Cognition (C & C 2009). Berkeley, CA.

[P.27]   **Caine, K. E.** (August, 2009). *Misclosure.* Presentation to the Privacy Enhancing Technologies Symposium (PETS), Seattle, WA.

[P.26]   **Caine, K. E.** (April, 2009). *Disclosure and Collection of Health Information: A Psychological Perspective.* Presentation to the Cognitive Aging Group at Georgia Institute of Technology.

[P.25]   **Caine, K. E.,** Burnham, K. E., Fisk, A. D. & Rogers, W. A. (September, 2008). *The Effects of Immediate Experience with Technology on Privacy Concerns and Disclosure Behavior in a Health Setting.* Paper presented at the Human Factors and Ergonomics Society 52nd Annual Meeting. New York, NY.

[P.24]   **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (August, 2008). *Digital Divides: Age, Health, Race, and Income in Health-Related Search.* Paper presented at the Annual Meeting of the American Psychological Association, Boston, Massachusetts.

[P.23]   **Caine, K. E.,** Kwasny, M. N., Fisk, A. D. & Rogers, W. A. (April, 2008). *Privacy and Technology: Folk Definitions and Perspectives.* Poster presented at CHI 2008: Conference on Human Factors in Computing Systems. Florence, Italy.

[P.22]   Wyche, S. P., **Caine, K. E,** Davison, B., Arteaga, M. &**.** Grinter, B. (April, 2008*). Sun Dial: Exploring Techno-Spiritual HCI through a Mobile Islamic Call to Prayer Application.* Poster presented at CHI 2008: Conference on Human Factors in Computing Systems. Florence, Italy.

[P.21]   **Caine, K. E**., (January, 2008). *Eye-tracking: Applications in Industry Settings.* Presentation to the User Experience Professional Seminar at Georgia Institute of Technology. Atlanta, GA

[P.20]   **Caine, K. E.,** Fisk, A. D. & Rogers, W. A.. (October, 2008). *Designing Privacy Conscious Aware Homes for Older Adults.* Paper presented at the Human Factors and Ergonomics Society 51st Annual Meeting. Baltimore, MD.

[P.19]   **Caine, K. E.,** (August, 2008). *Privacy Heuristics.* Tech Talk at Google, New York, NY.

[P.18]   **Caine, K. E.,** (July, 2007). *User Experience: At Google and Beyond.* Tech Talk at Google, New York, NY.

[P.17]   **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (March, 2007). *Technology Acceptance: Key Characteristics for Designing Successful Emerging Technologies for Older Adults.* Poster presented at the American Association of Homes and Services for the Aging's (AAHSA) Future of Aging Services Conference. Washington, DC.

[P.16]   **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (November, 2006). *Privacy and Ethical Considerations about Aware Home Technologies for Older Adults.* Paper presented at the Gerontological Society of America Annual Meeting. Houston, TX.

[P.15]   **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (October, 2006*). Benefits and privacy concerns of a home equipped with a visual sensing system: A perspective from older adults.* Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA.

[P.14]   **Caine, K. E.**, O'Brien, M. A., Park, S., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (October, 2006). *Understanding acceptance of high technology products: 50 years of research.* Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA.

[P.13]   Hickman, J.M, **Caine, K. E.**, Stronge, A., Pak, R., Rogers, W. A., & Fisk, A.F. (October, 2006) *Doctor-Patient Communication: Exploring Patient And Doctor-Side Solutions for Improvements*. Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco.

[P.12]   Park, S., O'Brien, M. A., **Caine, K. E**., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (October, 2006). *Acceptance of computer technology: understanding the user and the organizational characteristics.* Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA

[P.11]   **Caine, K. E.,** (August, 2006). *Password, Please: Insights into User-Centered Anti-Phishing Solutions.* Tech Talk at Google, Mountain View, CA.

[P.10]   Hickman, J.M., Stronge, A., Pak, R., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (April, 2006). *Doctor-patient communication: Exploring the nature of communication problems for an older population.* Poster presented at the 10th Cognitive Aging Conference. Atlanta, GA.

[P.9]   O'Brien, M.A., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (April, 2006). *Developing a model of technology acceptance and aging.* Poster presented at the 10th Cognitive Aging Conference. Atlanta, GA..

[P.8]   **Caine, K. E.** & Hargrove, W. (March, 2006). *Rwandan Coffee Stakeholders: Need for and Familiarity with ICT Solutions.* Poster presented at the Sam Nunn Policy Forum on The Impact of Information and Communication Technologies on Economic Development, National Competitiveness and Social Justice, Atlanta, GA.

[P.7]   **Caine, K. E.**, Hargrove, W. & Sun, M. (March, 2006). *Information and Communication needs of Rwandan Coffee Stakeholders.* Presentation to the Macarthur/Nunn Security Fellows, Georgia Institute of Technology, Atlanta, GA.

[P.6]   **Caine, K. E.** (March, 2006). *Cameras in the home: Older adults have concerns but also see benefits.* Paper Presented to the Cognitive Aging Group at Georgia Institute of Technology.

[P.5]   Fisk, A. D., Sanchez, J., **Caine, K. E.**, & Ezer, N. (October, 2005). *Acceptance of Technology: Trust, Privacy Concerns, and the Decision making process.* Paper presented at the Scripps 6th Long-Term Care Conference and SAGE Federation's 3rd National Conference emphasis on New Models of Long-Term Caring. Dublin, OH.

[P.4]   **Caine, K. E.**, Rogers, W. A., & Fisk, A. D. (September, 2005). *Privacy Perceptions of an Aware Home with Visual Sensing Devices.* Paper presented at the Human Factors and Ergonomics Society 49th Annual Meeting. Orlando, FL.

[P.3]   **Caine, K. E.**, Nichols, T. A., Fisk, A. D. & Rogers, W. A. (September, 2005). *Age-Related Differences in Learning Incidental Environmental Information.* Paper presented at the Human Factors and Ergonomics Society 49th Annual Meeting. Orlando, FL.

