CERTIFICATION

I have read the following and certify that it is a current and accurate statement of my professional record as of 1 February 2023.

[signature: Tamara L. Clegg]

Curriculum Vitae of
TAMARA CLEGG

University of Maryland, College Park
2109H Patuxent Building
College Park, MD 20742
tclegg@umd.edu   www.tamaraclegg.com

Curriculum Vitae Updated: February 1, 2023

PERSONAL INFORMATION
UID: tclegg

NAME: Tamara Clegg

CONTACT INFORMATION:
                         5903 Chestnut Hill Rd.
                         College Park, MD 20740

CURRENT RANK: Associate Professor
APPOINTMENT: 2021

DEPARTMENTS: College of Information Studies

EDUCATIONAL BACKGROUND
            Ph.d. August 2010
            School of Interactive Computing
            College of Computing, Georgia Institute of Technology
            Dissertation: Kitchen Science Investigators: Building Identity as Scientific
            Reasoners and Thinkers
            Advisor: Dr. Janet Kolodner

            B.S. Computer Science 2002
            North Carolina State University
            Summa cum laude

EMPLOYMENT BACKGROUND

7/21 -	Associate Professor with tenure
		College of Information Studies

8/18 – 7/21	Associate Professor with tenure - appointments in:
		College of Information Studies (tenure home – 75%)
		Department of Teaching and Learning, Policy and Leadership, College of Education
		(25%)

8/16 – 8/18	Assistant Professor with appointments in:
		College of Information Studies (tenure home – 75%)
		Department of Teaching and Learning, Policy and Leadership, College of Education
		(25%)

8/12 – 8/16	Assistant Professor with appointments in:
		Department of Teaching and Learning, Policy and Leadership, College of Education
		(tenure home - 75%)
		College of Information Studies (25%)

9/10 – 8/12	Computing Innovations Fellow
		College of Information Studies
		University of Maryland, College Park, MD
		Postdoctoral Advisor: Dr. Allison Druin
		Project: The Design of Life-Relevant Learning Technology and Activities

8/07 – 5/10	Graduate Teaching Assistant
		School of Interactive Computing
		College of Computing
		Georgia Institute of Technology, Atlanta, GA

8/09 – 12/09	Graduate Research Assistant
		School of Public Policy
		Georgia Institute of Technology, Atlanta, GA

1/04 – 8/10	Graduate Research Assistant
		School of Interactive Computing
		College of Computing
		Georgia Institute of Technology, Atlanta, GA

6/04 – 7/04	Software Developer
		AT&T Research Laboratory
		Florham Park, NJ

6/98 – 8/03	Software Developer and Tester
		International Business Machines
		Durham, NC

Research, Scholarly, Creative and/or Professional Activities
In all references, my name is in bold.
I have actively worked on every publication in which my name appears.
# Indicates students that I actively mentored in the publication.
For articles in refereed journals, I have included the most recent impact factor (when data is available).
For full papers published in conference proceedings, I have included the acceptance rate of the conference (when data is available).

Chapters in Books

1. Subramaniam, M. & **Clegg, T.** (2021). Designing Learning Experiences with and for Families. In E. Lopez, Mehra, B., & M. Caspe (Eds.) *Libraries and Families*.

2. **Clegg, T.,** Subramaniam, M. (2019). Redefining Mentorship in Facilitating Interest-driven Learning in Libraries. In A. Phillips & V. Lee (Eds.), *Reconceptualizing Libraries: Perspectives from the Information and Learning Sciences*. New York: Routledge.

3. Ahn, J., & **Clegg, T.** (2018). Human-Computer Interaction and Education: Designing for Technology-Enhanced Learning Experiences. *The Wiley Handbook of Human Computer Interaction*, *2*, 821-830.

4. #Uchidiuno, J., **Clegg, T.,** Ahn, J., Yip, J., Bonsignore, E., Pauw, D., Beck, A., & Mills, K. (2017). Learning About Learning Through Participatory Design with Families. In B. DiSalvo, C. DiSalvo, E. Bonsignore, & J. Yip (Eds.), *Participatory Design for Learning: Perspectives from Practice and Research*. New York: Routledge.

Articles in Refereed Journals

1. Greene, D., Beard, N., **Clegg, T.,** & Weight, E. (*Revision Submitted*). The Visible Body and the Invisible Organization: Information Asymmetry and College Athletics Data. Submitted to *Big Data & Society.*

2. **Clegg, T.,** #Hernley, K., Ahn, J., Yip, J., Bonsignore, E., Pauw, D., & Pitt, C. (*Accepted with Minor Revisions*). It Takes a Village: Relational Dispositions that Fuel Community Science Learning. Submitted to *American Educational Research Journal*. [Impact Factor – 4.503]

3. **Clegg, T.,** #Cleveland, K., Weight, E., Greene, D., & Elmqvist, N. (2022). Data Everyday: Athletes' Critical Data Literacy Practices in Collegiate Sports Contexts. Early Publication in *Journal of Research in Science Teaching*. [Issue forthcoming] [Impact Factor – 4.832]

4. Tissenbaum, M., Weintrop, D., Holbert, N., & **Clegg, T.** (2021). The Case for Alternative Endpoints in Computing Education. *British Journal of Educational Technology,* 52(3), 1164-1177. [Impact Factor – 5.268]

5. Richard, G., **Clegg, T.,** & Smith, B. (2020). Special Issue: Reframing Designs for Learning in Context: Culturally-situated and Social Justice Research and Approaches in the Learning and Information Sciences. *Information and Learning Sciences*, 121(1/10), 705-709. [Impact Factor – 1.495]

6. **Clegg, T.,** Preece, J., Warrick, E., Pauw, D., Boston, C., & Cameron, J. (2019). Community-Driven Informal Adult Environmental Learning: Using Theory as a Lens to Identify Steps Toward Concientización. *Journal of Environmental Education*, 1-17. [Impact Factor – 1.033]

7. #Mills, K., Pitt, C., Yip, J., Ahn, J., Pauw, D., Bonsignore, E., & **Clegg, T.** (2019). Connecting Children's Scientific Funds of Knowledge Shared on Social Media to Science Concepts. *International Journal of Child-Computer Interaction*. 21, 54-64. [Impact Factor – 3.87]

8. Kumar, P., Vitak, J., Chetty, M., & **Clegg, T.** (2019). The Platformization of the Classroom: Teachers as Surveillant Consumers. *Surveillance & Society*, 17(12), 145-152.

9. Preece, J., Pauw, D., & **Clegg, T.** (2019). Interaction Design of Community-driven Environmental Projects (CDEPs): A case study from the Anacostia Watershed. *Proceedings of the National Academy of Sciences*, 116(6), 1886-1893. [Impact Factor – 12.78]

10. Ahn, J., **Clegg, T.,** Yip, J., Bonsignore, E., Pauw, D., Gubbels, M., Lewittes, B., & Rhodes, E. (2016). Seeing the Unseen Learner: Designing and Using Social Media to Recognize Children's Science Dispositions in Action. *Learning Media and Technology*, 41(2), 252 - 282. [Impact Factor – 1.702]

11. **Clegg, T.**, & Kolodner, J. (2014). Scientizing and Cooking: Helping Middle-School Learners Develop Scientific Dispositions. *Science Education*, 98(1), 36-63. [Impact Factor – 4.593]

12. Foss, E., Guha, M.L,, Papadatos, P., **Clegg, T.**, Yip, J., and Walsh, G. (2013). Cooperative Inquiry Extended: Creating Technology with Middle School Students with Learning Differences. *Journal of Special Education Technology, 28*(3), 33-46. [Acceptance rate – 11 - 20%]

13. **Clegg, T.,** & Kolodner, J. (2007). Bricoleurs and Planners Engaging in Scientific Reasoning: A Tale of Two Groups in One Learning Community. *Research and Practice in Technology Enhanced Learning,* 2(3), 239-265.

