

## **SANDRA Y. OKITA**

Program in Communication, Media, and Learning Technologies Design  
Dept. of Mathematics, Science and Technology, Thompson Hall (322E-Box 8)  
Teachers College, Columbia University  
525 West 120<sup>th</sup> Street, New York, NY, 10027  
Office: (212) 678-4165  
okita@tc.columbia.edu

---

### **EDUCATION**

- 2008 Ph.D. Psychological Studies in Education, Stanford University
- 2005 Ph.D. Human-Computer Interaction, Media & Governance, Keio University, Japan
- 2003 M.A. Psychology, Stanford University
- 1999 M.A. Media and Governance, Keio University, Japan
- 1997 B.A. Policy Management, Keio University, Japan

### **RESEARCH INTERESTS**

Cognition and technology, specifically:

- Pedagogical agents/avatars in learning and behavior;
- Robotics and education, virtual reality and games for learning;
- Virtual learning environments as a learning platform;
- Computer Supported Collaborative Learning;
- Peer Learning, Self-other monitoring, learning by teaching, learning by doing, learning by observation in the domain of math, science, biology and agency.

### **EMPLOYMENT HISTORY**

- Program Director, Program in Communication, Media, and Learning Technologies Design, Department of Mathematics, Science, and Technology, Columbia University, Teachers College, 2016 - Present
- Associate Professor, Program in Communication, Media, and Learning Technologies Design, Department of Mathematics, Science, and Technology, Columbia University, Teachers College, 2014 – Present
- Assistant Professor, Program in Communication, Media, and Learning Technologies Design, Department of Mathematics, Science, and Technology, Columbia University, Teachers College, 2008 - 2014
- Lecturer, Department of Child and Adolescent Development, San Jose State University, 2006 - 2007
- Research Associate, Research Institute for Digital Media and Content, Keio University, Japan, 2005 - 2007
- Research Assistant, School of Education, Learning in Informal and Formal Environments (LIFE) Science of Learning Center, Stanford University, 2003 - 2008

## PEER REVIEWED JOURNAL PUBLICATIONS AND CHAPTERS

- Okita, S.Y.**, Clarke, S. (accepted). Robots and Agents to Support Collaborative Learning. In Ohshima, J., Rose, C., Wise, A., Cress, U. (Eds.), *International Handbook of Computer-Supported Collaborative Learning*. New York, NY: Springer.
- Okita, S.Y.** (2019). Social Components of Technological Artifacts and the Implications of Social Interactions on Learning and Behavior. In Kuhl, P., Lim, S., Guerriero, S., and Van Damme, D. (Eds.), *Developing Minds in the Digital Age: Towards a Science of Learning for 21st Century Education*. (pp. 125-133). Educational Research and Innovation, OECD Publishing, Paris, <https://doi.org/10.1787/562a8659-en>.
- Johal, W., Castellano, G., Tanaka, F., **Okita, S. Y.** (2018). Robots for Learning. *International Journal of Social Robotics*, 10 (3) 293-294. <https://doi.org/10.1007/s12369-018-0481-8>
- Okita, S.Y.** (2015). Turning to Embodied Technological Artifacts to Learn about Ourselves: Augmenting Performance and Learning through Recursive Feedback. In V. R. Lee (Ed.), *Learning technologies and the body: Integration and implementation in formal and informal learning environments*. (pp. 74-94). New York, NY: Routledge.
- Okita, S. Y.** (2015). The Potential of Peer Robots in the Creativity for Problem Finding and Problem Solving. *The Teachers College Record*, 117(10) 1-8.
- Okita, S.Y.**, & Ng-Thow-Hing, V. (2014). The effects of design choices on human-robot interactions in children and adults. In J. Marwowitz (Ed.), *Robots that talk and listen*. (pp. 291-320). De Gruyter.
- Okita, S. Y.** (2014). Learning from the folly of others: Learning to self-correct by monitoring the reasoning of virtual characters in a computer-supported mathematics learning environment. *Computers and Education*, 71, 257-278.
- Okita, S. Y.** (2014). The relative merits of transparency: Investigating situations that support the use of robotics in developing student learning adaptability across virtual and physical computing platforms. *British Journal of Educational Technology*, 45(5), 844-862.
- Okita, S. Y.**, & Schwartz, D. L. (2013). Learning by teaching human pupils and teachable agents: The importance of recursive feedback. *The Journal of the Learning Sciences*, 22(3), 375-412.
- Okita, S. Y.** (2013). Self-other's perspective taking: The use of therapeutic robot companions as social agents for reducing pain and anxiety in pediatric patients. *Cyberpsychology, Behavior, and Social Networking*, 16(6), 436-441.
- Okita, S. Y.**, Turkey, S., Kim, M., & Murai, Y. (2013). Learning by teaching with virtual peers and the effects of technological design choices on learning. *Computers and Education*. 63, 176-196.