[P.2]   **Caine, K. E.** (February, 2005). *Privacy – Uncovering the factors that affect the perception of privacy in a home equipped with a visual sensing device.* Presentation to the Cognitive Aging Group at Georgia Institute of Technology.

[P.1]   Vendemia, J.M.C., **Caine, K. E.**, & Evans, J. (September, 2003). *QEEG analysis of convicted murders.* Paper presented at the 11th Annual meeting of the International Society for Neuronal Regulation. Houston, TX.

PATENTS

[PA.2]   Bi, S., Wang, T., Tobias, N., Nordrum, J., Halvorsen, R., Peterson, R., **Caine, K.**, Yang, X., Odame, K., Halter, R., Sorber, J., Kotz, D. (2019). System for Detecting Eating with Sensor Mounted by the Ear.* US Application No.: 17/265,032

[PA.1]   Soghoian, C. & **Caine, K. E.** (2012). Anti-Phishing System and Method. US Patent # 8220047

[M.38] PAUL ALONGI, **Greenvile Journal** (March, 2021) "Fulbright Scholar Kelly Caine credits mom and Greenville public schools as she packs for Iceland" https://news.clemson.edu/fulbright-scholar-kelly-caine-credits-mom-and-greenville-public-schools-as-she-packs-for-iceland/

[M.37] ALEX COOPER, **Greenvile Journal** (March, 2021) "New projects at Clemson look to take AI into the classroom" https://greenvillejournal.com/education/new-projects-at-clemson-look-to-take-ai-into-the-classroom/

[M.36] STAFF, **106.3 Word (Radio)** (March, 2021) "Artificial intelligence helps advance personalized learning for South Carolina's K-12 teachers and students" https://www.audacy.com/1063word/news/local/artificial-intelligence-helps-advance-personalized-learning

[M.35] JOHN C. STEVENSON, **Greenville Business Magazine** (January, 2021) "Companies of all sizes can mitigate threat of, damages from cyber attacks" http://www.greenvillebusinessmag.com/2021/01/05/341174/companies-of-all-sizes-can-mitigate-threat-of-damages-from-cyber-attacks

[M.34] MOLLIE R. SIMON, **Associated Press** (July, 2019) "Clemson and other universities work to improve cybersecurity" https://apnews.com/c20932ad39ab4bcb84e9da6adbe0c51e

[M.33] MARY KATHERINE WILDEMAN, **The Post & Courier** (May, 2019) "Clemson brings tech experts to Charleston to help build a cybersecurity workforce" https://www.postandcourier.com/business/clemson-brings-tech-experts-to-charleston-to-help-build-a/article_30fc3308-7e24-11e9-9803-1f23560b6878.html

[M.32] GREGORY MICHAELIDIS, **TechRepublic** (October, 2017) "Users aren't the weakest link in cybersecurity: 3 tips for IT leaders" https://www.techrepublic.com/article/users-arent-the-weakest-link-in-cybersecurity-3-tips-for-it-leaders/

[M.31] DAN RAYWOOD, **InfoSecurity** (October, 2017) "Understand Your Users to be More Secure" https://www.infosecurity-magazine.com/news/infosec17-understand-users-secure/

[M.30] PAUL BASKIN, **The Chronicle of Higher Education** (Feb, 2017) "Cybersecurity, Rising: Working to meet a national shortage of computer-safety personnel, colleges find customers and complications" http://www.chronicle.com/article/Cybersecurity-Rising/239270

[M.29] SCOTT AMYX, **Information Week** (Jun, 2015) "Data Privacy Playbook For Wearables And IoT" http://www.informationweek.com/mobile/mobile-devices/data-privacy-playbook-for-wearables-and-iot/a/d-id/1320690

[M.28] STAFF, **Upsate Business Journal** (May, 2015) "Clemson team wins mobile app competition" https://upstatebusinessjournal.com/tech-design/clemson-team-wins-mobile-app-competition/

[M.27] ANDY GREEBERG, **Wired** (Apr, 2015) "Chrome can now warn users who type gmail password in dumb places" http://www.wired.com/2015/04/google-chrome-password-alert/

[M.26] RAJIV LEVENTHAL, **Behavioral Healthcare** (Feb, 2015) "Patients prefer texting over mHealth apps for treating mental illness" http://www.behavioral.net/news-item/patients-prefer-texting-over-mhealth-apps-treating-mental-illness?utm_campaign=Feed%3A+BehavioralHealthcareMagazine+%28Behavioral+Healthcare+Magazine%29&utm_medium=feed&utm_source=feedburner

[M.25] CHRIS WELLER, **Medical Daily** (Jan, 2015) "Texting May Aid Mental Illness Recovery Better Than Smartphone Apps" http://www.medicaldaily.com/texting-may-aid-mental-illness-recovery-better-smartphone-apps-320070

[M.24] STAFF, **Healio** (Jan, 2015) "Patients prefer control over clinically sensitive data in EHRs" http://www.healio.com/internal-medicine/practice-management/news/online/%7B77ec181c-c881-4596-92d1-96a880203b44%7D/patients-prefer-control-over-clinically-sensitive-data-in-ehrs

[M.23] Krystle Vermes, **Pharmacy Times** (Dec, 2014) "Half of All Patients Hide EMR Information" http://www.pharmacytimes.com/news/Half-of-All-Patients-Hide-EMR-Information

[M.22] STAFF, **Council & Heal** (Dec, 2014) "1 in 2 Patients Keep Secrets from Their Doctors, Study" http://www.counselheal.com/articles/13800/20141217/1-2-patients-keep-secrets-doctors-study.htm#ixzz3MMl9uwpJ

[M.21] STAFF, **News-Medical** (Dec, 2014) "Study finds almost half of patients withhold sensitive information in electronic medical records" http://www.news-medical.net/news/20141218/Study-finds-almost-half-of-patients-withhold-sensitive-information-in-electronic-medical-records.aspx#commentblock