Articles in Refereed Conference Proceedings (with Archival Publications)
[Conference acceptance rates have been noted where this information could be found. These are refereed papers where all papers must be accepted or rejected without the opportunity for substantial revisions. The exception is the ACM CHI conference. Authors of ACM CHI refereed papers are given the opportunity to rebut any reviews, and revisions are expected if accepted. There are a minimum of 5 reviewers for any accepted CHI paper. CHI conference papers are considered to be journal-quality papers.]

14. Wagman, K., Blinder, E., Song, K., Vignon, A., Dworkin, S., **Clegg, T.,** Vitak, J., & Chetty, M. (*Submitted*). "We Picked Community Over Privacy": Privacy and Security Concerns Emerging from Remote Learning Sociotechnical Infrastructure During COVID-19. Submitted to the Proceedings of the 2023 Computer Supported Cooperative Work Conference (*CSCW '23*). New York, NY: ACM.

15. **Clegg, T.,** Greene, D., Beard, N., & Brunson, J. (2020). Data Everyday: Data Literacy Practices in a Division I Sports Context. In *Proceedings of SIGCHI Human Factors in Computing Systems* (CHI 2020). New York, NY: ACM. [Acceptance rate – 24.3%] * Paper received Honorable Mention Award (Top 5% of papers)

16. Fofang, J., Pauw, D., **Clegg, T.,** & Weintrop, D. (2020). Building for Robots: An Alternative Approach of Combining Construction and Robotics. In *Proceedings of Constructionism 2020 Conference*. Dublin, Ireland: Open Access Creative Commons.

17. Kang, S., Norooz, L., Bonsignore, E., Byrne, V., **Clegg, T.,** & Froehlich, J. (2019). PrototypAR: Prototyping and Simulating Complex Systems with Paper Craft and Augmented Reality. In *Proceedings of the 18th International Conference on Interaction, Design, and Children (IDC '19)* New York, NY: ACM.

18. #Mills, K., Bonsignore, E., **Clegg, T.,** Yip, J., Ahn, J., Pauw, D., & Pitt, C. (2019). Social Media in the Science Classroom: Bridging Funds of Knowledge to Scientific Concepts. In *C. Hmelo-Silver, M. Baker, & G. Gweon (Eds.), A Wide Lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: Proceedings of the 13th International Conference on Computer Supported Collaborative Learning (CSCL '19)*. Lyon, FR: International Society of the Learning Sciences.

19. Kumar, P., Chetty, M., **Clegg, T.,** & Vitak, J. (2019). Privacy and Security Considerations for Digital Technology Use in Elementary Schools. In Proceedings of SIGCHI Human Factors in Computing Systems (CHI 2019). New York, NY: ACM. [Acceptance rate – 23.8%]

20. #Byrne, V., Kang, S., Norooz, L., Velez, R., Katzen, M., Ade, A., Froehlich, J., & **Clegg, T.** (2018). Scaffolding Authentic Scientific Inquiry Experiences for Early Elementary Learners using Wearable Technology. In J. *Kay & R. Luckin (Eds.), Rethinking Learning in the Digital Age: Making the Learning Sciences Count: Proceedings of the 17th International Conference of the Learning Sciences (ICLS '18)*. London, UK: International Society of the Learning Sciences.

21. Cabrera, L., Ahn, J., Yip, J., **Clegg, T.,** Hernly, K., Bonsignore, E., Pitt, C., & Pauw, D. (2018). Exploring Practices on the Move: Facilitating Learning Across a Neighborhood. In J. *Kay & R. Luckin (Eds.), Rethinking Learning in the Digital Age: Making the Learning Sciences Count: Proceedings of the 17th International Conference of the Learning Sciences (ICLS '18)*. London, UK: International Society of the Learning Sciences.
    * Paper nominated for Best Student Paper award

22. Kumar, P., Vitak, J., Chetty, M., **Clegg, T.,** Yang, J., McNally, B., & Bonsignore, E. (2018). Co-Designing Online Privacy-Related Games and Stories with Children. In *Proceedings of the 17th International Conference on Interaction, Design, and Children (IDC '18)* New York, NY: ACM.

23. Mills, K., Bonsignore, E., **Clegg, T.,** Ahn, J., Yip, J., Pauw, D., Cabrera, L., Hernly, K., & Pitt, C. (2018). Designing to Illuminate Children's Scientific Funds of Knowledge Through Social Media Sharing. In *Proceedings of the*

17th International Conference on Interaction, Design, and Children (IDC '18) New York, NY: ACM.

24. Ahn, J., **Clegg, T.,** Yip, J**.,** Bonsignore, E., Pauw, D., Cabrera, L., Hernly, K., Pitt, C., Mills, K., Salazar, A., Griffing, D., Rick, J., & Marr, R. (2018). Science Everywhere: Designing public, tangible displays to connect youth learning across settings. In Proceedings of SIGCHI Human Factors in Computing Systems (CHI 2018). New York, NY: ACM. [Acceptance rate – 25.7%]

25. Kumar, P., Naik, S., Devkar, U., Chetty, M., **Clegg, T.,** & Vitak, J. (2018). 'No Telling Passcodes Out Because They're Private': Understanding Children's Mental Models of Privacy and Security. In the *Proceedings of the 2018 Computer Supported Cooperative Work Conference (CSCW '18).* New York, NY: ACM.

26. Kang, S., Norooz, L., Byrne, V., **Clegg, T.,** & Froehlich, J. E. (2018). Prototyping and Simulating Complex Systems with Paper Craft and Augmented Reality: An Initial Investigation. In *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction* (pp. 320-328). ACM.

27. **Clegg, T.,** Norooz, L., Kang, S., Byrne, V., Katzen, M., Valez, R., Plane, A., Oguamanam, V., Outing, T., Yip, J., Bonsignore, E., & Froehlich, J. (2017). Live Physiological Sensing & Visualization Ecosystems: An Activity Theory Analysis. In *Proceedings of the 2017 SIGCHI Conference on Human Factors in Computing Systems (CHI '17)* (pp. 2029 - 2041). New York, NY: ACM. [h5 index - 83, Acceptance rate – 25%]

28. Kang, S., Norooz, L., Oguamanam, V., Plane, A., Green, A., **Clegg, T.,** & Froehlich, J. (2016). SharedPhys: Live Physiological Sensing, Whole-body Interaction, and Large-screen Visualizations to Support Shared Inquiry Experiences. In *Proceedings of the 15th International Conference on Interaction, Design, and Children (IDC '16)* (pp. 275 - 287). New York, NY: ACM. [Acceptance rate – 47%]

29. **Clegg, T.,** Preece, J., Warrick, E., Pauw, D., & Boston, C. (2016). Environmental Learning through the Lens of Affinity Spaces: Transforming Community Members into a Community Force. In *C.K. Looi, U. Cress, J. L. Polman, & P. Reimann (Eds.), Transforming Learning, Empowering Learners: Proceedings of the 12th International Conference of the Learning Sciences (ICLS '16)* Volume 2 (pp. 851 - 854). Singapore: International Society of the Learning Sciences. [Acceptance rate - 34%]

