

## **Dr. Emma M. Mercier**

### **Education**

Ph.D. Educational Psychology, Stanford University, 2008.

MA (hons) Psychology, The University of Edinburgh, 2001\* .

### **Current Appointments**

*2013 to present:* Assistant Professor (tenure-track, 100%)  
Department of Curriculum and Instruction, College of Education  
The University of Illinois at Urbana-Champaign

*2015 to present:* Secondary Appointment: Assistant Professor (0%)  
Department of Educational Psychology, College of Education  
The University of Illinois at Urbana-Champaign

*2016 to present:* Affiliate Appointment,  
Illinois Informatics Institute  
The University of Illinois at Urbana-Champaign

*2013 to present:* Affiliate Appointment,  
Beckman Institute of Advanced Science and Technology  
The University of Illinois at Urbana-Champaign

### **Previous Professional Appointments**

*2010 to 2013:* Part Time Lecturer  
Durham University School of Education, UK

*2009 to 2013:* Research Associate  
SynergyNet: Multi-touch in Education  
Durham University, UK

---

\* I attended Edinburgh University from 1997 to 2001. The psychology department does not award BA degrees. Thus, 4 years, two spent studying psychology exclusively, and an honors thesis results in an MA (hons).

2008 to 2009: Research Associate  
The Learning in Informal and Formal Environments Science of  
Learning Center (at Stanford University and SRI International)

2008 to 2009: Research Assistant  
Department of Child and Adolescent Psychiatry,  
Stanford University

Winter 2009: Lecturer  
School of Education, Stanford University

### Grants (awarded)

**Mercier, E.** (PI), Paquette, L. (Co-PI). *DIP: Improving collaborative learning in engineering classes through integrated tools for instructors and students*. National Science Foundation IIS-1628976. Cyberlearning and Future Technologies Research Program. \$1,349,576. 09/01/2016–08/31/2020

**Mercier, E.** (PI), Peschel, J. (Co-PI) & Herman, G. (Co-PI) *EXP: Fostering collaborative drawing and problem solving through digital sketch and touch*. National Science Foundation IIS-1441149. Cyberlearning and Future Technologies Research Program. \$557,995. 10/1/2014–9/30/2017

**Mercier, E.** (PI), Hug, B. (Co-PI) & Denos, S. (Co-PI). “*Making*” a difference: *Project based approaches to STEM engagement in middle school*. University of Illinois at Urbana Champaign, Illinois Learning Sciences Design Initiative Seed Funding Program. \$37,000. 06/01/2016–08/01/2017

**Mercier, E.** (PI) *Computer-supported collaborative learning for the development of environmental literacies*. University of Illinois at Urbana Champaign Campus Research Board Arnold O. Beckman Award. \$29,550. 08/15/2015–02/28/2018

**Mercier, E.** (PI) *Differences in the quality of collaboration between groups using multi-touch tables and tablets*. College of Education, University of Illinois at Urbana-Champaign. Hardie Faculty Fellows Award. \$20,000. 06/01/2014–05/30/2015

