

# **STEPHEN ADAMS, PH.D.**

COLLEGE OF EDUCATION  
CALIFORNIA STATE UNIVERSITY, LONG BEACH  
1250 BELLFLOWER BLVD., LONG BEACH, CALIFORNIA 90840

*[Contact info redacted  
for online publication]*

## **Education**

University of California, Berkeley.

Ph.D. 1998. Education: Mathematics, Science, and Technology.

M.A. 1989. Education: Mathematics, Science, and Technology.

Grinnell College.

B.A. 1985. Mathematics and philosophy.

## **Academic Appointments**

California State University, Long Beach (CSULB).

Educational Technology and Media Leadership Program. Department of Advanced Studies in Education & Counseling, College of Education.

- Professor, 2013 – present.
- Associate Professor, 2004 – 2013.
- Assistant Professor, 2000 – 2004.
- Full-time Lecturer, 1998 – 2000.

## **Administrative Experience**

Educational Technology Program Coordinator, 1998 - 2006; 2007 - 2008; 2012 – 2019; 2021 – present.

## **Awards**

CSULB College of Education Outstanding Faculty Teaching Award, 2019.

“Outstanding Paper” Award from the Society for Information Technology and Teacher Education, Atlanta, GA, March, 2004. Paper: “A strategy for technology training as part of a Master’s program conducted at a school site.”

## **External Grants**

1. Co-investigator for the project, “Developing Effective and Engaging Practices in STEM Education: Supporting Learning via University-Community Collaborations.” Collaborators: Dr. James Kisiel (Associate Professor, Department of Science Education, College of Natural Sciences and Mathematics, CSULB), Dr. Lisa Martin-Hansen

(Professor and Chair, Department of Science Education, College of Natural Sciences and Mathematics, CSULB), Dr. Paul Narguizian (Professor, Department of Biological Sciences, College of Natural and Social Sciences, CSU Los Angeles). Award of \$200,000 from the Keck Foundation (for the period January 1, 2015 to September 30, 2017) supported developing and evaluating three models for creating collaborations between CSULB and informal learning environments.

2. Director for Transforming Teaching and Learning through Technology project, which received \$136,667.
  - a. Phase V (2017-18) further evaluated a course on educational technology and STEM with practicum at the Boys & Girls Club. Funding for this phase was \$6,500 from the CSU Collaborative for Linked Learning with funding from the James Irvine Foundation.
  - b. Phase IV (2015-2016) conducted and evaluated course on educational technology and STEM with practicum at the Boys & Girls Club, with an emphasis on technology in engineering instruction. Funding for this phase was \$31,000 (\$20,000 from Fluor and \$11,000 from the CSU Collaborative for Linked Learning with funding from the James Irvine Foundation). Funds supported tuition costs to offer the cost and no charge to teachers, materials, planning, and evaluation of teachers' experiences.
  - c. Phase III (2014) conducted and evaluated course on educational technology and STEM with practicum at the Boys & Girls Club, with an emphasis on technology and engineering instruction. Support for this phase was \$40,000, including \$20,000 from Fluor, \$10,000 from Chevron, and \$10,000 from the Packard Foundation. Funding supported tuition costs to offer the cost and no charge to teachers, materials, planning, and evaluation.
  - d. Phase II of the project (2013) supported beginning the teacher training program in educational technology, with field experience in teachers' own classrooms. Funding for this phase was \$40,303 and included \$20,000 from Fluor, \$15,303 from the Noyce Foundation and \$5,000 from the Chevron. Funds supported tuition costs to offer the cost and no charge to teachers, materials, planning, and evaluation.
  - e. Phase I of the project (2012) developed an online course for STEM teachers to incorporate technology into their teaching. Funding for this phase was \$26,364. \$10,000 from Google supported course development, and \$16,364 from 100Kin10 supported planning and grant development in collaboration with the CSU Chancellor's Office.
3. Director for the Principles of Educational Technology project, which supported technology training at Garden Grove Unified School District. June, 2012 – December, 2012. Gift of \$15,000 from Google to the CSULB College of Education supported stipends for faculty to offer workshops at no charge to teachers. Collaborators: Ali Rezaei, Lesley Farmer.