- Okita, S. Y., & Wright, D.** (2013). Investigating the use of robotics in elementary schools: Increasing self-concept in STEM and identifying situations that influence performance and learning adaptability. *International Journal of Robots, Education and Art*, 3(1), 1-14.
- Okita, S.Y.** (2013). Educational technology and instructional design in synchronous blended learning environments. In E. J. Francois (Ed.), *Transcultural blended learning and teaching in postsecondary education* (pp.170-192). Hershey, PA: IGI Global.
- Ng-Thow-Hing, V, & **Okita, S. Y.** (2012). Playdates with robots, *IEEE Computer Society. Computer*, 45(8), 73-75.
- Okita, S. Y.** (2012). Social interactions and learning. In N. M. Seel (Ed.), *Encyclopedia of the sciences of learning* (pp. 3104-3107). New York, NY: Springer.
- Okita, S. Y.,** Ng-Thow-Hing, V, & Sarvadevabhatla, R. K. (2011). Multimodal approach to affective human-robot interaction design with children. *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 1(1), Article 5, 1-29.
- Okita, S. Y., & Jamalain, A.** (2011). Current challenges in integrating educational technology into elementary and middle school mathematics education. *Journal of Mathematics Education at Teachers College*, 2(2), 49-58.
- Gordon, A. M., & **Okita, S. Y.** (2010). Augmenting pediatric constraint-induced movement therapy and bimanual training with video gaming technology. *Technology and Disability, IOS Press*, 22, 179-191.
- Okita, S. Y.** (2010). E-collaboration between people and technological boundary objects: A new learning partnership in knowledge construction. In B. Ertl (Ed.), *Technologies and practices for constructing knowledge in online environments: Advancements in learning* (pp. 133-167). Hershey, PA: IGI Global.
- Schwartz, D. L., Chase, C., Chin, D. B., Opezzo, M., Kwong, H. Y., **Okita, S. Y.,** Biswas, G., Roscoe, R., Jeong, H., & Wagster, J. (2009). Interactive metacognition: Monitoring and regulating a teachable agent. In D. J. Hacker, J. Dunlosky, & A. C. Graesser (Eds.), *Handbook of metacognition in education* (pp. 340-358). New York, NY: Routledge.
- Okita, S. Y., & Schwartz, D. L.** (2006). Young children's understanding of animacy and entertainment robots. *International Journal of Humanoid Robotics (IJHR), World Scientific*, 3(3), 393-412.
- Okita, S. Y.** (2004). Effects of age on associating virtual and embodied toys. *CyberPsychology & Behavior*, 7(4), 464-471.
- Okita, S. Y., & Tokuda, H.** (2001). A virtual therapeutic environment with user projective agents. *CyberPsychology & Behavior*, 4(1), 155-167.