[M.20] ANDREA PETERSON, **Washington Post** (May, 2014) "Just Because the Elevator Doors Are Closed Doesn't Mean You're Alone" http://www.washingtonpost.com/blogs/the-switch/wp/2014/09/08/just-because-the-elevator-doors-are-closed-doesnt-mean-youre-alone/

[M.19] ANNA SIMON, **SCETV's Your Day** (August, 2014) "Smart Jewelry" http://yourdayradio.com/archives/YDAudioarch/YD140804/140804d.mp3

[M.18] DENA HEADLESS, **NSF Science Now** (June, 2014) "The Future in Wearable Technology" http://science360.gov/obj/video/5b11cb64-04c3-4326-811b-1867f6a1b4ee/nsf-science-now-episode-24

[M.17] APRIL MORRIS, **Greenville Journal** (May, 2014) "Smart Accessories" http://www.greenvillejournal.com/life-culture/3241-smart-accessories.html

[M.16] IGOR KOSSOV, **Law360** (May, 2014) "'The Password Is Dead,' Microsoft Cybersecurity Partner Says" http://www.law360.com/articles/541566/-the-password-is-dead-microsoft-cybersecurity-partner-says

[M.15] CRAIG TIMBERG AND SARAH HALZACK, **Washington Post** (May, 2014) "Right to be forgotten vs. free speech." http://www.washingtonpost.com/business/technology/right-to-be-forgotten-vs-free-speech/2014/05/14/53c9154c-db9d-11e3-bda1-9b46b2066796_story.html

[M.14] JUDY MOTTL, **Fierce Mobile Healthcare** (May, 2014) "mHealth jewelry enables wearers to manage multiple wireless health devices." http://www.fiercemobilehealthcare.com/story/mhealth-jewelry-enables-wearers-manage-multiple-wireless-health-devices/2014-05-02

[M.13] STAFF, **The Greenville News** (April, 2014) "Notable: Caine Named to the Tech Advisory Board of the Freedom of the Press." http://www.greenvilleonline.com/story/news/local/pickens-county/2014/04/30/pickens-county-accomplishments/8511715/

[M.12] STAFF, **WLTX19** (April, 2014) "Clemson Researchers Create Jewelry To Monitor Health." http://www.wltx.com/story/features/2014/04/29/clemson-jewelry-monitor-health/8477551/

[M.11] STAFF , **NewsMedical** (April, 2014) "Researchers reveal computational jewelry to support mobile health applications." http://www.news-medical.net/news/20140430/Researchers-reveal-computational-jewelry-to-support-mobile-health-applications.aspx

[M.10] DAVID CARR , **Information Week** (December, 2013) "Hackers Outsmart Pacemakers, Fitbits: Worried Yet?" http://www.informationweek.com/healthcare/security-and-privacy/hackers-outsmart-pacemakers-fitbits-worried-yet/d/d-id/1113000?image_number=7

[M.9] CELIA BROWN , **Forbes** (November, 2013) "Geek Chic: Wearables for Fashionistas." http://www.forbes.com/sites/sap/2013/11/09/geek-chic-wearables-for-fashionistas/

[M.8] EPHRAIM SCHWARTZ, **mHealthNews** (November, 2013) "The next big thing in fashion: mHealth jewelry." http://www.mhealthnews.com/news/next-big-thing-fashion-mhealth-jewelry

[M.7] NEIL VERSEL, **Mobihealthnews** (October, 2013) "Dartmouth, Clemson test 'computational jewelry' for body monitoring." http://mobihealthnews.com/26918/dartmouth-clemson-test-computational-jewelry-for-body-monitoring/

[M.6] ANDERS THORESSON, **Forskning & Framsetg (Research & Progress)** (October, 2013) "Ditt bästa lösenord är undermedvetet (Your Best Password is One Even You Don't Know)." http://fof.se/tidning/2013/9/artikel/ditt-basta-losenord-ar-undermedvetet

[M.5] DANIEL WAGNER, **Associated Press (Ja**nuary, 2012) "Swartz' death fuels debate over computer crime". http://www.google.com/hostednews/ap/article/ALeqM5g7d28WaQiHKaFssxfj-VyrOAUpcg?docId=f7f447ce92674029b28cd933c4a05bc9

[M.4] CRAIG TIMBERG, **Washington Post** (September, 2012) "Romney Video Shows Collapse of Private Spaces". http://www.washingtonpost.com/business/economy/romney-video-shows-collapse-of-private-spaces/2012/09/18/e3b4313c-01ba-11e2-b260-32f4a8db9b7e_story.html

[M.3] AMY NOVOTHNEY, **gradPSYCH** (November, 2011) "Mixing it up :What are the pros and cons of aligning yourself with a hybrid field?" http://www.apa.org/gradpsych/2010/11/cover-mixing.aspx

[M.2] HANSI LO WANG, **National Public Radio (NPR) (** July, 2011) "Hunting For A Password That Only You Will Know". www.npr.org/2011/07/25/138672758/hunting-for-a-password-that-only-you-will-know

[M.1] HILARY STOUT, **New York Times,** (July, 2010) "Technologies Help Adult Children Monitor Aging Parents". http://www.nytimes.com/2010/07/29/garden/29parents.html?pagewanted=all

RESEARCH FUNDING

Funding Summary
- $9 million (not including collaborative award portions); $3.1 million as portion of work
- Awards from NSF, ONC/HHS, I3P & Clemson

Agency (Org)	Title	Amount (total)	Amount (Caine)	Role	Year
NSF	CICI: UCSS: Maximizing Data Utility and Participant Privacy through Usable, Secure Data Workflows for Human-Centered AI Research (2232690)	$600,000	$300,000	PI	2023 - 2026
NSF	Supplement for CICI: UCSS: Maximizing Data Utility and Participant Privacy through Usable, Secure Data	$16,000	$8,000	PI	2023 - 2026