4. Recipient of a Traineeship from the “Reforming Education through Science and Design” program at the University of California, Berkeley with funding from the National Science Foundation, 1997-98.

### **Grants and Awards from CSU Long Beach**

1. “Developing Common Templates for Introductory Educational Technology Courses to Promote Equity.” Led project to the College of Education Curricular Innovation program funded for \$6300. Collaborators: Lesley Farmer, Ali Rezaei, Teresa Chen, Melvin Cobb, Paul Burns, Francine Vasilomanolakis, Marvin Mayo, Javier deSantiago (2021).
2. Creating a New Educational Technology Course and Elevating the Master's Degree Option in Educational Technology.” Led project funded for \$4,440 from the CED Endowments Committee in collaboration with Lesley Farmer, Ali Rezaei, Teresa Chen, Melvin Cobb, and Khaoi Mady (2017 – 18).
3. “Teachers’ Learning about Educational Technology and Linked Learning.” Award of \$1490 from the Educational Leadership Department Research Scholarly, and Creative Activity program (2017-18).
4. “A Study of Teachers’ Learning about Educational Technology in a Graduate Program on Linked Learning.” Course release from the College of Education Research, Scholarly, and Creative Activity program (2017-18).
5. “Evaluation of Student Learning Outcomes in an Educational Technology Course with Study Abroad in Costa Rica.” Award of \$1,642 from the Educational Leadership Department Research Scholarly, and Creative Activity program (2016-17).
6. “Creating a Graduate Certificate in Integrating Technology in Education.” Course release from the College of Education Veffie Milstead Jones Curricular Innovation program (2016-17).
7. “STEM Learning Communities in and Out of School.” Course release from the College of Education Research, Scholarly, and Creative Activity program (2015-16).
8. “Analysis of a Model for Teacher Training in Educational Technologies in Science, Engineering, and Mathematics.” Award of \$3,995 from the Educational Leadership Department Research Scholarly, and Creative Activity program, (2015-16).
9. “Creating a Graduate Certificate in Education and Leadership in Science, Technology, Engineering, and Mathematics (STEM).” Course release from College of Education Veffie Milstead Jones Curricular Innovation Award program (2015-16).
10. “Transforming Teaching and Learning through Technology: A Professional Development Model for Math and Science Teachers.” Course release from the College of Education for Research, Scholarly, and Creative Activity program (2014-15).

11. "Creating a Study Abroad Option in Costa Rica for a Graduate Course in the College of Education." Grant of \$2,500 from the International Education Committee to develop a study-abroad course (2012-13).
12. "Educational Leadership in California and Costa Rica." Grant of \$1,500 from the International Education Committee to develop a collaborative curriculum project with Universidad Nacional, Costa Rica. Collaborator: Charles Slater (2011-12).
13. "Assessing and Improving the Educational Technology Graduate Program." Grant of \$9,966 from the Assessment Committee. Collaborators: Teresa Chen, Ali Rezaei, and Jennifer Lamkins. Spring, 2004.
14. "Embedding Assessments into a Course for New Technology Requirements for Teachers." Grant of \$5,550 awarded by the Enhancing Educational Effectiveness program. Collaborator: Teresa Chen. Spring, 2002.
15. "Creating a New Option in Educational Technology for the Master of Arts in Education." Grant of \$8,150 from the Educational Innovation Award program. Collaborators: Teresa Chen, Linda Larson, and Jennifer Lamkins. Summer, 2001.