## Publications

\* = student co-author

### Peer-reviewed Journal Articles

- Mercier**, E. (in press). The influence of achievement goals on collaborative interactions and knowledge convergence. *Learning and Instruction*. doi: 10.1016/j.learninstruc.2016.11.006
- Mercier**, E., \*Vourloumi, G. & Higgins, S. (2017). Student interactions and the development of ideas in multi-touch and paper-based collaborative mathematical problem solving. *British Journal of Educational Technology*, 48(1), 162-175. doi: 10.1111/bjet.12351
- Mercier**, E. (2016). Teacher orchestration and student learning of mathematics activities in a smart classroom. *International Journal of Smart Technology and Learning*, 1(1), 33-52. doi: 10.1504/IJSMARTTL.2016.078160
- Mercier**, E., Higgins, S. E., & \*Joyce-Gibbons, A. (2016). The effects of room design on computer-supported collaborative learning in a multi-touch classroom. *Interactive Learning Environments*, 24(3), 504-522. doi:10.1080/10494820.2014.881392
- Mercier**, E., Rattray, J., & Lavery, J. (2015). Twitter in the collaborative classroom: Micro-blogging for in-class collaborative discussions. *International Journal of Social Media and Interactive Learning Environments*, 3(2), 83-99.
- Mercier**, E., & Higgins, S. (2014). Creating joint representations of collaborative problem solving with multi-touch technology. *Journal of Computer Assisted Learning*, 30(6), 497-510. doi: 10.1111/jcal.12052
- Mercier**, E., Higgins, S., & \*da Costa, L. (2014). Different leaders: Emergent organizational and intellectual leadership in collaborative learning groups. *International Journal of Computer-Supported Collaborative Learning*, 9(4), 397-432. doi: 10.1007/s11412-014-9201-z
- Mercier**, E., & Higgins, S. (2013). Collaborative learning with multi-touch technology: Developing adaptive expertise. *Learning and Instruction*, 25, 13-23. doi: 10.1016/j.learninstruc.2012.10.004
- Minjarez, M. B., **Mercier**, E., Williams, S. E., & Hardan, A. Y. (2013). Assessing the impact of pivotal response group therapy on parenting stress and empowerment levels. *Journal of Positive Behavior Interventions*, 15(2), 71-71. doi:10.1177/1098300712449055
- Higgins, S., **Mercier**, E., Burd, L., & \*Joyce-Gibbons A. (2012). Multi-touch tables and collaborative learning. *British Journal of Educational Technology*, 43(6), 1041-1054. doi: 10.1111/j.1467-8535.2011.01259.x

Higgins, S. E., **Mercier**, E., Burd, E., & Hatch, A. (2011). Multi-touch tables and the relationship with collaborative classroom pedagogies: A synthetic review. *International Journal of Computer-Supported Collaborative Learning*, 6(4), 515-538. doi: 10.1007/s11412-011-9131-y

Minjarez, M. B., Williams, S. E., **Mercier**, E., & Hardan, A. Y. (2011). Pivotal response group treatment for parents of children with autism. *Journal of Autism and Developmental Disorders*, 41, 92-101. doi 10.1007/s10803-010-1027-6

**Mercier**, E., Barron, B., & O'Connor, K. M. (2006). Images of self and others as computer users: The role of gender and experience. *Journal of Computer Assisted Learning*, 22, 335-348. doi: 10.1111/j.1365-2729.2006.00182.x

#### Journal Articles Under Review

**Mercier**, E., \*Shehab, S., & \*Kessler, M. (under review). Learning to collaborate by collaborating? A longitudinal analysis of groups of engineering undergraduate students.

#### Peer Reviewed Conference Proceedings

\*Kelly, S. B., \*Lawrence, L., & **Mercier**, E. (2017). Engaging everyday science data to help make sense of data. In B. K. Smith, M. Borge, E. **Mercier**, & K.Y. Lim (Eds.), *Making a Difference—Prioritizing Equity and Access in CSCL: The 12th International Conference on Computer Supported Collaborative Learning*. Philadelphia: The International Society of the Learning Sciences.

\*Shehab, S., & **Mercier**, E. (2017). Designing engineering tasks for collaborative problem solving. In B. K. Smith, M. Borge, E. **Mercier**, & K. Y. Lim (Eds.), *Making a Difference—Prioritizing Equity and Access in CSCL: The 12th International Conference on Computer Supported Collaborative Learning*. Philadelphia: The International Society of the Learning Sciences.

\*Shehab, S., & **Mercier**, E. (2017). The effect of the screen size of multi-touch tables on collaborative problem solving interactions. In B. K. Smith, M. Borge, E. **Mercier**, & K. Y. Lim (Eds.), *Making a Difference—Prioritizing Equity and Access in CSCL: The 12th International Conference on Computer Supported Collaborative Learning*. Philadelphia: The International Society of the Learning Sciences.