	Workflows for Human-Centered AI Research (2232690)				
NSF	SaTC: CORE: Medium: Collaborative: Cryptographic Provenance for Digital Publishing (1940679)	$435,530 [d]	$435,530 [d]	PI	2020 - 2025
NSF	Supplement for SaTC: CORE: Medium: Collaborative: Cryptographic Provenance for Digital Publishing (1940679)	$132,898	$132,898	PI	2020 – 2025
NSF	CLB Supplement for SaTC: CORE: Medium: Collaborative: Cryptographic Provenance for Digital Publishing (1940679)	$66,383	$66,383	PI	2020 – 2025
NSF	REU Supplement for SaTC: CORE: Medium: Collaborative: Cryptographic Provenance for Digital Publishing (1940679)	$8,000	$8,000	PI	2020 – 2025
NSF	EAGER: SaTC-EDU: Mathematically-grounded metaphors to teach AI-related cybersecurity (2039616)	$335,982 [d]	$111,994 [d]	Co-PI	2020 – 2022
NSF	REU Supplement for EAGER: SaTC-EDU: Mathematically-grounded metaphors to teach AI-related cybersecurity (2039616)	$16,000	$5,333	Co-PI	2020 – 2022
NSF	RET Supplement for EAGER: SaTC-EDU: Mathematically-grounded metaphors to teach AI-related cybersecurity (2039616)	$20,000	$6,666	Co-PI	2020 – 2022
Clemson	CURI Faculty Fellow	$18,498	$18,498	PI	2019 – 2020
NSF (CNS)	ABR: Collaborative Research: Smart earpiece for supporting healthy eating behaviors (1835974)	$457,425 [d]	$228,712 [d]	Co-PI	2018 – 2024
NSF (CNS)	ABR: Collaborative research: Computational Jewelry for Mobile Health (1565268)	$412,420 [d]	$206,210 [d]	Co-PI	2016 – 2019
NSF (CNS)	'''	$16,000	$8,000	Co-PI	2017 – 2019
NSF (CNS)	CSR: Large: Collaborative Research: Smart earpiece for supporting healthy eating behaviors (1565268)	$374,646	$187,323 [a]	Co-PI	2016 – 2019
NSF (CNS)	CI-New: Collaborative Research: HomeSHARE - Home-based Smart Health Applications across Research Environments (1629437)	$505,159	$14,455 [a]	PI	2016 – 2019
NSF (CNS)	Studying Journalists to Identify Requirements for Usable, Secure, and Trustworthy Communication (1513875)	$561,246	$304,924[a]	PI	2015 – 2018
NSF (IIS)	Privacy-aware Collaborative Data Sharing in Human-centered Social Networks (1527421)	$499,767	$166,589[a]	Co-PI	2015-2019
NSF (REU)	""	$16,000	$8,000	Co-PI	2017-2019
NSF (CNS)	CI-P: HomeSHARE – Home-Based Smart Health Applications Across Research Environments (1405723)	$99,301	$10,967 [b]	PI	2014 – 2015
Clemson	TIGER: Smart Transportation Energy System Program	$10,000	$2,500 [a]	Co-PI	2014 - 2015
NSF (CNS)	Computational Jewelry for Mobile Health (1314342)	$ 524,680	$262,340[a,d]	Co-PI	2013 - 2016
NSF (REU)	""	$24,680	$12,340 [a]	Co-PI	2014
NSF (IIS)	Privacy-Enhanced Technologies to Support Underserved Older Adults Age in Place (1117860)	$499,944	$249,972[a]	PI/Co-PI[c]	2011 – 2015

NSF (REU)	""	$15,960	$7,980 [a]	PI/Co-PI[C]	2015
NSF (REU)	""	$16,000	$8,000 [a]	PI/Co-PI[C]	2014
NSF (REU)	""	$37,600	$18,800 [a]	PI/Co-PI[C]	2013
NSF (CNS)	Crowdsourcing Security (1228364)	$366,610	$114,275 [a]	PI/Co-PI[C]	2012 – 2015
ONC HIT	Aspiring to Awesome: Advanced Query for Patient Care (90HT0054/01)	$1,718,439	$47,441[b]	PI/Co-I[C]	2011 – 2014
I3P	Privacy Frameworks (2006-CS-001-000001)	$1,200,000	$150,250 [a]	PI/Co-PI[C]	2011 – 2013

[a] As percent of work
[b] Sub-contract portion only
[C] PI at Clemson; at time of award (at Indiana) Co-PI or Co-I
[d] Total including supplements

TEACHING

Courses Taught

Course	Title	Semester	Enrollment	Teaching Effectiveness[1]
HBV 507M	Usable Cybersecurity (University of Iceland)	Fall 2024	11	4.89
CPSC 4820	Usable Security and Privacy	Spring 2024	28	4.63
CPSC 6820	Usable Security and Privacy	Spring 2024	3	4.33
CPSC 4820	Usable Security and Privacy	Fall 2023	37	3.44
CPSC 6820	Usable Security and Privacy	Fall 2003	10	4.20
HCC 8330	Research Methods in Human-Centered Computing	Fall 2023	18	4.41
CPSC 4820	Usable Security and Privacy	Spring 2023	33	Question not included
CPSC 6820	Usable Security and Privacy	Spring 2023	11	Question not included
CPSC 4820	Usable Security and Privacy	Fall 2022	41	4.29
CPSC 6820	Usable Security and Privacy	Fall 2022	9	4.38
HCC 8330	Research Methods in Human-Centered Computing	Fall 2022	6	5 (online eval only)
CPSC 4820	Usable Security and Privacy	Spring 2022	38	3.59 (online eval only)
CPSC 6820	Usable Security and Privacy	Spring 2022	8	4.38 (online eval only)
CPSC 4820	Usable Security and Privacy	Fall 2021	43	3.73 (online eval only)
CPSC 6820	Usable Security and Privacy	Fall 2021	5	4.6 (online eval only)
HCC 8330	Research Methods in Human-Centered Computing	Fall 2020	15	4.38 (online eval only) *two instances of academic dishonesty affected ratings
CPSC 4820	Usable Security and Privacy	Spring 2020	25	Covid-19
CPSC 6820	Usable Security and Privacy	Spring 2020	6	Covid-19
CPSC 8810	Advanced Usable Security and Privacy	Spring 2020	6	Covid-19
CPSC 4820	Usable Security and Privacy	Spring 2019	20	4.43 (online eval only)
CPSC 6820	Usable Security and Privacy	Spring 2019	5	5 (online eval only)
HCC 8330	Research Methods in Human-Centered Computing	Fall 2018	7	4.86 (online eval only)
HCC 8310	Fundamentals of Human-Centered Computing	Fall 2018	13	4.85 (online eval only)
CPSC 4820	Usable Security and Privacy	Fall 2017	39	3.30 (online eval only)
CPSC 6820	Usable Security and Privacy	Fall 2017	5	3.25 (online eval only)