## MAJOR WORKS PUBLISHED IN PEER REVIEWED PROCEEDINGS

- Hu-Au, E., **Okita, S.Y.** (in press 2020). Exploring Differences in Student Learning and Behavior Between Real-Life and Virtual Reality Chemistry Laboratory Experiments. In M. Gresalfi, & I. Horn (Eds.), *Proceedings of the 18th International Conference of the Learning Sciences (ICLS)*. Nashville, TN: Vanderbilt University: ISLS.
- Okita, S. Y.** (2015). Young children's preconceived notions about robots, and how beliefs may trigger children's thinking and response to robots. *Proceedings of the 24th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)* (pp. 728-733). August 31-September 4, Kobe, Japan. DOI: 10.1109/ROMAN.2015.7333690
- Okita, S. Y., & Jamalian, A.** (2012). Learning from the folly of others: Learning to self-correct by monitoring the reasoning of projective pedagogical agents. In J. Aalst, K. Thompson, M. J. Jacobson, & P. Reimann (Eds.), *Proceedings of the 10th International Conference of the Learning Sciences (ICLS)*, Vol. 2 (pp. 281-285). Sydney, Australia: University of Sydney: ISLS.
- Miyake, N., & **Okita, S. Y.** (2012). Robot facilitation as dynamic support for collaborative learning. In J. Aalst, K. Thompson, M. J. Jacobson, & P. Reimann (Eds.), *Proceedings of the 10th International Conference of the Learning Sciences (ICLS)*. Vol. 2 (pp. 57-63), Sydney, Australia: University of Sydney: ISLS.
- Okita, S. Y., Ng-Thow-Hing, V., & Sarvadevabhatla, R. K.** (2012). Captain may I? Proxemics study examining factors that influence distance between humanoid robots, children, and adults during human-robot interaction. *Proceedings of the 7th ACM/IEEE International Conference on Human-Robot Interaction (HRI)* (pp.203-204). March 6-8, Boston, MA.
- Ng-Thow-Hing, V., Luo, P., & **Okita, S. Y.** (2010). Synchronized gesture and speech production for humanoid robots. *Proceedings of the 2010 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)* (pp. 4617-4624). October 18-22, Taipei, Taiwan.
- Sarvadevabhatla, R. K., Ng-Thow-Hing, V., & **Okita, S. Y.** (2010). Extended duration human-robot interaction: Tools and analysis. *Proceedings of the 19th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)* (pp. 7-14). September 12-15, Viareggio, Italy. DOI: 10.1109/ROMAN.2010.5598676
- Okita, S. Y., Ng-Thow-Hing, V., & Sarvadevabhatla, R. K.** (2009). Learning together: ASIMO developing an interactive learning partnership with children. *Proceedings of the 18th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)* (pp. 1125-1130). September 27-October 2, Toyama, Japan.
- Okita, S. Y., Bailenson, J., & Schwartz, D. L.** (2008). Mere belief in social action improves complex learning. In P. A. Kirschner, F. Prins, V. Jonker, & G. Kanselaar (Eds.),

*Proceedings of the 8th International Conference for the Learning Sciences, Vol. 2* (pp. 132-139). Utrecht, The Netherlands: ISLS.

- Okita, S. Y.**, Bailenson, J., & Schwartz, D. L. (2007). The mere belief of social interaction improves learning. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Meeting of the Cognitive Science Society* (pp. 1355-1360). Nashville, TN.
- Okita, S. Y.**, & Schwartz, D. L. (2006). When observation beats doing: Learning by teaching. In S. Barab, K. Hay, & D. Hickey (Eds.), *Proceedings of the 7th International Conference of the Learning Sciences, Vol. 1* (pp. 509-515). Mahwah, NJ: Erlbaum.
- Okita, S. Y.**, Schwartz, D. L., Shibata, T., & Tokuda, H. (2005). Exploring young children's attributions through entertainment robots. *Proceedings of the 14th IEEE International Workshop on Robots and Human Interactive Communication (RO-MAN)* (pp. 390-395). Nashville, TN. ISBN: 0-7803-9275-2.

## SECONDARY WORKS PUBLISHED IN PEER REVIEWED PROCEEDINGS

- Ng-Thow-Hing, V., Sarvadevabhatla, R. K., & **Okita, S.Y.** (2011). The Learning With Kids Project: Retrospective and status report. *Proceedings in Robotics: Science and Systems Conference (RSS)*. Workshop on human-robot interaction: Perspectives and contributions to robotics from the human sciences. June 27-July1, Los Angeles, CA, USA.
- Okita, S. Y.**, Ng-Thow-Hing, V., & Sarvadevabhatla, R. K. (2010). Learning with sociable robots and technology: developing an interactive learning partnership between humanoid robots and children. *The 5th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. Workshop on Learning and Adaptation of Humans in HRI (pp. 1-4). March 2-5, Osaka Japan.
- Okita, S. Y.**, & Schwartz, D. L. (2006). Learning by teaching: When passive observing through a medium can be more effective than doing. *Proceedings of the 5<sup>th</sup> International Conference of the Cognitive Science (ICCS)* (pp. 171-172). Vancouver, Canada.
- Okita, S. Y.** (2004). Accuracy and transfer in associating virtual and embodied toys. In Y. B. Kafai, W. A. Sandoval, N. Enyedy, A. S. Nixon, & F. Herrera (Eds.), *Proceedings of the 6th International Conference of the Learning Sciences (ICLS)* (p. 625). Mahwah, NJ: Erlbaum.
- Okita, S. Y.**, & Tokuda, H. (1998). The cyber-therapy model. In *Proceedings of the 3rd IEEE Multimedia Technology & Applications Conference (MTAC)* (pp. 116-120). Anaheim, CA. ISBN: 0-7803-9915-3/98.
- Okita, S. Y.**, & Tokuda, H. (1998). Psychotherapy with virtual pet agents: The PSY-AAAT prototype system. In *Proceedings of the 3<sup>rd</sup> Asia Pacific Computer Human Interaction*