30. #Norooz, L., **Clegg, T.,** Kang, S., Plane, A., Oguamanam, V., & Froehlich, J. (2016). "That's Your Heart!": Live Physiological Sensing & Visualization Tools for Personally Relevant & Collaborative STEM Learning. In *C.K. Looi, U. Cress, J. L. Polman, & P. Reimann (Eds.), Transforming Learning, Empowering Learners: Proceedings of the 12th International Conference of the Learning Sciences (ICLS '16)* Volume 2 (pp. 779 - 782). Singapore: International Society of the Learning Sciences. [Acceptance rate - 34%]

31. Yip, J., **Clegg, T.,** Ahn, J., Uchidiuno, J., Bonsignore, E., Beck, A., Pauw, D., & Mills, K. (2016). The Evolution of Roles and Social Bonds During Child-

parent Co-design. In *Proceedings of the 2016 SIGCHI Conference on Human Factors in Computing Systems (CHI '16)* (pp. 3607 - 3619). New York, NY: ACM. [h5 index – 84, Acceptance rate – 23.8%]

32. #Pauw, D., **Clegg, T.,** Ahn, J., Bonsignore, E., Yip, J., & Uchidiuno, J. (2015). Navigating Connected Inquiry Learning with ScienceKit. In *O. Lindwall, P. Hakkinen, T. Koschmann, P. Tchounikine & S. Ludvigsen (Eds.), Exploring the Material Conditions of Learning: Proceedings of the 11th Computer Supported Collaborative Learning Conference (CSCL '15)* Volume 1 (pp. 113-120). Gothenburg, Sweden: International Society of the Learning Sciences. [h5 index – 15, Acceptance rate – 36%]

33. Yip, J., Ahn, J., **Clegg, T.,** Bonsignore, E., Pauw, D., & Gubbels, M. (2014). "It Helped Me Do My Science." A Case of Designing Social Media Technologies for Children in Science Learning. In *Proceedings of the 13th International Conference on Interaction, Design, and Children (IDC '14)* (pp. 155 – 164). New York, NY: ACM. [h5 index – 19, Acceptance rate – 31%]

34. **Clegg, T.,** Bonsignore, E., Ahn, J., Yip, J., Pauw, D., Gubbels, M., Lewittes, B., & Rhodes, E. (2014). Capturing Personal and Social Science: Technology for Integrating the Building Blocks of Disposition. In J. *Polman, E. Kyza, D. O'Neill, I. Tabak, W. Penuel, S. Jurow, K. O'Connor, T. Lee, & L. D'Amico, (Eds.) Learning and Becoming in Practice: Proceedings of the 11th International Conference of the Learning Sciences (ICLS '14)* (pp. 455 - 462). Boulder, CO: International Society of the Learning Sciences. [h5 index – 16, Acceptance rate – 30%]

35. #Yip, J., **Clegg, T.,** Ahn, J., Bonsignore, E., Gubbels, M., Rhodes, E., & Lewittes, B. (2014). The Role of Identity Development Within Tensions in Ownership of Science Learning. In *Polman, J., Kyza, E., O'Neill, D., Tabak, I., Penuel, W., Jurow, S., O'Connor, K., Lee, T., & D'Amico, L., (Eds.) Learning and Becoming in Practice: Proceedings of the 11th International Conference of the Learning Sciences (ICLS '14)* (pp. 174 - 181). Boulder, CO: International Society of the Learning Sciences. [h5 index – 16, Acceptance rate – 30%]
    * Paper nominated for Best Student Paper award (Top 4%)

36. Baumer, E. P. S., Ahn, J., Bie, M., Bonsignore, E. M., Börütecene, A., Buruk, O. T., **Clegg, T.,** … others. (2014). CHI 2039: speculative research visions. In *CHI'14 Extended Abstracts on Human Factors in Computing Systems* (pp. 761–770).

37. #Yip, J., **Clegg, T.,** Bonsignore, E., Gelderblom, H., Rhodes, E., & Druin, A. (2013). Brownies or Bags-of-Stuff? Domain Expertise in Cooperative Inquiry with Children. In *Proceedings of the 12th International Conference on Interaction, Design, and Children (IDC '13)*, New York, NY: ACM. [h5 index – 17, Acceptance rate – 33%]

38. **Clegg, T.,** Yip, J., Ahn, J., Bonsignore, E., Gubbels, M., Lewittes, B., & Rhodes, E. (2013). When Face-to Face Fails: Opportunities for Social Media to Foster Collaborative Learning. In *N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds.), To See the World and a Grain of Sand: Learning Across Levels of Space, Time, and Scale: Proceedings of the Tenth Computer*

Supported Collaborative Learning Conference (CSCL 2013) Volume 1 - Full Papers & Symposia (pp. 113 - 120). Madison, WI: International Society of the Learning Sciences. [h5-index – 15, Acceptance rate – 36%]

39. **Clegg, T.,** Bonsignore, E., Yip, J., Gelderblom, H., Kuhn, A., Valenstein, T., Lewittes, B., & Druin, A. (2012). Technology for Promoting Scientific Practice and Personal Meaning in Life-relevant Learning. *Proceedings of the 11th International Conference on Interaction, Design, and Children (IDC '12)* (pp.152-161). New York, NY: ACM. [h5-index – 17, Acceptance rate – 29%]

40. Walsh, G., Druin, A., Guha, M.L., Bonsignore, E., Foss, E., Yip, J., Golub, E., **Clegg, T.,** Brown, Q., Brewer, R., Joshi, A., & Brown, R. (2012). DisCo: A Co-Design Online Tool for Asynchronous Distributed Child and Adult Design Partners. *Proceedings of the 11th International Conference on Interaction, Design, and Children (IDC '12)* (pp. 11-19). New York, NY: ACM. [h5-index – 17, Acceptance rate – 29%]

41. #Yip, J., **Clegg, T.,** Bonsignore, E., Gelderblom, H., Lewittes, B., Guha, M. L., & Druin, A. (2012). Kitchen chemistry: Supporting Learners' Decisions in Science. In *J. van Aalst, K. Thompson, M.J. Jacobson, and P. Reimann, (Eds.), The Future of Learning: Proceedings of the Tenth International Conference of the Learning Sciences (ICLS '12)* - Volume 1, Full Papers (pp. 103 – 110). Sydney, NSW, Australia: International Society of the Learning Sciences. [h5-index – 6, Acceptance rate – 25%]

42. **Clegg, T.,** Gardner, C., & Kolodner, J. (2011). Technology for Supporting Learners in Physically Demanding Out-of-school Learning Environments. In *H. Spada, G. Stahl, N. Miyake, and N. Law (Eds.) Connecting Computer-Supported Collaborative Learning to Policy and Practice: Proceedings of the Computer Supported Collaborative Learning (CSCL '11)* – Volume 1, Full Papers (pp. 248-255), Hong Kong, China: International Society of the Learning Sciences. [Acceptance rate – 38%]

43. **Clegg, T.,** Gardner, C., & Kolodner, J. (2010). Playing with Food: Turning Play Into Scientifically Meaningful Experiences. In *K. Gomez, L. Lyons, & J. Radinsky (Eds.) Learning in the Disciplines: Proceedings of The International Conference of the Learning Sciences (ICLS '10)* – Volume 1, Full Papers (pp. 1135-1142). Chicago, IL: International Society of the Learning Sciences.

44. Abler, R., Krogmeier, J., Ault, A., Melkers, J., **Clegg, T.,** & Coyle, E. (2010). Enabling and Evaluating Collaboration of Distributed Teams with High Definition Collaboration Systems. Paper presented at the *2010 American Society for Engineering Education Annual Conference & Exposition*, Louisville, KY.