HCC 8330	Research Methods in Human-Centered Computing	Fall 2017	19	4.67 (online eval only)
CPSC 4820	Usable Security and Privacy	Fall 2016	26	3.78 (online eval only)
CPSC 6820	Usable Security and Privacy	Fall 2016	10	4.88 (online eval only)
HCC 8330	Research Methods in Human-Centered Computing	Fall 2016	15	3.17 (online eval only)
CPSC 4140	Human and Computer Interaction	Spring 2016	37	4.18 (online eval only)
CPSC 6140	Human and Computer Interaction	Spring 2016	10	4.29 (online eval only)
HCC 8310	Fundamentals of Human-Centered Computing	Fall 2015	24	4.38 (online eval only)
HCC 8330	Research Methods in Human-Centered Computing	Fall 2015	5	4.25 (online eval only)
CPSC 4140	Human and Computer Interaction	Spring 2015	17	4.31
CPSC 6140	Human and Computer Interaction	Spring 2015	15	4.27
HON 2060	Honors Privacy Cybersecurity and Freedom	Spring 2015	12	4.91
HCC 8810	Research Methods in Human-Centered Computing	Fall 2014	10	4.70
HCC 8810	Health Informatics	Spring 2014	8	4.6
CPSC 4810	Usable Security and Privacy	Fall 2013	8	5
CPSC 6810	Usable Security and Privacy	Fall 2013		
HCC 881	Measurement & Evaluation of Human-Centered Computing Systems	Spring 2013	13	4.53
PSYC 2015	Research Methods	Fall 2008	65	N/A
PSYC 1101[2]	Introductory Psychology	Fall 2007	64	N/A

[1]Mean: Overall, the instructor is an effective teacher. (1 = Strongly Disagree; 5 = Strongly Agree)
[2]Team taught
NOTE: Spring 2021 no teaching; family support accommodation plan (maternity leave)

Lectures

Lecture Title	Course Title	Location	Year
Cryptography for News Provenance	Design and Implementation of User Interfaces	UNC Chapel Hill's Computer Science Department	2022
Understanding Your Users	User Interface Development	College of Charleston	2019
Privacy and Surveillance	Art History	Clemson	2017
Human Aspects of Cryptography	Mathematical Cryptography	Clemson	2015
Usable Privacy and Security	Fundamentals of HCC	Clemson	2014
The Human Factors of Privacy	Engineering Psychology	Georgia Tech	2013
Research Methods for Informatics and Computing	Health Informatics	Indiana University	2012
Psychophysics and Basic Human Visual Sensation and Perception	Visual Analytics	Indiana University	2012
Aging in Place	Health Informatics	Indiana University	2010
Health and Medical Informatics: Opportunities for Computer Scientists	Honors Seminar for CS & Informatics Undergraduates	Indiana University	2010
Eye-Tracking for Ubiquitous Computing	Pervasive Computing: UbiComp & HCI	Indiana University	2009
Human-Computer Interaction	Engineering Psychology	Georgia Tech	2008
The Structured Interview Method	Graduate Research Methods	Georgia Tech	2005 2006

			2007
Focus Groups	Graduate Research Methods	Georgia Tech	2005 2006 2007
Focus Groups	Applied Experimental Psychology	Georgia Tech	2005 2006 2007
Coding Qualitative Data	Research Methods	Georgia Tech	2005 2006 2007
Mentoring and Menteeing	Research Methods	Georgia Tech	2007
User Centered Design	Computers, Communications and International Development	Georgia Tech	2007
Advanced Technology, Privacy & Cross Cultural Issues	Applied Experimental Psychology	Georgia Tech	2006

Research Scientist

Staff	Project (Funding)	Years Supervised	Current Employer
Emily Sidnam	NewsAuth	2021 – 2024	Clemson University

Post-Doctoral Mentees

Student	Project (Funding)	Years Supervised	Current Employer
Mahdi Al-Ameen	JournoSec	2016 – 2018	Utah State University
Vivian Motti	Amulet	2014 – 2015	George Mason University
Matthew Francisco[1]	SOLACE	2012 – 2014	Indiana University
Carrie Lawrence	A2A	2012 – 2014	Indiana State University
Sameer Patil[2]	Privacy Frameworks	2011 – 2012	Indiana University
Rima Hanania[1]	A2A	2011 – 2012	Indiana University

[1] Co-Supervised with Kay Connelly
[2] Co-Supervised with Apu Kapadia

PhD Committee Chair

Student	Dissertation Title	Years Supervised	Awards	Current Employer
Catherine Barwulor	TBD	2022 -	GEM	
Cheng Guo	TBD	2014 – 2024 (expected)		Google
Brodrick Stigall	N/A	2018 – 2024	Graduate International Research Experience (GIRE), GEM	University of Memphis
Erroll Francis	TBD	2020 – 2025 (expected)	NDSEG, GEM, Call Me Doctor	TBD
Byron Lowens	Interaction Techniques for In-the-Moment Privacy Control Over Data Generated by Wearable Technologies	2014 – 2021	Heidelberg Laurate, Outstanding HCC PhD Student, Computing Innovation Fellow	University of Michigan
Yifang Li	Investigating Obfuscation as A Tool to Enhance Photo Privacy on Online Social Networks	2015 – 2020	Outstanding HCC PhD Student	Roku
Melva James	Iterative Design and Testing of a Mobile Application to Support Food Consumption Monitoring and Decision Making	2014 – 2015		MIT Lincoln Labs