\* Essick, R., West, M., Silva, M., Herman, G. L., & **Mercier**, E. (2016). *Scaling-up Collaborative Learning for Large Introductory Courses Using Active Learning Spaces, TA training, and Computerized Team Management*. Paper presented at the ASEE Annual Conference & Exposition, New Orleans, LA. doi: 10.18260/p.27342

- Mercier, E.** (2015). Live content updates and teacher intervention in collaborative groups. In E. **Mercier** (chair) Researching and designing for the orchestration of learning in the CSCL classroom. In O. Lindwall, P. Häkkinen, T. Koschmann, P. Tchounikine, & S. Ludvigsen (Eds.), *Exploring the Material Conditions of Learning: Computer Supported Collaborative Learning (CSCL) Conference 2015* 599-606. Gothenburg, Sweden: The International Society of the Learning Sciences.
- Mercier, E., \*Shehab, S.,\*Sun, J. & \*Capell, N.** (2015). The development of collaborative practices in introductory engineering courses. In O. Lindwall, P. Häkkinen, T. Koschmann, P. Tchounikine, & S. Ludvigsen (Eds.), *Exploring the Material Conditions of Learning: Computer Supported Collaborative Learning (CSCL) Conference 2015*, 657-658. Gothenburg, Sweden: The International Society of the Learning Sciences.
- Mercier, E., \*Vourloumi, G., & Higgins, S.** (2013). Idea development in multi-touch and paper-based collaborative problem solving. 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: CSCL 2013 Conference Proceedings Vol. 2* 313-314. Madison, WI : The International Society of the Learning Sciences.
- Mercier, E., Higgins, S., Burd, E., & McNaughton, J.** (2012). ITS in the classroom: Perspectives on using a multi-touch classroom. In M. Horn & M. Ringle Morris (Eds.), *The Proceedings of the ACM Interactive Tabletops and Surfaces Conference*, 375-378. Cambridge, MA.
- Mercier, E., Higgins, S., & Burd, E.** (2012). Tabletops in the classroom: Reflections on a multi-year project. In G. Biswas et al. (Eds.), *Proceedings of the 20th International Conference on Computers in Education*. Singapore: Asia-Pacific Society for Computers in Education.
- Mercier, E., McNaughton, J., Higgins, S., & Burd, E.** (2012). Orchestrating learning in the multi-touch classroom: Developing appropriate tools. In M. Evans (chair) Interactive surfaces and spaces: A Learning Sciences agenda. J. van Aalst, K. Thompson, M. J. Jacobson, & P. Reimann. (Eds.) *The Future of Learning: Proceedings of the 10<sup>th</sup> International Conference of the Learning Sciences (ICLS 2012): Vol.. 2, Short Papers, Symposia, and Abstracts*. Sydney, Australia: The International Society of the Learning Sciences.
- Mercier, E., Higgins, S., Burd, E., & \*Joyce-Gibbons, A.** (2012). Multi-Touch technology to support multiple levels of collaborative learning in the classroom. In J. van Aalst, K. Thompson, M. J. Jacobson, & P. Reimann (Eds.) *The Future of Learning: Proceedings of the 10<sup>th</sup> International Conference of the Learning Sciences (ICLS 2012): Vol. 2, Short Papers, Symposia, and Abstracts*. Sydney, Australia: The International Society of the Learning Sciences.