### **Peer-Reviewed Publications**

1. Adams, S., Farmer, L. and Rojas, F. (2019). Introducing digital citizenship to high school teachers using activities with information technologies. Gibson, D.C. & Ochoa, M.N. (2019). *Research Highlights in Technology and Teacher Education 2019*: Association for the Advancement of Computing in Education (AACE).
2. Adams, S. & Rojas Ramirez, F. (2018). High school teachers' self-assessment of their TPACK after graduate coursework: A Mixed methods evaluation. In Liu, L. & Gibson, D. (Eds.), *Research Highlights in Technology and Teacher Education 2018*. Waynesville, NC: Association for the Advancement of Computing in Education (AACE)
3. Adams, S., Burns, P., & Martin-Hansen, L. (2018). Youth views of science and engineering in a program for preparing teachers to use educational technology in STEM education. *Contemporary Issues in Technology and Teacher Education*, 18(3). Retrieved from <https://www.citejournal.org/volume-18/issue-3-18/science/youth-views-of-science-and-engineering-in-a-program-for-preparing-teachers-to-use-educational-technology-in-stem-education>
4. Adams, S. & Rojas Ramirez, F. (2017). Interviews of participants in a short-term study abroad program in Costa Rica regarding educational technology. In Liu, L. & Gibson, D. (Eds.), *Research Highlights in Technology and Teacher Education 2017* (pp. 177 - 185). Waynesville, NC: Association for the Advancement of Computing in Education (AACE).

5. Adams, S., Burns, P., & Martin-Hansen, L. (2017). Youth perceptions of science, technology, and engineering in workshops at a community organization. *Conexão Ciência <Science Connection> 12 (2)*, 428-434.
6. Adams, S., & Rojas, F. (2017). Interviews of participants in a short-term study abroad program in Costa Rica regarding educational technology. *Proceedings of Society for Information Technology & Teacher Education International Conference 2017*. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
7. Adams, S., & Bernal, E. (2016). Evaluating a program of teacher training in educational technology and STEM using two measures of TPACK. *Proceedings of Society for Information Technology & Teacher Education International Conference 2016*. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
8. Fitzgerald, A., & Adams, S. (2016). Design and formative evaluation of an e-learning module for training teachers to integrate technology into teaching. *Proceedings of Society for Information Technology & Teacher Education International Conference 2016*. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
9. Adams, S., Bernal, E., Cole-Jackson, M., & Martin-Hansen, L. (2015). Training teachers to use educational technologies in STEM using field experience at a community-based organization. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 3021-3025). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
10. Adams, S. (2013). A field test of a model for training teachers to use technology in mathematics and science teaching [abstract]. In *Edulearn 13 Proceedings: The 5th Annual International Conference on Education and New Learning Technologies* (p. 1069). International Academy of Technology, Education, and Development: Barcelona, Spain.
11. Adams, S. Murillo, S; Rojas, F., & Slater, C. (2012). Using technology to promote intercultural learning among three graduate classes in Costa Rica and California. *Proceedings of Society for Information Technology & Teacher Education International Conference 2012*. Chesapeake, VA: AACE.
12. Adams, S. (2011). Teachers' understanding of systems thinking concepts in a course on educational technology leadership. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 1743-1745). Chesapeake, VA: AACE.
13. Adams, S. (2010, May). Establishing K-12 Global partnerships via a graduate course in educational technology. *Proceedings of Global Learn Asia Pacific 2010*. Penang, Malaysia: AACE.
14. Adams, S. (2008). Service learning and global learning in a graduate course in educational technology. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 2305-2307). Chesapeake, VA: AACE.