PhD Committee

Student	Dissertation Title	Years Supervised	Department/Institution
Emily Parcell	TBD	2024 – 2027 (expected)	Engineering Psychology, Georgia Tech
Jacob Logas	Casualizing Privacy: Bridging the Gap between Anti-Facial Recognition and Everyday Motives for Sharing	2023 – 2025 (expected)	CS, Georgia Tech
Ella Kokinda	Exploring the Pedagogical Impact of Development Live Streams: Informal Learning Opportunities for Software and Game Developers	2023 – 2026 (expected)	CS
Makayla Moster	Learning Through Online Participation: From Breakout Rooms to Discord	2023 – 2026 (expected)	CS
Heba Aly	Revolutionizing Digital Privacy Education for Older Adults: Enhanced Interventions and AI-Assisted Learning Strategies	2024 – 2026 (expected)	HCC
Sushmita Khan	TBD	2023 – 2026 (expected)	HCC
Ananya Gupta	TBD	2022 – 2026 (expected)	HCC
Nishant Vishwamitra	TBD	2019 -	CS
Reza Ghaiumy Anaraky	Empowering Older Adults With Their Digital Privacy Management	2017 - 2022	HCC
Daricia Wilkinson	Fair, Equitable, and Just: A Sociotechnical Approach to Online Safety in the Caribbean	2018 - 2022	HCC
Moses Namara	Evaluating Privacy Adaptation Presentation Methods to support Social Media Users in their Privacy-Related Decision-Making Process	2018 – 2022	HCC
Paritosh Bahirat	Smart Home Privacy Decision Making: A Web of Context, Conceptual Models, Heuristics and Interfaces	2019 - 2021	HCC
Marie Jarell	The Importance of Play: Identification with Video Game Characters' Intersectional Effects on Bias	2019 - 2020	HCC
Lorenzo Barberis Canonico	Human-Machine Teamwork: An Exploration of Team Cognition, Collective Intelligence, and Swarm Intelligence	2019 - 2020	HCC

Cazembe Kennedy	Misconception-Based Feedback: An Active Learning Technique To Address Computer Science Misconceptions	2017 - 2020	HCC
Brian Gaines	Machinic Eyes: New and Post-Digital Aesthetics, Surveillance, and Resistance	2017 - 2019	RCID
Qatrunnada Ismail	Crowdsourcing Permission Settings for Mobile Apps to Help Users Balance Privacy and Usability	2012 – 2018	Indiana University (SoIC)
Andrea Campbell	Technology Assisted Sexual Health Agent (TASHA)	2015 – 2016	HCC
Shelby Darnell	EngageME: The Design and Implementation of a Reflective Tool for Evaluating Student Engagement	2014 – 2015	HCC
Yushi Yang	Hands-free Communication Device Mediated Interruption Dynamics: Understanding Context-based System Factors in a Nursing Work System	2014 – 2015	Industrial Engineering

MS Committee

Student	Thesis Title	Years Supervised	Department
Andrew Miller	Non-thesis	2022	Computer Engineering
Heather Watkins	User Perceptions and Stereotypic Responses to Gender and Age of Voice Assistants	2020 – 2021	Psychology
Claire Textor	The Effects of Increasing Degree of Unreliable Automation on Older Adults' Performance	2019 - 2021	Psychology
Moses Namara	Non-thesis	2017 – 2019	Computer Science
Daricia Wilkinson	Non-thesis	2016 - 2019	Computer Science
Jeremy Lopez	Trust Strategies in Consumer Multiple-Component Home Automation	2017 - 2018	Psychology
Kevin Storer	Nuanced Views of Pedagogical Evaluation	2016 – 2017	Computer Science
Jessica Branyon	Investigating Older Adults' Trust, Causal Attributions, and Perception of Capabilities in Robots as a Function of Robot Appearance, Task and Reliability	2015 – 2016	Psychology
William Leidheiser	The Effects of Age and Working Memory Demands on Automation-Induced Complacency	2014 – 2017	Psychology

MFA Committee

Student	Thesis Title	Years Supervised	Department

Brianne Campbell	Surfacing Jellyfish for *Peanut Butter Jelly*	2013 – 2015	DPA

MSHCI & MFA Students

Student	Publications	Years Supervised	Current Employer
Likitha Valluru	TBD	2019 - 2021	Computer Science
Brianne Campbell	J.8	2013 – 2015	Clemson University
Marie Jarrell	TBD	2012 – 2015	Clemson Universiy
Chen Liang	TBD	2012 – 2013	Tk20
Pranav Gupta	O.15	Spring, 2012	Treatspace
Barbara Belsito[3]	TBD	Spring, 2012	StubHub (eBay)
Zachary Lovall[3]	TBD	Spring, 2012	Sabre Holdings
Matt Holfelner	O.15, O.17	Spring 2011 – Spring 2012	Netsmart
Pascal Lola[3]	TBD	Spring 2011	Clemson
Michelle Kwasny	C.9, TR.7, TR.8, O.6	Fall 2006 – Spring 2008	IDEO

[3] Centerstone Research Institute Interns (Co-supervised with Kay Connelly & Frank Stevens)

Senior Theses

Student	Thesis Title	Years Supervised	Current Employer
Matthew Bauerlin	*A Programmatic Analysis of Source Identification in Print Journalism*	2015 – 2016	Teligy
Alan Poole	*Errors in Disclosure and Computer Mediated Systems*	Fall 2008 – Fall 2009	Troutman Sanders
Kaylee Burnham	*The Effects of Experience with a Technology on Privacy Concerns and Disclosure of Health Information*	Spring 2006 – Spring 2008	University of Connecticut
Rachael Stewart[5]	*Dual-Task Interference in Implicit Sequence Learning*	Fall 2003 – Spring 2005	Emory University