- Hatch, A., Higgins, S., \*Joyce-Gibbons, A., & **Mercier**, E. (2011). NumberNet: Using multi-touch technology to support within and between group mathematics learning. In H. Spada, G. Stahl, N. Miyake, & N. Law (Eds.), *Connecting CSCL to Policy and Practice: CSCL2011 Conference Proceedings: Vol. I— Long Papers*, 176-183. Hong Kong: The International Society of the Learning Sciences.
- Alagha, I., Burd, E., Higgins, S., & **Mercier**, E. (2011). SynergyNet: Exploring design and pedagogy in a multi-touch classroom. In J. Slotta (chair) Embedding CSCL in classrooms: Conceptual and methodological challenges of research in new learning spaces. H. Spada, G. Stahl, N. Miyake, & N. Law (Eds.). *Connecting CSCL to Policy and Practice: CSCL2011 Conference Proceedings*, 1081-1082. Hong Kong: The International Society of the Learning Sciences.
- Barron, B., Martin, C. K., **Mercier**, E., Pea, R., Steinbock, D., Walter, S., Herrenkohl, L. Mertl, V., & Tyson, K. (2009). Repertoires of collaborative practices. In C. O'Malley, D. Suthers, P. Reimann, & A. Dimitracopoulou (Eds.). *Computer-Supported Collaborative Learning Practices: CSCL2009 Conference Proceedings: Vol. II*, 25-27. Rhodes, Greece: The International Society of the Learning Sciences.
- Mercier**, E., Goldman, S., & Booker, A. (2006). Collaborating to learn, learning to collaborate: Finding the balance in a cross-disciplinary design course. In S. Barab, K. Hay, & D. Hickey (Eds.). *The Proceedings of the Seventh International Conference of the Learning Sciences, Vol. 1*, 467-473. Bloomington, IN: Erlbaum.
- Mercier**, E., Booker, A., & Goldman, S. (2005). Bringing collaboration front and center in a cross-disciplinary design course. In P. Kommers & G. Richards (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2005*, 4895-4900. Montreal, Canada: AACE.
- Barron, B., Tackman, J., Martin, C., **Mercier**, E., Johri, A., Johnson, Z., et al. (2004). Equity and the development of technological fluency. In Y. Kafai, W.A. Sandoval, & N. Enyedy (Eds.) *The Proceedings of the Sixth International Conference of the Learning Sciences*, 585-585. Los Angeles: Erlbaum.

#### Edited Volumes

- Smith, B. K., Borge, M., **Mercier**, E., & Lim, K. Y. (Eds.). (2017). *Making a Difference—Prioritizing Equity and Access in CSCL: The 12th International Conference on Computer Supported Collaborative Learning*. Philadelphia. The International Society of the Learning Sciences.

### Book Chapters

Philips, J., Minjarez, M., **Mercier**, E., Feinstein, C., & Hardan, A. Y. (2011). Autism Spectrum Disorders. In H. Steiner (Ed.), *Handbook of Developmental Psychiatry*, 463-490. Singapore: World Scientific.

**Mercier**, E., Goldman, S., & Booker, A. (2009). Focusing on process: Evidence and ideas to promote learning through the collaborative design process. In C. DiGiano, S. Goldman, & M. Chorost (Eds.), *Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools*, 36-61. New York: Routledge.

Goldman, S., **Mercier**, E., & Booker, A. (2009). Partnering with K-12 educators in collaborative design of learning technology. In C. DiGiano, S. Goldman, & M. Chorost (Eds.), *Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools*, 62-79. New York: Routledge.

Booker, A. Goldman, S., & **Mercier**, E. (2009). Roundtable on interdisciplinarity in learning technology design courses. In C. DiGiano, S. Goldman, & M. Chorost, (Eds.), *Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools*, 122-144. New York: Routledge.

### Other Peer-reviewed Publications

Tse, E., Kharrufa, A., **Mercier**, E., & Fong, C. (2015). Architecting collaborative learning places. Workshop. *Proceedings of the ACM 2015 International Conference on Interactive Tabletops & Surfaces*, 475-478.