45. **Clegg, T.,** Gardner, C., Williams, O., & Kolodner, J. (2006). Promoting Learning in Informal Environments. In *Barab, S., Hay, K., & Hickey, D. (Eds.) Making a Difference: Proceedings of the International Conference of the Learning Sciences (ICLS '06)* (pp. 92 - 98). Mahwah, NJ: Erlbaum.

Conferences, Workshops, and Talks
Keynotes

46.   **Clegg, T.** (2021). **Keynote:** *Communities, Computing, and the Carolinas.* Presented at the ACM International Computing Education Research Conference. (virtual) Charleston, SC.

47.   **Clegg, T.** (2021). **Keynote:** *Communitizing Science: Communities as Contexts for STEM Learning.* Presented at the Computers and Learning Research Group Annual Conference. Institute of Educational Technology, Open University, UK.

48.   **Clegg, T.** (2014). **Keynote:** *ScienceKits for Science Everywhere: Technology for Integrating the Building Blocks of Disposition.* Presented at the Obermann Working Symposium on Designing the Digital Future: A Human-Centered Approach to Informatics. University of Iowa, Iowa City, IA.

49.   **Clegg, T.** (2013). **Keynote:** *The Potential of Technology for Enhancing Scientific Disposition Development.* Presented at the 2nd Annual Learning Science Workshop: Research and Innovation for Enhancing Achievement and Equity. Carnegie Mellon University, Pittsburgh, PA.

Invited Talks

1.   **Clegg, T.,** (2020). *Designing Socio-technical Systems for Learning in the Third Place.* Presented at the *Human-Computer Interaction Institute Seminar.* Carnegie Mellon University. (Virtual) Pittsburg, PA.

2.   **Clegg, T.,** (2020). *Designing Socio-technical Systems for Learning in the Third Place.* Presented at the *Learning Sciences Seminar.* University of Utah. (Virtual) Salt Lake City, UT.

3.   **Clegg, T.,** (2020). *Environmental Engagement Through Relationships.* Presented at the *Citizen Science – Engagement, Marketing, Motivation, and Change Special Interest Group Meeting.* British Ecological Society. (Virtual) London, UK.

4.   **Clegg, T.,** (2020). *Designing Socio-technical Systems for Learning in the Third Place.* Presented at the *Graphics Visualization and Usability Distinguished Alum Brownbag.* Georgia Institute of Technology. (Virtual) Atlanta, GA.

5.   **Clegg, T.,** (2019). *Epistemic Opportunities and Tensions in Life-Relevant STEM Learning Research.* Presented at the *Waterbury Summit on Heterogeneity in the Learning Sciences.* Pennsylvania State University. State College, PA.

6.   **Clegg, T.,** (2019). *Science Everywhere: Mobilizing a Village to Support STEM Learning Across Contexts.* Presented in the *FamLAB Reframing Learning Across Boundaries Summit.* PBS Headquarters. Arlington, VA.

7.   **Clegg, T.** (2018). *Hybrid Spaces and Third Places for Scientizing with Mobile, Wearable, and Community Technologies.* Presented in the *Technology for Accessibility and Inclusion* Session at the American Association of Physics Teachers Conference. Washington, DC.

8.   **Clegg, T.** (2018). *Hybrid Spaces and Third Places for Scientizing with Mobile, Wearable, and Community Technologies.* Presented at the UW Design Use Build Seminar Series. University of Washington. Seattle, WA.

9. **Clegg, T.** (2018). *Hybrid Spaces and Third Places for Scientizing with Mobile, Wearable, and Community Technologies.* Presented at the ATLAS Institute Seminar Series. University of Colorado. Boulder, CO.

10. **Clegg, T.** (2017). *Hybrid Spaces and Third Places for Scientizing with Mobile, Wearable, and Community Technologies.* Presented at the CREATE for STEM Science Seminar Series. Michigan State University. Lansing, MI.

11. **Clegg, T.** (2016). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the Learning Sciences Colloquium. Northwestern University, Evanston, IL.

12. **Clegg, T.** (2016). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the University of North Carolina at Charlotte Association for Computing Machinery – Women Chapter. University of North Carolina at Charlotte, Charlotte, NC.

13. **Clegg, T.** (2016). **Plenary:** *Science Everywhere: Social & Ubiquitous Technology for Helping Children Scientize Everyday Life*. Presented at the 2016 Annual Human-Computer Interaction Lab Symposium. University of Maryland, College Park, MD.

14. **Clegg, T.** (2016). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the 2016 National Science Foundation (NSF) Advancing Informal STEM Learning (AISL) Program Principal Investigator Meeting. Cyberlearning & Computer Science Session. Bethesda, MD.

15. **Clegg, T.** (2015). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the Center for Research on Learning and Technology Speaker Series. Indiana University, Bloomington, IN.

16. **Clegg, T.** (2015). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the Cyberlearning 2015: Connect, Collaborate, and Create the Future Conference. The Center for Innovative Research in Cyberlearning. Arlington, VA.

17. **Clegg, T.** (2013). *The Potential of Technology for Enhancing Scientific Disposition Development*. Presented at the Center for Math Education Colloquium. College Park, MD.

18. **Clegg, T.**, (2011). *Technology for Supporting Life-Relevant Learning in Science*. Presented at the Human-Centered Computing Lecture Series. Clemson University. Clemson, SC.

19. **Clegg, T.** (2011). *The Role of Out-of-school Programs for Promoting the Development of Learners' Scientific Identity*. Presented at the DFG-NSF Conference on the Public Understanding and Public Engagement with Science, New York, NY.

Refereed Presentations
II.

1. Byrne, V. L., Kang, S., Norooz, L., Froehlich, J., Clegg., T. (2019, April). *Bringing life-relevant embodied learning with e-textiles into the classroom: Tensions with classroom rules and academic norms*. Poster to be presented at American Educational Research Association annual meeting. Toronto, ON.

2.   Kafai, Y., Horn, M., Danish, J., Humburg, M., Tu, X., Davis, B., George, C., Enyedy, N., Bumbacher, E., Blikstein, P., Washington, P., Riedel-Kruse, I., **Clegg, T.,** Byrne, V., Norooz, L., Kang, S., Froehlich, J., Walker, J., Lui, D., & Anderson, E. (2018). Affordances of Digital, Textile, and Living Media for Designing and Learning Biology in K-12 Education. In J. *Kay & R. Luckin (Eds.), Rethinking Learning in the Digital Age: Making the Learning Sciences Count: Proceedings of the 17th International Conference of the Learning Sciences (ICLS '18)*. London, UK: International Society of the Learning Sciences.

3.   Fisher, D. H., Cameron, J., **Clegg, T.,** & August, S. (2018). Integrating Social Good into CS Education. In *Proceedings of the 49th ACM Technical Symposium on Computer Science Education* (pp. 130-131). ACM.

4.   Ahn, J., **Clegg, T.,** Yip, J., Bonsignore, E., Cabrera, L., Mills, K., Pauw, D., Pitt, C. (2018). *Designing Interactive Public Displays for Neighborhood Scientizing.* Presented at the 2018 American Educational Research Association Annual Conference. New York, NY.

5.   Subramaniam, M., Waugh, A., **Clegg, T.** (2018). *Co-designing the Next Generation of Education for Children and Youth Librarians: A Research-Practice Partnership.* Extended abstract to be presented at the 2018 Association of Library and Information Science Educators Conference. Atlanta, GA.