(*APCHI*) (pp. 403-408). Shonan Village Center, Kamakura, Japan. ISBN: 0-8186-8347-3/98.

## PEER REVIEWED CONFERENCE PRESENTATIONS

Hu-Au, E., **Okita, S.Y.** (2020, April accepted). *Comparing Learning Between Virtual Reality and Real-Life Chemistry Labs*. American Educational Research Association (AERA), San Francisco, CA.

**Okita, S. Y.** (2017, October). *Engagement and Motivation*. Workshop on Robots 4 Learning (R4L), EPFL, Lausanne, Switzerland. <https://r4l.epfl.ch/swiss-r4l>

**Okita, S. Y.** (2016, August). *Humans, Avatars, and Robots as Peer Learners*. Workshop on Robots 4 Learning (R4L) The 25th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN). August 26-31, New York, U.S.A.

**Okita, S. Y.**, Ng-Thow-Hing, V., & Sarvadevabhatla, R. K. (2011, July). *Designing affective engagement in human-robot interaction with children*. The 9th Int'l Conference on Computer-Supported Collaborative Learning (CSCL), Workshop on Robotics for CSCL, Hong Kong, China.

**Okita, S. Y.** (2009, April). *Learning to self-monitor by monitoring others using projective pedagogical agents*. American Educational Research Association (AERA), San Diego, CA.

**Okita, S. Y.**, Bailenson, J., & Schwartz, D. L. (2008, April). *Agent and avatar: Does belief of being social or socially relevant action lead to learning?* American Educational Research Association (AERA), New York, NY.

**Okita, S. Y.** (2004, April). *Effects of age on associating virtual and embodied toys*. American Educational Research Association (AERA), San Diego, CA.

## INVITED PRESENTATIONS

*Instructional Design for Educational Human-Robot Interactions* (2020, February). Invited talk at Grove School of Engineering, the City College of New York (CCNY). New York.

*Learning with Sociable Artifacts* (2019, November). Designing SFC Spirits Speaker Series, Keio University, Japan.

*Tools are Just Objects Unless Used Purposefully* (2019, October). Artificial Intelligence (AI) in Education Conference, Teachers College, Columbia University, New York.

*Learning with Pedagogical Robots and Agents* (2019, September). Future of Childhood Speaker Series, Joan Ganz Cooney Center, Sesame Workshop.

*Social Implications on Learning Using Technological Artifacts* (2019, September). Jacobs Foundation Workshop on Social Learning. Society for Research in Child Development (SRCD)

*Women in STEAM* (2019, April). Women in Robotics. FIRST Tech Challenge (FTC) Robotics competition. Nightingale-Bamford School. New York.

*Computational Approach to Learning with Social Pedagogical Artifacts* (2019, February). Invited talk at Instituto Superior Técnico Universidade de Lisboa, Portugal.

*Human-Robot Interaction Design for Learning* (2019, February). Invited talk at Grove School of Engineering, the City College of New York (CCNY). New York.

*From Research Findings to Practice: Educational Technology in the STEM Subject Area* (2018, February). Invited speaker at Guangdong principal delegation at Teachers College, Center on Chinese Education, at Teachers College, Columbia University. New York.

*Sociable Artifacts in Learning and Behavior* (2017, November). Invited speaker at Brown-bag Speaker Series, New York Hall of Science (NYSCI). New York.

*Social Acceptance of Robots* (2017, November). Invited speaker at Robotics Program Speaker Series, Montclair State University. New Jersey

*Learning with Sociable Artifacts* (2017, September). Keynote speaker at Robotics and Computer Science Workshop, Grove School of Engineering, the City College of New York (CCNY). New York.