**Mercier**, E., & Higgins, S. (2015). *The 4 Ts of the collaborative classroom*. Workshop Paper. International Conference on Computer Supported Collaborative Learning 2015, Orchestrated Collaborative Classroom Workshop, Gothenburg, Sweden. CEUR. <http://ceur-ws.org/Vol-1411/paper-04.pdf>

### Peer-reviewed Conference Presentations

\*Kelly, S., \*Lawrence, L., & **Mercier**, E. (2017, April). *Student collaboration to build joint understanding of data*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

\*Lawrence, L., \*Kelly, S., & **Mercier**, E. (2017, April). *Designing for data literacy with collaboration and multi-touch technology*. Poster presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

**Mercier**, E., \*Ferguson, L., \*Kessler, M., & \*Shehab, S. (2016, April). *The emergence of collaborative practices during a month of engineering problem solving activities*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.

- \*Shehab, S. & **Mercier**, E. (2015, April). *Collaborative learning in science: Teachers' perspectives*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Mercier**, E., McNaughton, J., & Higgins, S. (2014, April). *Tools for classroom orchestration: Teacher perspectives*. Poster presented at the annual meeting of the American Educational Research Association, Philadelphia.
- Mercier**, E., & Higgins, S. (2013, May). *Time And space: Analyzing multiple levels of collaborative learning across time*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- \*Groves, H., Higgins, S., & **Mercier**, E. (2013, May). *Developing adaptive expertise through computer-supported collaborative learning*. Roundtable paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Higgins, S., **Mercier**, E. M., & Burd, E. (2012, April). Collaborative learning in a multi-touch classroom. In E. **Mercier** (chair), *A framework to understand the impact of technology on collaborative learning*. Symposium conducted at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Mercier**, E. M., & Higgins, S. (2012, April). *The impact of classroom configuration on collaborative learning*. Poster session presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Mercier**, E. M., Higgins, S., & Burd, E. (2011, September). *Interdisciplinary design research: developing educational technology*. Paper presented at the European Association Research on Learning and Instruction (EARLI), Exeter, United Kingdom.
- Mercier**, E. M., Higgins, S., & \*da Costa, L., (2011, April). *Emergent organizational and intellectual leadership in collaborative learning groups*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Higgins, S., **Mercier**, E. M., & \*Joyce-Gibbons, A. (2011, April). Supporting multiple levels of classroom collaborative learning. <sup>+</sup>In E. **Mercier** (chair), *Designing technology to support collaboration in the classroom*. Symposium conducted at the annual meeting of the American Educational Research Association, New Orleans, NO.
- Higgins, S., & **Mercier**, E. (2010, September). Multi-touch technologies and motivation in the classroom. In C. Rogers (chair), *ICT and Student Engagement: Possibilities and Problems*. Symposium conducted at the annual conference of the British Education Research Association, Warwick, UK.

---

<sup>+</sup> This symposium was selected as a Division C Conference Highlight.



- Boettcher-Minjarez, M., **Mercier**, E. M., Williams, S. E., & Harden, A. Y. (2010, June). *Assessing the impact of pivotal response training (PRT) group therapy on parenting stress and empowerment levels*. Poster session presented at the International Meeting for Autism Research (IMFAR), Philadelphia.
- Mercier**, E. M. (2009, April). *Collaborative goals: The influence of achievement goals on interaction behaviors*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Mercier**, E. M. (2008, March). *The role of achievement goals on collaborative learning interactions and outcomes*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Mercier**, E. M., Tyson, K., Mertl, V., Barron, B., Herrenkohl, L., Nasir, N., & Pea, R. (2008, March). Repertoires of collaborative practice: A theoretical introduction. In K. Tyson (chair), *Meta-Collaboration: The role of individuals' theories of collaboration in the development of collaborative capacities*. Symposium conducted at the annual meeting of the American Educational Research Association, New York.
- Rossmann, L., & **Mercier**, E. M. (2008, March). Thinking about collaboration: The impact of experience on strategies. In K. Tyson (chair), *Meta-Collaboration: The role of individuals' theories of collaboration in the development of collaborative capacities*. Symposium conducted at the annual meeting of the American Educational Research Association, New York, NY.
- Mercier**, E. M., Forrsell, K.S., & Barron, B. J. (2008, March). *Documenting engagement in technologically mediated production activity across settings and time: The role of prior interests in sustaining activity*. Poster session presented at the annual meeting of the American Educational Research Association, New York.
- Barron, B., Nasir, N., **Mercier**, E., Herrenkohl, L., & Mertl, V. (2007, April). Collaborative capacities as a component of adaptive expertise. In J. Bransford (Chair), *Adaptive expertise: Its development and role in transfer*. Symposium conducted at the annual meeting of the American Educational Research Association, Chicago.
- Mercier**, E. M., Barron, B. J., & O'Connor, K. (2005, April). *Who is a computer-type person? Sixth graders' views of themselves and others*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Barron, B., & **Mercier**, E. M. (2004, April). Variability in collaborative interactions and outcomes: Researcher and participant perspectives. In G. Hatano (Chair), *Deepening our understanding of processes and outcomes of collaborative learning: Defining and investigating more and less productive efforts*. Symposium conducted at the annual meeting of the American Educational Research Association, San Diego, CA.
- Barron, B., Martin, C. K., Roberts, E., **Mercier**, E., & McPhee, S. (2004, April). *Imagining possible futures: Course taking and knowledge use within trajectories of*