Undergraduate Students

Count	Student	Publications	Years Supervised
83	Michael Ellis		2024
82	Zileyah Onafowora		2024
81	Sarah Mendoza		2024
80	Sehoon Park		2024
79	Mary Love Gurrieri		2024
78	Khadija Wane		2024
77	Drew Schlesener		2023 - 2024
75	Samya Potlapalli	C.48	2023 - 2024
74	Claire Gendron		2023
73	Noel Mathew		2023
72	Alex Rishmawi		2023
71	Andres Martinez		2022
70	Sahithi Korrapati		2022

69	Kimberly Brown	C.48	2022 – 2024
68	Ali Khan		2022 – 2023
67	Ayana Monroe	J.22, J23, C.48, C.40, C.41, C.42, C.43, w.16	2020 – 2023
66	Phillip Nelson	c.18, C47	2021 – 2022
65	Gianna Schneider		2020
64	Marcelino Velasquez		2020
63	Freeman Stoddard		2019
62	Cayden Wagner		2019 - 2020
61	Mackenzie Binns		2019
60	Micheala Bennekin		2019
59	Helena Upshaw		2018
58	Subina Saini	b.5	2014 – 2018
57	Jessica Sands		2017 – 2018
56	Wyatt Troutman	w.13	2017 – 2018
55	Ian Neal Fairbanks		2017 – 2018
54	John Xue		2017 – 2020
53	Kaitlin Helfter		2017 – 2018
52	Mary Jo May		2017 – 2018
51	Sandhya Rajasabeson		2017 – 2018
50	Blake Thrower		2017
49	Jordan Minoda		2017
48	Tracy (Duyen) Nguyen		2017
47	Brian Justice		2016 – 2017
46	Amanda Todd		2016
45	Sameer Singh		2016
44	Jenna Darrah		2015 – 2016
43	Omar Mayar		2015
42	Emily Matthews		2015
41	Darrell Best		2015
40	Michael Conner		2015
39	Trevor (Keanau) Ormson		2014
38	Victor (Dane) Smith		2014
37	Peter Barnett		2014 -2015
36	Kimberly Shappell		2014
35	Cameron Lemere		2014
34	Spencer Kohn	J.11, W.3	2012 – 2014
33	Ingrid Arreola	C.18	2011 - 2014
32	Justin Stephens		2013 - 2014
31	Natalie Smoot		2013 - 2014
30	Hayley McConnell		2013 - 2014
29	Zack Robinson		2012 - 2013
28	Megan Holder		2012 - 2013
27	James O'Dwyer		2012
26	Robyn Evans[1]		2012 - 2014
25	Elijah Moon[1]		Summer 2012
24	JerNettie Burney[12]		Summer 2012
23	Morgan Soladine	w.4	2011 - 2014
22	Michele Deggs	O.15, O.17	2011 - 2012
21	Michael Kinkoph		2011 - 2012
20	Nathan Michalik	P.42	2011 - 2012

19	Mary Carter	C.14	Spring 2011 – Fall 2011
18	Bernard Nyuykongo [1,4]		Summer 2010
17	Brook Dawit [1,4]		Summer 2010
16	Danqing Ye		Spring 2010 – Spring 2011
15	Celine Zimmerman	J.4, C.13, B.3 & O.12	2009 – 2011
14	Austin Buono	Final Presentation: A Health Recommender System for Patients Utilizing Patient Contributed Data	Spring 2010
13	Kate Hawkins		Spring 2010
12	Tom Hortemiller		Spring 2010
11	Alex Rogers		Spring 2010
10	Alan Poole	C.11, PURA[6]: Collaborative Technologies: Understanding the Technology Needs of Older Adults and Home Health Care Providers	2008 – 2009
9	Jamie Diagostino		2008 – 2009
8	Melissa Hayes		Summer 2008
7	Kaylee Burnham	C.9 PURA[6] Technology Use by Older Adults	2006 – 2008
6	Daniel Shorr	PURA[6] *Factors of Technology Acceptance*	2006 – 2007
5	Alex Onstott		Fall 2006
4	Shervin Hadizadeh		Summer 2005 – Fall 2005
3	Emily Seifert	PURA[6] *Business and Psychological Aspects of Technology Acceptance*	Summer 2005 – Fall 2006
2	Kathryn Goins		Fall 2005
1	Rachael Stewart[5]		Fall 2003 - Spring 2005

[1] HBCU REU

[2] Co-Supervised with Kay Connelly

[3] Co-supervised with Selma Šabanović, Indiana University SOIC Research Scholar's Program

[4] Co-supervised with William Hazelwood

[5] Co-supervised with Tim Nichols

[6] President's Undergraduate Research Award

National Academies

- Panelist, The National Academies of Sciences, Engineering, and Medicine (NASEM) 2024
  Assessment of the National Institute of Standards and Technology's (NIST)
  Information Technology Laboratory

Advisory Board

- Dean's Advisory Board, Clemson University   2015 - 2019
- Mozilla, Cyber Security Advisory Board   2014, 2015
- Freedom of the Press Foundation, Technical Advisory Board   2014 - 2019
- Open Technology Fund, Secure Usability Fellowship Advisory Board   2015
- Cybersecurity Task Force, Clemson University   2016
- University of Maryland and Institute of Museum and Library Services   2016 - 2019

Editorship

- Guest Editor: *IEEE Security & Privacy* (Special Issue on Health IT)   2013

Editorial Board

- Proceedings on Privacy Enhancing Technologies (PoPETs)   2014 - 2018

Technical Program Committee Chair

- ACM SIGCHI Associate Chair   2018 - 2019
- HotPETs: Program Co-chair   2014, 2015
- HFES Healthcare Symposium: Track Co-chair (Health IT)   2013
- HFES: Program Chair, Aging Technical Group   2011, 2012
- Pervasive Health: Doctoral Consortium Co-chair   2012
- Pervasive Health: Demos Co-chair   2011
- SIGHIT: ACM Conference on Health Informatics: Demo/Poster Co-chair   2012