6.   Kafai, Y., **Clegg, T.,** Peppler, K., Tofel-Grehl, C., Pinkard, N., Fields, D., & Buechley, L. (2017). Textile Messages: Electronic Textiles as Disruptive Designs and Inclusive Activities. To be presented at the 2017 Digital Media and Learning Conference. Irvine, CA.

7.   #Yip, J., **Clegg, T.,** Druin, A., Guha, M. L., Bonsignore, E., Foss, E., Golub, E., & Walsh, G. (2012). *Cooperative inquiry in designing technology in life-relevant learning for science.* Paper presented at the American Educational Research Association Conference, Vancouver, BC, Canada.

8.   **Clegg, T.,** & Kolodner, J. (2010). *Making Science Social: A Closer Look at How Social Interactions Impact Scientific Participation.* Paper presented at the American Educational Research Association Conference, Denver, CO.

9.   **Clegg, T.** (2008). *Kitchen Science Investigators: Building Identity as Scientific Reasoners and Thinkers.* Presented at the International Conference of the Learning Sciences Doctoral Consortium, Utrecht, The Netherlands.

Refereed Posters

10.   Kang, S., Norooz, L., Byrne, V., **Clegg, T.,** & Froehlich, J. E. (2018, March). Prototyping and Simulating Complex Systems with Paper Craft and Augmented Reality: An Initial Investigation. In *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction* (pp. 320-328). ACM.

11.   Boston, C., **Clegg, T.,** Pauw, D., Preece, J., Warrick, E., Abdellahi, S., Christian, T., Grace, K., Maher, M.L., Cameron, J., & Yeh, T. (2017). Technology for Watershed Stewards. In C. Lee & S. Poltrock (Eds.), *20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '17)*. Portland, OR.

12.   #Pauw, D., Warrick, E., Boston, C., Preece, J., & **Clegg, T.** (2017). Connecting Affinity Spaces to Places and Back: A Look at Pokemon Go. In *C. Lee & S. Poltrock (Eds.), 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '17)*. Portland, OR.

13. **Clegg, T.,** Ahn, J., & Yip, J. (2016). ScienceKit for Science Everywhere: A Seamless Scientizing Ecosystem for Raising Scientifically Minded Children. Poster presented at the *American Educational Research Association Conference (AERA '16)*, Washington, DC.

14. Bonsignore, E., Ahn, J., **Clegg, T.,** Yip, J., Pauw, D., Gubbels, M., Lewittes, B., & Rhodes, E. (2014). Selfies for Science: Collaborative Configurations Around ScienceKit. In *Proceedings of the Computer Supported Cooperative Work and Social Computing Annual Conference (CSCW '14)*. Baltimore, MD.

15. Ahn, J., Gubbels, M., Yip, J., Bonsignore, E., & **Clegg, T.** (2013). Using Social Media and Learning Analytics to Understand How Children Engage in Scientific Inquiry. In *Proceedings of the Interaction, Design, and Children Annual Conference (IDC '13)*, New York, NY.

16. Gardner, C. M., **Clegg, T.,** Williams, O. L., & Kolodner, J. L. (2006). Messy Learning Environments: Busy Hands and Less Engaged Minds. In *S. Barab, K. Hay, & D. Hickey (Eds.), Proceedings of The Seventh International Conference of the Learning Sciences (ICLS '06)* (pp. 926-927). Bloomington, IN.

Symposia

17. Roschelle, J., Ishmael, K., Baker, R., Chang, M., **Clegg, T.,** Mallavarapu, A., Molvig, O., Philip, T., & Walker E. (2022) AI in Education and Priority Research Challenges. US Department of Education and Digital Promise Listening Session. Virtual.

18. **Clegg, T.,** Edouard, K., Greene, D., Nasir, N., Shapiro, R.B., Wright, C., Worsley, M., Zimmerman-Niefield, A. (2020) Reconceptualizing Legitimate and Generative Learning Experiences in Sports and Technology. Symposium presented at the annual *International Conference of the Learning Sciences* (ICLS '20), Nashville, TN.

19. #Bonsignore, E., Ahn, J., **Clegg, T.,** Guha, M.L., Yip, J., & Druin, A. (2013). Embedding Participatory Design into Designs for Learning: An Untapped Interdisciplinary Resource? Symposium presented at *the Tenth Annual Conference of Computer Supported Collaborative Learning (CSCL '13)*, Madison, WI.

20. Tate, E., **Clegg, T.,** Zimmerman, H., Gardner, C., Sato, T., Calabrese-Barton, A., & Brown, B. (2013). Inside Personally Relevant Science Learning Contexts: How Do Learners Connect Science to their Everyday Lives? Symposium presented at *the National Association for Research in Science Teaching (NARST '13)*. Rio Grande, Puerto Rico.

21. Rick, J., DeVane, B., **Clegg, T.,** Peters, V., Goldman, S., & Hmelo-Silver, C. (2012). Learning as Identity Formation: Implications for Design, Research, and Practice. Symposium presented at *the Tenth International Conference of the Learning Sciences (ICLS '12) International Conference of the Learning Sciences (ICLS '12)*, Sydney, Australia.

Workshops

22. Bonsignore, E., Subramaniam, M., **Clegg, T.,** Donahue, C., & Rubio, J. (2020). Designing Technologies and Learning Programs with Youth – A Designathon. Workshop hosted at the annual *iConference* (iConference 2020). Boras, Sweden.

23. Kumar, P., Vitak, J., Bonsignore, E., Chetty, M., **Clegg, T.,** & Wisniewski, P. (2018). Designing Privacy and Security Tools for Children and Teenagers. Workshop hosted at the *Symposium on Usable Privacy and Security* (SOUPS 2018). Baltimore, MD.

24. Ahn, J., **Clegg, T.,** Yip, J., Bonsignore, E., & Rick, J. (2015). Innovations in Interaction Design & Learning. Workshop hosted at the *Interaction, Design, and Children Annual Conference (IDC '15)*. Boston, MA.

25. Ahn, J. & **Clegg, T.** (2015). Crafting Successful Learning Technology Proposals. *Human-Computer Interaction Lab Annual Symposium*. College Park, MD.

26. Ahn, J., & **Clegg, T.,** (2014). Hack Education: Designing Learning Futures!, Workshop organized at the *Human-Computer Interaction Lab Annual Symposium*, College Park, MD.

27. Gardner, C., & **Clegg, T.** (2009). Kitchen Science Investigators (KSI): Kicking up the Science a Notch in Your After-school Program, *National Afterschool Association Workshop*. New Orleans, LA.

Professional and Extension Publications
Non-Refereed Journal Articles

28. **Clegg, T.,** Ahn, J., Yip, J., Bonsignore, E., & Pauw, D. (2016). Scientizing with ScienceKit: Social Media and Storytelling Mobile Apps for Developing Playful Scientist Dispositions. *Educational Technology*, 56(3), 23-28.

Significant Works in Public Media
Explanatory, Investigative, or Long-Form Journalism

29. Lagorio, C. (2008, January 4, 2009). Kitchen Chemistry for Middle Schoolers. *The New York Times* http://www.nytimes.com/2009/01/04/education/edlife/ideas-kitchenscience-t.html.

TV / Radio Broadcast

30. *Get The Gray Matter Cooking*. (2008). *The Next Big Thing*. U.S.: CNN http://www.cc.gatech.edu/news/multimedia/video/kitchen-science-investigators.