*technological fluency*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

**Mercier**, E. M., & Barron, B. (2003, August). *Bunnyworld: Experience within a collaborative programming project in a college computer science class*. Paper presented at European Association Research on Learning and Instruction (EARLI), Padova, Italy.

Barron, B., Martin, C., **Mercier**, E., Pilner, K., Mathias, A., Johri, A., & Walter, S. (2003, April). *Patterns of participation in fluency-building experiences in a high-tech community: Implications for bridging divides by design*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.

### **Awards**

- 2012 Fellow, World Technology Network (Finalist for Education Award)
- 2011 STELLAR Theme Team Member: Multiple Surfaces for Collaborative Learning (MuSuCaL). Total €16000 (Lead: Jochen Rick, University of Saarland)
- 2010 British Academy Overseas Conference Grant. Total £400
- 2007 Spencer Research and Training Small Grant (administered by Stanford University School of Education). Total \$1500
- 2006 Spencer Research and Training Competitive Grant for Dissertation Research (administered by Stanford University School of Education). Total \$5,000
- 2001 Stanford University School of Education Quillen Fellowship and Research Award. Partial tuition and stipend for one year

**Invited Presentations (selected)**

“*Device Ecologies to Support Collaborative Learning in Classrooms,*” The 2014 International Conference on Collaboration Technologies and Systems, Minneapolis, MN, May, 2014.

“*Classrooms of the Future,*” The World Technology Summit 2012, New York, October, 2012.

“*Making Sense Together: Collaborative knowledge construction on a multi-touch table,*” Open University (UK) Human Centered Computer Seminar, March, 2010.

**University of Illinois at Urbana-Champaign Presentations (selected)**

“*Writing a research statement,*” University of Illinois Female Engineers in Academia Training (iFEAT), Champaign, IL, December 2, 2016.

“*Design and research of computer-supported collaborative activities in classrooms,*” University of Illinois Faculty Technology Summit, Champaign, IL, February 2, 2016.

“*Classrooms as device ecologies: Designing technology to support collaborative learning in classrooms,*” University of Illinois Learning Sciences Design Laboratory Lightning Symposium, Champaign, IL, February 27, 2015.

“*Hands-on Collaborative Activity on Re-imagining the Classroom,*” University of Illinois Collaborative Learning Spaces Symposium: Reimagining the Classroom, Champaign, IL, September 26, 2014.

“*Digital Environments for Learning, Teaching and Agency,*” University of Illinois MSTE brownbag series (with Robb Lindgren) , Champaign, IL, April 18, 2014

“*Designing Technology to Support Collaborative Learning,*” University of Illinois Center for Writing Studies Brown Bag Series, Champaign, IL, February 28, 2014.