15. Adams, S. (2005). A strategy for technology training as part of a Master's program conducted at a school site. *Journal of Technology and Teacher Education*, 13(3), 493-514. Norfolk, VA: AACE.
16. Adams, S. T. (2004). Commentary: Considerations in pedagogy and assessment in the use of computers to promote learning about scientific models. *Contemporary Issues in Technology and Teacher Education*, 4(1).
17. Rezaei, A., Chen, T., & Adams, S. (2004). Review of four introductory textbooks on educational technology. *American Association for Computing in Education Journal*, 12 (1).
18. Adams, S. (2003). Investigation of the “Convince Me” computer environment as a tool for critical argumentation about public policy issues. *Journal of Interactive Learning Environments*, 14 (3), 263-283.
19. Adams, S. (2002). Studies of how students and scientists evaluate scientific claims from the World Wide Web: A method for formulating goals for scientific literacy and critical information literacy. In Bizzo, N. et al. (Eds.) *International Organization for Science and Technology Education X Symposium Proceedings: Rethinking Science and Technology Education to Meet the Demands of Future Generations in a Changing World*. Sao Paulo, Brazil, ISBN 1-55195-029-4.
20. Adams, S. (2001). Views of the uncertainties of climate change: A comparison of high school students and specialists. *Canadian Journal of Environmental Education*, 6, 58-76.
21. Adams, S. (1999). Critiquing claims about global warming from the World Wide Web: A comparison of high school students and specialists. *Bulletin of Science, Technology, & Society*, 19(6), 539-543.
22. Adams, S. (1999). Views of policies affecting automobiles: A comparison of high school students and specialists. *Bulletin of Science, Technology, & Society*, 19(5), 372-380.
23. Adams, S., & diSessa, A. (1991). Learning by “Cheating”: Students’ inventive ways of using a Boxer motion microworld. *Journal of Mathematical Behavior*, 10 (1), 79-90.
24. Tang, P., & Adams, S. (1988). Can computers think? Artificial intelligence and conceptual change. *International Journal of Intelligent Systems*, 3, 1-17.
25. Adams, S. (1987). Artificial intelligence, culture, and individual responsibility. *Technology in Society: An International Journal*, 8, (4), 251-257.

### **Technical Reports and Web Sites**

1. Kisiel, J., Martin-Hansen, L., & Adams, S. (2017). Developing Effective and Engaging Practices in STEM Education: Supporting Learning via University-Community Collaborations. Unpublished evaluation report completed for the W.M. Keck Foundation Southern California Program.

2. Adams, S. (2016). Teachers, technology, and engineering. Retrieved from <http://edtechengineering.weebly.com/>
3. Adams, S. (2015). Teaching training in STEM and educational technology using field experience at a community-based organization: Report for CSU Digital Ambassador Program for STEM education, 2014-2015. Retrieved from <http://dacsulb.weebly.com/>
4. Bellamy, R., Grant, W., Cooper, E., Borovoy, R., and Adams, S. (1993). Media Fusion: A tool that supports learning through experience, reflection, and collaboration. Apple Classrooms of Tomorrow Technical Report #20. Apple Computer, Inc. Available: <http://images.apple.com/nl/images/pdf/acotlibrary/rpt20.pdf>
5. Adams, S. (1988). Children's knowledge of dinosaurs: Toward a framework for generative knowledge. Boxer Technical Report E-3, Graduate School of Education, U. C. Berkeley.

### **Presentations**

1. Adams, S., Farmer, L. and Rojas, F. (2019, March). Introducing digital citizenship to high school teachers using activities with information technologies. Presentation at the international meeting of the Society for Information Technology and Teacher Education, Las Vegas, NV.
2. Adams, S., Farmer, L., & Rojas, F. (2018, August). Introducing digital citizenship to high school teachers: Strategies and outcomes. Presentation at the biennial symposium of the International Organization for Science and Technology Education (IOSTE), Malmö, Sweden.
3. Adams, S., and Rojas, R. (2018, March). High school teachers' self-assessment of their TPACK after graduate coursework: A mixed methods evaluation. Presentation at the international meeting of the Society for Information Technology and Teacher Education, Arlington, VA.
4. Adams, S., Rojas, F., and Mayorga, G. (2018, February). How teachers are introducing 21st Century Skills in Linked Learning pathways. Presentation at the Linked Learning Convention 2018, Anaheim, CA.
5. Adams, S., Burns, P., and Martin-Hansen, L. (2017, June). Youth attitudes toward STEM and STEM professions following engineering workshops conducted by teachers. Poster presentation at the 2017 Convening of the Collaborative for the Advancement of Linked Learning. Long Beach, CA.
6. Adams, S., Chia, S., Mady, K. (2017, March). Study abroad in Costa Rica. Presentation at the CSULB College of Education Edweek. Long Beach, CA.
7. Adams, S., Gamache, S., Celis, M., Muraviyov, A. (2017, March). Educational technology in engineering activities at a community organization. Presentation at the Computer Using Educators National Conference. Palm Springs, CA.
8. Adams, S. (2017, January). Panelist for the session, "A dialog on educational exchange