Sponsored Research and Programs – Administered by the Office of Research Administration (ORA)
Grants

31. Principal Investigator Jessica Vitak, Co-Investigators Marshini Chetty and **Tamara Clegg**, National Science Foundation Award IIS-1951688, SaTC: EDU: Collaborative: Connecting Contexts: Building Foundational Digital Privacy and Security Skills for Elementary School Children, Teachers, and

Parents, $500,000 (Total Award) $334,399 (University of Maryland budget for collaborative), February 2020 – January 2023

32. Principal Investigator Lawrence Clark, Co-Investigators Stephanie Timmons-Brown, Faculty Collaborators Toya Jones-Frank, and **Tamara Clegg**, National Science Foundation Award IIS-1906736, AISL: Maryland Sports Data Analytics Camps for Youth, $1,080,198 (University of Maryland budget for collaborative), June 2019 – May 2022

33. Principal Investigator Mega Subramaniam, Co-Investigators **Tamara Clegg** and Paul Jaeger, Institute of Museum and Library Studies, Youth Experience (YX): Embracing Participatory Design and Design Thinking in Children and Youth Librarianship, $396,052, September 2016 - August 2019

34. Principal Investigator Jennifer Preece, Co-Investigators **Tamara Clegg**, Mary Lou Maher, and Tom Yeh, National Science Foundation Award IIS-1423207, AISL: Innovations in Development: Community-Driven Projects That Adapt Technology for Environmental Learning in Nature Preserves, $2,390,552 (Total Award) $1,195,643 (University of Maryland budget for collaborative), April 2015 - March 2019

35. Principal Investigator Jon Froehlich, Co-Investigator **Tamara Clegg**, National Science Foundation Award IIS-1441184, EXP: BodyVis: Advancing New Science Learning and Inquiry Experiences via Custom Designed Wearable On-Body Sensing and Visualization, $550,000, October 2014 – September 2017

36. Principal Investigator **Tamara Clegg**, Co-Investigators June Ahn and Jason Yip, National Science Foundation Award IIS-1441523, DIP: ScienceKit for ScienceEverywhere - A Seamless Scientizing Ecosystem for Raising Scientifically-Minded Children, $1,419,391, October 2014 – September 2018

Gifts, and Funded Research not administered by ORA
Gifts *(solicited and in-kind funds)*

37. Faculty Student Research Award (2022): Data Everyday-Informal Data Literacy in Data-Rich Intercollegiate Athletics. Principal Investigator **Tamara Clegg**, Lead Graduate Student Heather Killen. $10,000

38. Teaching Innovation Grant, Teaching & Learning Transformation Center (2020): Virtualizing Creative & Collaborative User-Centered Design. Principal Investigator **Tamara Clegg**, Co-Investigators Elizabeth Bonsignore, Carol Boston, Bill Kules, Alex Leitch, Wayne Lutters, Stacy Surla & Caro Williams-Pierce. $27,304

39. Academy of Innovation and Entrepreneurship (2014), Hack Education: Designing Learning Futures! Workshop Supplement. $2,000

Centers for Research, Scholarship, and Creative Activities
Symposia Organized *(though center)*

40. Ethan Hutt & Daniel Klasick, Teaching and Learning, Policy and Leadership Seminar Series, Maryland Equity Project. Monthly departmental research seminar. September 2013 – 2015

41.   Principal Investigator Marshini Chetty, Co-Investigators **Tamara Clegg**, Jessica Vitak, Google Faculty Research Award, Keeping Kids Safe: Equipping Elementary School Kids with Online Safety Skills, $53,892, September 2018 – September 2019

42.   Principal Investigator Marshini Chetty, Co-Investigator **Tamara Clegg**, Google Faculty Research Award, Keeping Kids Safe: Understanding Kids' Mental Models of Online Safety on Mobile Devices, $46,100, September 2016 - August 2017

43.   Computing Innovation Fellow, Computing Research Association, 2010 – 2012, $280,000 over two years [Allocated Share: 100%, $140,000]

Teaching, Extension, Mentoring, and Advising

Courses Taught

INST 352 Information User Needs and Assessment, Fall 2022, 50 students

INST 490 Capstone for InfoSci Undergraduates, Spring 2022, 51 students

INST 362 User-Centered Design, Fall 2021, 60 students

TLPL 708B Communities, Technology and Learning, Spring 2021, 5 students

INST 362, User-Centered Design, Fall 2020, 57 students

INST 362, User-Centered Design, Spring 2019, 51 students

EDCI 788Q Theories of Learning and Leadership with Technology, Fall 2018, 6 students

INST 362, User-Centered Design, Spring 2019, 50 students

EDCI 788Q, Theories of Learning and Leadership with Technology, Fall 2018, 6 students

INST 362, User-Centered Design, Spring 2018, 49 students

INST 652 (online), Design Thinking and Youth (YX Co-hort, overload course), Spring 2018, 9 students

INST 362, User-Centered Design, Fall 2017, 48 students

INST 652 (online), Design Thinking and Youth, Spring 2017, 15 students

EDCI 788Q, Theories of Learning and Leadership with Technology, Fall 2016, 8 students

EDCI 611, Studying Student Learning in Diverse Settings (Laurel College Center), Spring 2016, 18 students

INST 652 (online), Design Thinking and Youth, Spring 2016, 6 students

EDCI 611, Studying Student Learning in Diverse Settings (Laurel College Center), Fall 2015, 11 students

EDCI 687, Applications of Computers in Instructional Settings, Spring 2013, 4 students

EDCI 687, Applications of Computers in Instructional Settings, Spring 2014, 11 students

EDCI 687, Applications of Computers in Instructional Settings, (Shady Grove), Fall 2014, 20 students

EDCI 697, Embracing Diversity in Classroom Communities, (Shady Grove). Spring 2015, 20 students

EDCI 788Q, Theories of Learning and Leadership with Technology, Spring 2014, 8 students

INST 632, Human-Computer Interaction Design Methods, Fall 2012, 15 students

INST 632, Human-Computer Interaction Design Methods, Fall 2013, 16 students

LBSC 708N, Human-Computer Interaction Design Methods, (Co-Instructor), Fall 2011, 14 students

Teaching Innovations
Major Programs Established
1. Director, Information Design Undergraduate Major, 2021 - 2024
2. Co-developed Post-Masters Certification Program for Youth Experience in the College of Information Studies
3. Worked with TLPL colleagues to design and implement a new cross-divisional Ph.D. specialization in Teaching, Learning, and Leadership

Course or Curriculum Development
1. INST 652: Design Thinking & Youth, (2015-2017) Developed course curriculum for new Master of Library Science, Youth Experience (YX) Specialization and Youth Experience Post-Masters Certification online core course
2. EDCI 788Q: Theories of Learning and Leadership with Technology, (2013)
3. EDCI 687, Applications of Computers in Instructional Settings (2012) (created new syllabus for special topic of Design of Learning Technologies)

Advising: Research or Clinical
Undergraduate
1. *Tobin Valenstein*, 2012, College of Mathematics and Natural Sciences, Co-advisor of senior project
2. *Monica Katzen*, Fall 2016 – 2017, College of Mathematics and Natural Sciences, Co-advisor on BodyVis research project
3. *Samara Orellana,* June 2018 – May 2019, College of Information Studies, Advisor on Science Everywhere research project
4. *George Darvehn*, June 2018 – August 2018, Computer Science, Advisor on Science Everywhere research project
5. *Nicholas Orji*, June 2018 – August 2018, Computer Science, Advisor on Science Everywhere research project

Master's
1. *Panos Papadatos*, Completed May 2012, Human-Computer Interaction Masters Program, College of Information Studies, Co-advisor of Masters project