Technical Program Committee

- CHI WiP: ACM Conference on Computer Human Interaction   2012, 2013, 2014
- Grace Hopper   2015
- EuroUSEC: European Workshop on Usable Security   2016
- HealthTech: USENIX Workshop on Health Technology   2015
- HFES: Healthcare Symposium   2012, 2014
- HotPETs: Workshop on Hot Topics in Privacy Enhancing Technologies   2014
- NordiCHI: Workshop on Designing Self-care for Everyday Life   2014
- PervasiveHealth: International Conference on Pervasive Computing for Health   2013
- PETools Workshop on Privacy Enhancing Technologies   2013
- PETS: Privacy Enhancing Technologies Symposium   2014, 2015
- SPIMACS: Workshop on Security and Privacy in Medical Systems (w/ACM CCS)   2010
- USENIX Security   2012
- EuroUSEC: European Workshop on Usable Security   2016
- WPES: Workshop on Privacy in the Electronic Society   2014

Organizing & Community Chair

- HFES: Chair, Aging Technical Group   2015, 2016
- CHI: Co-chair, Health Community   2012, 2013
- HFES: Morning Maddness: Founder and Co-chair   2010, 2011, 2012

Reviewing (Grant Funding)

- Computing Innovation Fellows Reviewer   2020

▪ National Science Foundation Panelist	2012 – 2014; 2016, 2020, 2022 - 2023
▪ National Science Foundation Ad Hoc Reviewer	2024
▪ National Science Foundation Committee of Visitors	2021
▪ National Defense Science and Engineering Graduate (NDSEG) Fellowship Panelist	2019
▪ Swiss National Science Foundation (SNSF)	2017
▪ Indiana CTSI Sustainable and Collaborative Informatics Projects	2012
▪ Institute for Information Infrastructure Protection (I3P)	2011

Reviewing (Journals)

▪ ACM Transactions on Computing for Healthcare Review	2019
▪ Communications of the ACM	2012
▪ Computers & Security	2019, 2020
▪ Engineering Applications of Artificial Intelligence	2011
▪ Human Computer Interaction	2013
▪ IEEE Security & Privacy	2011-2014
▪ IIE Transactions on Occupational Ergonomics and Human Factors	2013, 2014
▪ Information Technologies and International Development (ITID)	2007
▪ Information Systems Research	2014, 2015
▪ Interacting with Computers	2010
▪ IMWUT	2019
▪ Journal of the American Society for Information Science and Technology	2010
▪ Journal of Computer Mediated Communication	2012
▪ Journal of Medical Systems	2011, 2012
▪ Journal of the American Medical Informatics Association	2011, 2013, 2016
▪ Journal of the American Society for Information Science and Technology	2010
▪ Personal and Ubiquitous Computing Journal	2014
▪ Transactions on Computer-Human Interaction (TOCHI)	2013, 2014
▪ Transactions on Social Computing	2019

Reviewing (Conference Proceedings & Workshop Papers)

▪ AMIA: American Medical Informatics Association Annual Symposium	2012
▪ CHI: ACM Conference on Computer Human Interaction	2008 – 2020
▪ CSCW: ACM Conference on Computer Supported Collaborative Work	2013, 2014
▪ CSCW: Workshop on Measuring Networked Social Privacy	2013
▪ DIS: ACM Conference on Designing Interactive Systems	2012
▪ Grace Hopper: Security & Privacy Track	2015
▪ HFES: Healthcare Symposium	2013, 2014
▪ HFES: Human Factors and Ergonomics Society	2005 – 2024
▪ HotPETs: Workshop on Hot Topics in Privacy Enhancing Technologies	2014
▪ PervasiveHealth: International Conference on Pervasive Computing for Health	2013
▪ PETools Workshop on Privacy Enhancing Technologies	2013
▪ SIGHIT: ACM Conference on Health Informatics	2012
▪ SOUPS: Symposium on Usable Security & Privacy	2013 – 2014
▪ UbiComp: ACM Conference on Ubiquitous Computing	2014
▪ USENIX Security	2012

Reviewing (Awards)

▪ CECAS Senior Researcher of the Year Award	2024
▪ CHI Student Research Competition	20XX
▪ HFES Aging TG Best Student Paper Award	2012
▪ HFES Healthcare TG Best Student Paper Award	2011
▪ HFES mHealth Design Competition	2015

- NCWIT: Awards for Aspirations in Computing   2011

Reviewing (Judging)
- Judge, Women in Science Research Competition, Indiana University   2012
- Judge, UROC Poster Competition, Indiana University   2012

Other Professional Service
- Clemson SoC HCC Program Coordinator   2022 - Present
- Clemson SoC HCC Faculty Recruiting Committee, Chair   2016 - 2018
- Clemson SoC HCC TPR Committee   2016 - 2023
- Advisor, UPIC Internship Program   2020
- I3P: Institute for Information Infrastructure Protection
    - Senior Research Fellow   2012 – 2014
    - Executive Committee   2012
    - Principal Representative   2011, 2012
- Consortium for Education and Social Science Research Workshop in Methods
    - Faculty Advisory Board Member   2010 – 2012
- Undergraduate Women in Computing, Indiana University
    - Advisor   2011
- HFES: Aging Technical Group
    - Secretary/Treasurer   2009, 2010
- HFES: Human Factors Award Task Force   2023
- Informatics and Computing Research Scholar's Program
    - Mentor   2009 – 2011
- Human Factors and Ergonomics Society – Atlanta Chapter
    - Treasurer   2004 - 2008

PROFESSIONAL SOCIETY MEMBERSHIPS

Association of Computing Machinery, 2007 – Present
ACM SIGCHI, 2007 – Present
Human Factors and Ergonomics Society, 2004 – Present