- between Mexico and the U.S.” The 7<sup>th</sup> Annual Educational Leadership Symposium (Agents of Social Change: Inspire. Empower. Create). Long Beach, CA.
9. Adams, S. (2017, January). Robotics for youth at a community organization. Presentation at the session, “Hands-on Solutions-driven Classroom Breakthroughs: Connecting STEM Learning with Work-based Experience.” Linked Learning Convention 2017, Oakland, CA.
  10. Adams, S., Burns, P., Bernal, E., & Martin-Hansen, L. (2016, November). Student perceptions of STEM and attitudes toward STEM workshops at a youth organization. Poster presentation at the Annual Meeting of the National Research on Science Teaching Area Conference in the ASTE-Sponsored Session: Sharing Innovative Program Designs for Professional Development and Research in Science Education. Portland, OR.
  11. Hsieh, B., Martinez, C., Rubio, R., Rogers, S., Golez, F., & Adams, S. (2016, October). Expanding partnerships to supported Linked Learning in teacher education. Poster presentation at the Fall 2016 Conference of the California Council on Teacher Education. San Diego, CA.
  12. Adams, S., & Rodriguez, D. (2016, October). Engineering is Elementary + Robotics. Presentation at the 2016 California STEM Symposium, on a panel chaired by Joan Bissell and Jesse Lovejoy, “Experience the Excitement of Engineering Design!” Anaheim, CA.
  13. Adams, S., Burns, P., & Martin-Hansen, L. (2016, July). Youth perceptions of science, technology, and engineering in workshops at a community organization. Paper presented at the International Organization for Science Technology and Education, Braga, Portugal.
  14. Adams, S. (2016, May). Educational technologies, educational collaborations, and STEM. Presentation at CSU Long Beach to a delegation of faculty from Jiangsu University, China.
  15. Adams, S., Burns, P., Bernal, E., & Martin-Hansen, L. (2016, April). Student perceptions of STEM and attitudes toward STEM workshops at a youth organization. Paper and poster presentation at the Annual Meeting of the National Association for Research in Science Teaching, Baltimore, MD.
  16. Adams, S., Rojas Ramirez, F., Grenot-Scheyer, M., DeBiase, K., Rodriguez, M., & Nguyen, L. (2016, January). Global urban education: Study abroad collaborations between CSU Long Beach and Universidad Nacional, Costa Rica. Presentation at the 6<sup>th</sup> Annual Leadership Symposium: Getting Serious About Urban Education. California State University, Long Beach, CA.
  17. Adams, S., & Bernal, E. (2016, January). Developing teachers’ knowledge of technology, pedagogy, and STEM content using field experience at a youth organization. Presentation at the 6<sup>th</sup> Annual Leadership Symposium: Getting Serious About Urban Education. California State University, Long Beach, CA.
  18. Adams, S. (2015, October). Panelist for the presentation at the 2015 California STEM Symposium “Community Collaborations and Developing STEM Teachers: Lessons Learned.” Chaired by J. Kisiel and E. Serrano.
  19. Adams, S., & Bernal, E. (2015, October). *Engineering is Elementary* and teacher training at