2. *Murat Akkus*, Completed December 2013, Master of Education (Mathematics Education), Committee member
3. *Jaison Cooper*, Completed May 2014, Student Affairs Concentration Masters of Education, Advisor of Master Seminar Paper
4. *Leyla Norooz*, Completed May 2014, Human Computer Interaction Masters Program, College of Information Studies, Committee member
5. *Alina Goldman*, Completed July 2014, Human Computer Interaction Masters Program, College of Information Studies, Committee member
6. *Steven Dodge*, Completed 2014, Masters of Information Management, College of Information Studies, Committee member
7. *Vanessa Oguamanam*, Fall 2014 – Spring 2016, Research advisor, BodyVis project
8. *Vanessa Oguamanam*, Fall 2016, HCIM Capstone Advisor
9. *Angelisa Plane*, Fall 2014 – Spring 2016, Research advisor, BodyVis project
10. *Rafael Velez,* Fall 2016 – Present, Research advisor, BodyVis project

Doctoral: Thesis Advisor
1. *Daniel Pauw*, 2013 – Present, Advisor
2. *Lautaro Cabrerra*, 2016 – Present, Co-Advisor (with Diane Jass Ketelhut)
3. *Kenna Hernly*, 2016 – Present, Co-Advisor (with Margaret Walker)
4. *Leyla Norooz*, 2016 – Present, Co-Advisor (with Allison Druin)
5. *Heather Killen,* 2018 – Present, Advisor
6. *Xiaoxue Zhou*, 2020 – Present, Advisor

Doctoral: Thesis Committee
1. *Toya Jones Frank*, Completed Summer 2013, Widgets and Digits: A Study of Novice Middle School Teachers Attending to Mathematics Identity in Practice, George Mason University, College of Education and Human Development, Committee Member
2. *Jason Yip*, Completed Fall 2013, The Evolution of Science Ownership in Learners Engaged in Design and Technology Usage, University of Washington iSchool, Committee Member
3. *Bryce Walker*, Completed Fall 2015, Dimensions Related to the Role of a Technology Coordinator in Schools that Serve Students with Language-Based Learning Differences, Committee Member
4. *Anne Bowser*, Completed Fall 2015, Cooperative Design, Cooperative Science: Investigating Collaborative Research through Design with Floracaching, Committee Member
5. *Kelsey Pope*, Completed Fall 2016, #BlackLiteracyLivesMatter: Revealing African-American Adolescents' Multimodal Literacy Practices in Online Social Networks at a Community Center, Committee Member
6. *Thomas Coleman*, Completed Spring 2017, Examining Secondary Teachers' Interaction with Interactive Diagrams in Mathematics Instruction, Committee Member
7. *Anthonoy Pellicone*, Completed Spring 2017, Performing Play: Cultural Production on Twitch.tv, Committee Member

8. *Amy Green*, Fall 2014 – 2018, Chesapeake Bay Foundation, Committee Member
9. *Gina Quan*, Fall 2015 – Fall 2016, Becoming a Physicist: Supporting the Development of Student Identities in Practice, Committee Member, Proposal Defense
10. *Xiaoyang Gong*, Fall 2016 – Fall 2017, Students' Achievement Emotions in Chinese Chemistry Classrooms, Committee Member
11. *Amanda Waugh,* Fall 2016 – 2018, Nerdfighters and their Information Practices: A Study of Everyday Life Information Seeking in an Online Fan Community, Committee Member
12. *Brenna McNally,* Fall 2016 – 2018, Participant Perspectives on their Membership in an Intergenerational Participatory Design Team, Committee Member
13. *Elizabeth Warrick,* Fall 2016 – 2019, Social Media and the Shifting Context of Indigenous Environmental Stewardship, Committee Member
14. *Virginia Byrne,* Fall 2016 - Spring 2020, Women's Cyberbullying Experiences and the Relationship to Social Presence in Online Discussions, Committee Member
15. *Donna Auguste*

Doctoral: Research Project Advisor
1. *Amy Green*, Fall 2014 – Spring 2015, Chesapeake Bay Foundation, Research advisor, BodyVis project
2. *Leyla Norooz*, Fall 2014 – Present, Research advisor, BodyVis project
3. *Kelly Mills,* Fall 2015 – Present, Research advisor, Science Everywhere project
4. *Virginia Byrne*, Fall 2016 – Present, Research advisor, BodyVis project
5. *Hannoori Jeong*, Fall 2018 – Present, Research advisor, Science Everywhere project
6. *Cachanda Orellana*, Fall 2018 – Present, Research advisor, Science Everywhere project
7. *Janet Bih Fofang*, Fall 2018 – Present, Research advisor, Science Everywhere project

Other Directed Research *(e.g. K-12 Interactions)*
1. *Amanda Waugh*, Spring 2014, Annual Review Committee
2. *Anthony Pellicone*, Spring 2014, First Year Review committee member
3. *Emily Hestness*, Summer 2014, Comprehensive Exam Reader
4. *Amy Green*, Spring 2014, Comprehensive Exam Reader
5. *Elizabeth Singleton*, Summer 2014, Comprehensive Exam Reader
6. *Brenna McNally*, Fall 2014, First Year Review Committee Member
7. *Leyla Norooz*, Fall 2014, First Year Review Committee Member
8. *Marina Cardoso*, Fall 2015, First Year Review Committee Member
9. *Xiaoyang Gong*, Fall 2015, Comprehensive Exam Reviewer
10. *Amanda Waugh,* Spring 2015, Integrative Paper Committee
11. *Brenna McNally,* Spring 2016, Integrative Paper Committee

12.   *Leyla Norooz,* Spring 2016, Integrative Paper Committee
13.   *Kelly Mills,* Spring 2016, Comprehensive Exam Reviewer
14.   *Hannoori Jeong*, Spring 2019, Comprehensive Exam Reviewer

Professional and Extension Education
Guest Lectures
1.   CSCI 4250: Human-Computer Interaction, Computer Science Department, University of Nebraska at Omaha (Spring 2017)
2.   LBST 2213: Science, Technology, and Society, Department of Software and Information Systems, College of Computing and Informatics, University of North Carolina at Charlotte (Fall 2016)
3.   EDHD 7712: Learning and Human Development, School of Education and Human Development, University of Colorado, Denver (Fall 2016)
4.   CSCI 4250/8256: Human-Computer Interaction, Computer Science Department, University of Nebraska at Omaha (Fall 2014)
5.   EDCI 791: Qualitative Research I: Design and Fieldwork, Department of Teaching and Learning, Policy and Leadership, College of Education, University of Maryland (Fall 2013, Fall 2014)

Teaching Awards
1.   Faculty Lilly Fellow 2014-2015, University of Maryland's Center for Teaching Excellence, the Office of Undergraduate Studies and the Academy for Innovation and Entrepreneurship. $4000

Service and Outreach
Editorships, Editorial Boards, and Reviewing Activities
Reviewing Activities for Journals and Presses
1.   Reviewer, *Journal of Research in Science Teaching*, 2022
2.   Reviewer, *Journal of the Learning Sciences*, 2019
3.   Reviewer, *Journal of Research in Science Teaching*, 2016, 2018
4.   Reviewer, *Science Education*, 2016
5.   Reviewer, *Journal of Science Education and Technology*, 2015
6.   Reviewer, *IEEE Special Issue on Wearables and the Internet of Things*, 2015
7.   Reviewer*, International Journal of Child-Computer Interaction*, 2014 – 2015
8.   Reviewer, *Instructional Science*, Reviewed three journal articles submitted to the journal, 2012
9.   Reviewer, *Journal of the Learning Sciences*, 2007, 2018
10. Reviewer, *International Journal of Human-Computer Studies*, 2018
11. Reviewer, *Proceedings of the National Academy of Sciences*, 2018