*Therapeutic robot companions as social agents for reducing pain and anxiety in pediatric patients.* (2015, February). St. Mary's Hospital for Children in Bayside New York, NY.

*Robots as Learning Partners* (2014, April). Where the Future Comes First. At the Academic Festival 2014 Faculty Showcase, Teachers College, Columbia University. New York.

*In search for the ideal peer learner* (2013, May). Innovation Showcase: Robots as Peer Learners. At the Education Writers Associations National Conference, Stanford University, California.

*Learning with sociable artifacts that make us more human* (2013, March). Invited talk at Graduate School of Education and School of Information, University of California, Berkeley.

*Multimodal approach to facilitating affective human-robot interactions* (2012, November). Computer Science Department, Columbia University. New York.

*Gaming technology, culture and learning* (2011, November). NYC Department of Education After School Professional Development Program: Contemporary Japan: Pop Culture, High Tech Culture, and 21st Century Teaching Skills, Japan Society, New York.

*Androids, humanoids, robots and learning* (2011, November). NYC Department of Education After School Professional Development Program: Contemporary Japan: Pop Culture, High Tech Culture, and 21st Century Teaching Skills, Japan Society, New York.

*Learning with sociable robots and technology*. (2010, March). 5th ACM/IEEE International Conference on Human-Robot Interaction (HRI): 2010 Workshop on Learning and Adaptation of Humans in HRI. Osaka, Japan.

*Learning to self-correct by monitoring the behavior of others using pedagogical agents*. (2010, March). Cognitive Connection, Teachers College, Columbia University. New York.

*Robots in education*. (2010, February). Casual Conversations, Teachers College, Columbia University. New York.

*Androids, humanoids, robots, and learning*. (2009, October). Dewey Circle Reception, Teachers College, Columbia University. New York.

*Learning from sociable robots and how children interact with technology*. (2009, October). Honda Research Institute Japan. Wako Saitama, Japan.

*Learning partnerships between individuals and technology, and how technology intersects with learning and instructional processes*. (2008, December). Ed Lab, Teachers College, Columbia University. New York.

*Agent and avatar: Does belief of being social or socially relevant action lead to learning?* (2008, March). School of Education, University of Massachusetts. Boston.

*Learning from virtual people*. (2007, January). Human-Computer Interaction Institute (HCII), School of Computer Science, Carnegie Mellon University. Pittsburgh, PA.

*The development of middleware in creating networked virtual therapeutic environments*. (2000, August). Workshop on Emerging Technologies, Carnegie Mellon University. Pittsburgh, PA.

*Projective agent computing*. (1999, August). Workshop on Emerging Technologies, Carnegie Mellon University. Pittsburgh, PA.

## **HONORS AND AWARDS**

2011-2012 Dean's Faculty Diversity Research Award, *Digital divide and identity development: Use of math, science and technology as cultural learning tools in elementary school classrooms to address issues in gender, culture and social economic status-related stereotypes*.



2008 Best Paper Award, 8<sup>th</sup> International Conference of the Learning Sciences, *Mere belief in social action improves complex learning.*

## GRANTS

- 2020 (Under Review) Partner Investigator, Australian Research Council Discovery Project, *Immersive Sense-making: Enabling Situated Science Collaboration with Remote Sensing Data in Immersive Reality*
- 2016-2019 Co-Primary Investigator, Google Virtual Reality Research Program, \$125,000, *STEM-VR Scientist Space Expedition Project: Implementation of high quality STEM VR Content in Classrooms*
- 2016-2017 Primary Investigator, Columbia University Provost Investment Fund, \$20,000, *International Conference on Robot and Human Interactive Communication at Teachers College.*
- 2015-2016 Primary Investigator, Columbia University Provost Investment Fund, \$20,000, *Human-Centered Approach to Robotics Research in Education, Psychology, and Health.*
- 2011-2012 Primary Investigator, Columbia University Dean's Faculty Diversity Research Award, \$2,500, *Digital divide and identity development: Use of math, science and technology as cultural learning tools in elementary school classrooms.*
- 2010-2012 Investigator, National Science Foundation (NSF), \$999,281, *POlar learning and responding: POlar climate partnership.*
- 2009-2011 Primary Investigator, Honda Research Institute, Industrial Research Grant, \$155,250, *Learning partnership between children and robots.*
- 2008-2011 Primary Investigator, Research Institute of Digital Media and Content, \$86,000, Global Studio Project between Columbia University and Keio University.
- 2005-2009 Primary Investigator, Research Institute of Digital Media and Content, \$66,609, Global studio project with Stanford Center for Innovations in Learning. Distance Learning Global Studio Project.
- 2004 Primary Investigator, Advanced Industrial Science and Technology (AIST) collaborative research project, \$8,000, Experiment equipment funding (PARO Robot).
- 2003 Primary Investigator, Sony Entertainment America collaborative research project, estimated worth \$8,000, Experiment equipment funding (AIBO robots).
- 2003 Primary Investigator, Omron Corporation collaborative research project, estimated worth \$2,000, Experiment equipment funding (NECORO).