- a community organization. Presentation at the 2015 California STEM Symposium, Anaheim, CA.
20. Adams, S., & Rodriguez, D. (2015, October). Engineering education at the Boys & Girls Clubs of Long Beach. Presentation at the 2015 California STEM Symposium, on a panel chaired by Joan Bissell and Jesse Lovejoy, "Outside-In: Drivers of Highly Effective After School and Summer STEM Learning." Anaheim, CA.
  21. Adams, S., Bernal, E. V., Cole-Jackson, M., & Martin-Hansen, L. (2015, October). Evaluating a model for teacher development in educational technology and STEM that uses field experience at a community-based organization. Poster session presented at the Area Meeting of National Science Teachers Association, Reno, NV.
  22. Adams, S (2015, July). Un modelo para el entrenamiento de maestros en ciencias, tecnología, ingeniería y matemáticas usando experiencias de campo en una organización comunitaria [A model for training teachers in science, technology, engineering, and mathematics using field experience at a community organization]. Presentation at the symposium, "El impacto de las TICs en Educacion [The Impact of Information and Communication Technologies in Education]" at the Centro de Investigación y Docencia en Educación of the Universidad Nacional de Costa Rica.
  23. Adams, S. (2015, June). Teaching and learning about STEM and information technologies: A collaboration between a university and a community-based organization. Presentation at the DML Café of the 2015 Digital Media and Learning Conference: Equity by Design, Los Angeles, CA.
  24. Keller, J. Adams, S., Grant, M., & Ellis, M. (2015, March). Preparing elementary and secondary teachers to address the NGSS and engineering design principles. The 5th California STEM Summit: Unleashing Curiosity through STEM, Los Angeles, CA.
  25. Adams, S., Cole-Jackson, M., & Bernal, E. (2015, April). A model for teaching and learning math, science and technology in informal settings. Presentation at the 18<sup>th</sup> Annual Continuums of Service Conference, Long Beach, California.
  26. Adams, S. & Bernal, E.V. (2015, January). Training teachers to use educational technology in STEM implementation and training for STEM fields. Presentation at the 5th Annual Educational Leadership Symposium: Cultivating Scholar-Practitioners through Innovation and Action-Oriented Leadership. California State University, Long Beach, Long Beach, CA.
  27. Adams, S. (2014, September). Collaborations between the Boys & Girls Club of Long Beach and CSU Long Beach for STEM instruction. Presentation to the Board of the Boys & Girls Clubs of Long Beach, Long Beach, CA.
  28. Adams, S. (2014, June). Educational technologies for collaboration and global learning. Presentation at CSU Long Beach to a delegation of faculty from Hangzhou Normal University, China.
  29. Adams, S. (2013, November). Using technology to foster teacher collaboration and