Reviewing Activities for Agencies and Foundations
1.   Reviewer, Spencer Foundation, reviewed 25 proposals, January – February 2021
2.   Panelist, National Science Foundation, EHR Directorate, reviewed 8 proposals, February 2019

3. Reviewer, Institute of Museum and Library Studies, reviewed 1 proposal, July 2017
4. Panelist, National Science Foundation, EHR Directorate, reviewed 7 proposals, January 2017
5. Panelist, National Science Foundation, 2015, CISE Directorate, reviewed 8 proposals, March 2015
6. Panelist, National Science Foundation, EHR Directorate, reviewed 7 proposals, March 2013
7. Panelist, National Science Foundation, CISE Directorate, reviewed 6 proposals, October 2013
8. Panelist, National Science Foundation, CISE Directorate, reviewed 8 proposals, February 2012
9. Panelist, National Science Foundation, CISE Directorate, reviewed 6 proposals, October 2012
10. Panelist, National Science Foundation, EHR Directorate, reviewed 8 proposals, October 2010

Reviewing Activities for Conferences
1. Reviewer, The ACM Conference on Computer-Supported Cooperative Work and Social Computing, Review posters submitted to the conference, 2016 - 2018
2. Reviewer, Fablearn Digital Fabrication in Education Conference, Review full and short papers submitted to the conference, 2014
3. Reviewer, The Interaction, Design and Children Annual Conference, Program committee member. Review full and short papers submitted to the conference, 2012 – 2018
4. Reviewer, The ACM CHI Conference on Human Factors in Computing Systems, Review CHI works in progress and full paper submissions to the conference, 2010 – 2018
5. Reviewer, The International Conference on Computer Supported Collaborative Learning, Review full and short papers submitted to the conference, 2010 – 2017
6. Reviewer, American Educational Research Association, Review full paper, symposium, and short paper submissions to the conference, 2010 – 2017
7. Reviewer, the International Conference of the Learning Sciences, Review full and short papers submitted to the conference, 2008 – 2018

Committees, Professional & Campus Service
Campus Service – Department
1. Member, GREC, Department of Teaching and Learning, Policy and Leadership, Spring 2018
2. Member, Learning Sciences – Learning with Technologies Faculty Search Committee, Department of Teaching and Learning, Policy and Leadership, College of Education and College of Information Studies, Fall 2016
3. Member, Merit Pay Committee, Department of Teaching and Learning, Policy and Leadership, College of Education, 2014 – 2015

4. Member, Website Committee, Department of Teaching and Learning, Policy and Leadership, College of Education, 2013 – 2016
5. Member, Departmental Research Seminar Planning Committee, Teaching and Learning, Policy and Leadership, Department of Teaching and Learning, Policy and Leadership, College of Education, 2013 – 2015
6. Member, Doctoral Specialization Development Committee, Teaching, Learning, and Leadership Department of Teaching and Learning, Policy and Leadership, College of Education, 2012 – Present

Campus Service – College
1. Chair, Records Preparation Committee for tenure case, Fall 2022
2. Member, User Experience and Data Science Professional Track Faculty Search Committee, Spring 2021
3. Member, College Advisory Committee, College of Information Studies, Fall 2020 – Spring 2021
4. Member, Diversity Committee, College of Information Studies, Fall 2020 – Spring 2021
5. Member, Communications Committee, College of Information Studies, Spring 2021
6. Co-chair, Youth Experience Faculty Search Committee, College of Information Studies, Fall 2018 – Spring 2019
7. Member, Journalism and iSchool Faculty Search Committee, College of Information Studies, Fall 2017 – Spring 2018
8. Member, Human-Computer Interaction Masters Program Committee, College of Information Studies, Fall 2017 – Present
9. Member, Master's in Library Science Committee, College of Information Studies, Fall 2016 – 2017
10. Member, MLS Professional Track Lecturer Search Committee, Spring 2016
11. Member, Innovation and Partnership Advisory Committee, 2016
12. Member, Youth Experience Specialization Development Committee, 2015 – Present
13. Member, Diversity Committee, College of Information Studies, 2013 – 2014
14. Member, Associate Director of Communications Search Committee, College of Education, 2013
15. Member, Advisor Search Committee, College of Information Studies, 2013

Campus Service – University
1. Member, Discovery, Creativity, and Innovation Strategic Planning Subcommittee, Summer 2021 – Fall 2021
2. Member, Director of Teaching and Learning Transformation Center Search Committee 2015

Leadership Roles in Meetings and Conferences
1. Data Science Workshop Planning Committee, National Academies of Sciences, Engineering and Math, 2022
2.

3. SIGCHI Executive Committee, **Vice President of Membership and Communications**, 2021 – 2022 (*Elected*)
4. Computer Supported Collaborative Learning, **Executive Committee Member**, 2021 (*Elected*)
5. International Society of the Learning Sciences, **Doctoral Consortium Panel Member**, 2021
6. Journal of Information and Learning Sciences, **Guest Co-Editor of Special Issue** on Culturally Situated and Social Justice Research and Approaches in the Learning and Information Sciences, 2020
7. The Interaction, Design and Children Annual Conference, **Program Committee – Doctoral Consortium**, 2019
8. SIGCHI Human Factors in Computing Systems (CHI 2018), **Associate Chair**, 2018.
9. The Interaction, Design and Children Annual Conference, **Program Co-chair of short papers**, 2017
10. **Chair**, Advanced Learning Technologies SIG - American Educational Research Association (AERA), Program chair (2015 - 2016) and then chair (2016 - 2017) for the Advanced Learning Technologies Special Interest Group of AERA
11. The Interaction, Design and Children Annual Conference, **Associate Chair of full papers**, 2015
12. The International Conference of the Learning Sciences, **Senior reviewer** for a set of full paper submissions, 2014, 2018

Other Non-University Committees, Memberships, Panels, etc.
1. Member, Newsletter Committee, International Society of the Learning Sciences, 2011 – 2015

External Service and Consulting
Community Engagements, Local, State, National, International
1. 2020 – 2021 Noggin Advisory Board Member, Viacom
2. 2015 Mentor in Developing Cyberlearning Proposals Workshop at Tuskegee University, Stanford Research Institute/National Science Foundation

Non-Research Presentations
Outreach Presentations
1. **Clegg, T.** (2017). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the Intervarsity Graduate Student Meeting. University of Maryland, College Park, MD.
2. **Clegg, T.** (2016). *Scientizing Daily Life with New Social, Mobile, & Wearable Technologies*. Presented at the Christian Men's Fellowship Quarterly Meeting. St. James Church, Wilson, NC.
3. **Clegg, T**. (2013). *Technology-Enhanced Learning Experiences for Life-Relevant Learning in Science.* Presented at the Degau Korean Teachers Professional Development Institute. Department of Teaching and Learning, Policy and Leadership. College Park, MD.

<u>Service Awards and Honors</u>

1. **AT&T Laboratories Fellowship Award (2004 – 2007):** Selected to receive the fellowship covering all educational expenses. The fellowship is awarded to outstanding under-represented minority and women students who are pursuing Ph.D. studies in computer and communications-related fields.

2. **College of Computing Best Undergraduate Teaching Assistant (2008):** Award recipient for guest lecturing, advising students, and assisting in grading responsibilities for an undergraduate course.

3. **Facilitating Academic Careers in Engineering (2003 – 2010):** Fellowship provided a stipend and monthly enrichment workshops to African-Americans attaining doctorates in engineering and science.