“*Using Technology to Support Collaborative Learning in Classrooms,*” University of Illinois Teaching with Technology Brown Bag Series, Champaign, IL, February 19, 2014.

“*Designing Computer-Supported Collaborative Learning for Classrooms,*” University of Illinois, Department of Educational Psychology Cognitive Science of Teaching and Learning Brown Bag, Champaign, IL, September 30, 2013.

## Teaching

- Spring 2017:* DELTA Capstone Course (CI 489), UIUC  
*Required for DELTA undergraduates, Undergraduate and Graduate Elective*
- Fall 2016:* DELTA Graduate Seminar (CI 590), UIUC  
*Required course for DELTA graduate students*
- Fall 2016:* Methods in Child Study (CI 519), UIUC  
*Graduate Elective*
- Spring 2016:* Attention, Learning and Technology (CI 499 ALT), UIUC  
*Undergraduate and Graduate Elective*
- Spring 2016, 2017:* Child Development and Technology (CI 424), UIUC  
*Undergraduate and Graduate Elective*
- Fall 2015:* Teaching Collaborative Problem Solving in the Theoretical and Applied Mechanics Sequence (TAM 598), UIUC.  
*Required for teaching assistants in the TAM 2xx sequence*
- Fall 2014:* Designing Learning Space (CI 499), UIUC  
*Undergraduate and Graduate Elective*
- Spring 2014, 2015:* Attention, Learning and Technology (CI 507 ALT), UIUC  
*Graduate Elective*
- Fall 2013, 2014, 2015:* Collaborative Learning and Instruction (CI 507 CLI), UIUC  
*Graduate Elective*
- Winter 2013:* Research Methods, Durham University  
*Required class for second year undergraduates in (BA) Educational Studies.*
- 2010 – 2013:* Learning & Teaching, Durham University  
*Required class for first year undergraduates in (BA) Educational Studies.*
- Winter 2009:* Lecturer: The Collaborative Design of Technology Integrated Curriculum, Stanford University.
- 2002, 03, 04, 06 and 07: Research and Teaching Assistant for The Collaborative Design of Technology Integrated Curriculum, Stanford University, cross-listed School of Education and Computer Science course.

### **Contributions to program development**

- 2013-2015:* Worked with colleagues in the department of Curriculum and Instruction to establish the graduate program area in Digital Environments for Learning, Teaching and Agency.
- 2014-2015:* Led the initiative to propose a new undergraduate concentration in Digital Environments for Learning Teaching and Agency in the Learning and Education Studies Major. Approved by UIUC Board of Trustees in Spring 2015.

### **Department and University Service**

#### Campus Committees

- 2014-present:* Member, Instructional Space Advisory Committee

#### College Committees

- 2016-present:* Member, College of Education Research Committee
- 2015-present:* Member, Illinois Digital Ecologies and Learning Lab (IDEALL) Governance Committee
- 2014-2015:* Program committee, Illinois Learning Sciences Design Lab Symposium.

#### Department Committees

- 2014-2018:* Member, Faculty Advisory Committee
- 2016-2017:* Co-Chair, Department Awards Committee
- 2015-2016:* Program Area Chair, Digital Environments for Learning, Teaching and Agency Graduate Programs
- 2014-2015:* Member, Search Committee for C&I Department Head

## **Professional Service**

### National and International Committees

- 2016-2017:* Program Co-chair, International Conference on Computer Supported Collaborative Learning, 2017. International Society of the Learning Sciences
- 2015-2016:* Program Chair, Learning Sciences Special Interest Group. American Education Research Association
- 2014-2015:* Chair, Learning Sciences Special Interest Group. American Education Research Association
- 2014-2015:* Program Chair (meta-reviewer), ACM Interactive Tables and Surfaces 2014

### Journal, conference and grant reviews

I review for a range of national and international journals, conference and funding agencies. A full list is available upon request.