## SERVICE TO THE COLLEGE, PROFESSION AND COMMUNITY

### *Profession and Community*

- Standing Steering Committee Member for the IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) 2017-present
- General Chair, IEEE International Workshop on Robot and Human Interactive Communication (RO-MAM), 2016
- Editorial board member, *International Journal of Robots, Education, and Art* (IJREA), 2012-present
- Reviewer, *Journal of the Learning Sciences*, 2012-present
- Reviewer, *Computers and Education Journal*, 2012-present
- Reviewer, *International Journal of Social Robotics*, 2013-present
- Reviewer, *Journal of Human-Robot Interaction (JHRI)*, 2012-present
- Reviewer, *Cyberpsychology, Behavior, and Social Networking*, 2012-present
- Reviewer, *Educational Psychology Review Journal*, 2009-present
- Program Review Panel, National Science Foundation (NSF), 2010-present
- Proposal Reviewer, International Conference of the Learning Sciences (ICLS), 2010-present
- Proposal Reviewer, American Educational Research Association (AERA), 2009-present
- Proposal Reviewer, IEEE Int'l Conference on Human-Robot Interaction (HRI), 2012-present
- Proposal Reviewer, IEEE Int'l Conference on Robotics and Automation (ICRA), 2010-present
- Proposal Reviewer, IEEE Int'l Workshop on Robot and Human Interactive Communication (Ro-Man), 2009-present
- On-site Organizer, Mozilla 24 World Wide Continuous Event, Stanford University, Twenty-four hour worldwide conference hosted by Mozilla's organizations in Japan, U.S. and Europe, 2007, <http://www.mozilla24.com/>
- On-site Organizer, Global Studio Project International Symposium, *The Digital Information Revolution to the Environmental Energy Revolution*, 2008
- Publicity Chair, IEEE Virtual Reality (IEEE-VR) Conference Committee, 2003

### ***College***

- Program Director, Communication, Computing, and Technology in Education, Department of Mathematics, Science and Technology(MST) 2016-present
- Member, Associate Dean for Research Search Committee, Teachers College 2019-present
- Chair, FEC Personnel Committee, Teachers College 2019-present
- Member, Director of International Services Search Committee, Office of International Students and Scholars (OISS) 2018-2019
- Chair, Communication, Computing, and Technology in Education(CMLTD), Faculty Search Committee, Department of Mathematics, Science and Technology 2016-2018
- Member, Mathematics, Science and Technology (MST) Department Representative, FEC APS Committee 2015-2016
- Member, Communication, Computing, and Technology in Education, Faculty Search Committee, Department of Mathematics, Science and Technology 2013-2014

Member, Cognitive Studies Faculty Search Committee, Department of Human Development	2012-2013
Member, Director of Academic Administration (DAA) Search Committee, Department of Mathematics, Science and Technology	2011-2012
Member, Teachers College, Institutional Review Board Committee	2008-2012
Member, Mathematics Education Faculty Search Committee, Department of Mathematics, Science and Technology	2010-2011
Member, TESOL Japan Interim Director Search Committee, Department of Arts and Humanities	2008-2009

### **PROFESSIONAL SOCIETIES**

International Society of the Learning Sciences (ISLS)

Cognitive Science Society

American Educational Research Association (AERA)

Association for Computing Machinery (ACM)

Institute of Electrical and Electronics Engineers (IEEE)

*Updated: December 2019*