- innovation in STEM teaching. The California STEM Symposium, Sacramento, CA.
30. Adams, S. (2013, April). Transforming teaching and learning through technology: A professional development model for STEM Teachers. The 6th Annual International Symposium for Emerging Technologies for Online Learning, Las Vegas, NV.
  31. Adams, S. (2012, October). Las TIC servicio del trabajo colaborativo [Using Information and Communications Technology in collaborative work]. Presentation at the conference, "Abriendo Puertas a una Educacion con Tecnologia." [Opening Doors to Education with Technology]. Sponsored by the Ministry of Education of Costa Rica.
  32. Adams, S. (2012, June). Impacto del las tecnologías de la información y comunicaciones en la docencia universitaria. [The impact of information and communication technologies in university teaching]. Presentation at the Centro de Investigación y Docencia en Educación of the Universidad Nacional de Costa Rica.
  33. Adams, S. (2012, June). El futuro del las tecnologías de la información y comunicaciones en la docencia universitaria. [The future of information and communication technologies in university teaching]. Presentation at the Centro de Investigación y Docencia en Educación of the Universidad Nacional de Costa Rica.
  34. Adams, S., & Slater, C. (2011, October). Tecnología, aprendizaje global, y liderazgo [Technology, global learning, and leadership]. Featured presentation at the conference "Exchange of Educational Experiences with the use of Technologies" sponsored by the Centro de Investigación y Docencia en Educación, Universidad Nacional de Costa Rica.
  35. Adams, S. (2011, July). Technology and learning internationally. (With Charles Slater, Leadership and technology in education.) Presentation via Elluminate to La Universidad Nacional de Costa Rica.
  36. Adams, S. (2009, March). Initiating collaborative educational projects between local and international schools. TechEd 2009, the 14<sup>th</sup> Annual Technology in Education Conference and Exposition, in Ontario, CA.
  37. Adams, S. (2009, March). Assessment of graduate student learning outcomes pertaining to global learning and cultural implications of technology. Poster presentation at the Annual Meeting of the Society for Information Technology and Teacher Education, Charleston, SC.
  38. Adams, S. (2008, October). Fostering collaboration among local and international schools: Projects of CSULB graduate students in educational technology. Poster presentation at the annual retreat of the Academic Senate of California State University Long Beach.
  39. Adams, S. (2007, February). Service and global learning in a graduate course in educational technology. The Second Annual California State University Conference on Community-Based Teaching and Research: Diversity in California.
  40. Adams, S. (2004, March). A Strategy for technology training a part of a Master's program conducted at a school site. Presented at the annual meeting of the Society for Information Technology in Education, Atlanta, GA.
  41. Golez, F., DuCharme, C., Heiss, B., Brown, D., Thicksten, M., Burnett, E., Adams, S.,

- Kaye, C., & Anderson, C. (2003, June). A successful professional development school collaboration between a college of education and an urban public school. Presented at the meeting of California K-16 Partnerships and Student Success, Long Beach, CA.
42. Golez, F., DuCharme, C., Thicksten, M., Symcox, L., Kaye, C., Adams, S., & Burnett, E. (2003, April). It's COOL-Discuss and learn more about a successful professional development school collaboration between the College of Education and Long Beach Unified. Presented at the College of Education, California State University Long Beach, Long Beach, California.
  43. Adams, S. (2002, July). Educational technology: Using the *Convince Me* argument construction software to support policy reasoning. (Tecnologia educacional: Utilizando um software de construção de argumentos como suporte ao raciocínio.) Universidade Federal de Pernambuco. Recife, Brazil.
  44. Adams, S. (2002, April). Use of a computer environment to analyze the coherence of argumentation about policies proposed to ameliorate global warming. Paper presented at the annual conference of the American Educational Research Association (Session 50.34: Thinking, Problem Solving, and Argumentation in Technology Environments). New Orleans, Louisiana.
  45. Adams, S. (2002, February). Formulating goals for scientific and information literacy: Case study of students' and specialists' evaluation of a news report concerning computer models of climate change. The Annual Meeting of the National Association for Science, Technology and Society. Baltimore, Maryland.
  46. Adams, S. (2001, March). For a lay person, what is thoughtful thinking about policies to ameliorate climate change? The Annual Meeting of the National Association for Science, Technology and Society. Baltimore, Maryland.
  47. Adams, S. (2000, March). Views of high school students about the science and uncertainties of climate change. The Annual Meeting of the National Association for Science, Technology and Society. Baltimore, Maryland.
  48. Ranney, M., Adams, S., Siegel, M., & Brem, S. (1999, April). Reasoning about the environment: prototypical cases and their educational implications. The Fifth Conference on Environmental Education, Zurich.
  49. Adams, S. (1999, March). How high school students and specialists critique media articles about global warming. The Annual Meeting of the National Association for Science, Technology and Society. Baltimore, Maryland.
  50. Adams, S. (1999, March). How high school students and specialists evaluate policies affecting automobiles. The Annual Meeting of the National Association for Science, Technology and Society. Baltimore, Maryland.
  51. Adams, S. (1999, July). Climate change and scientific literacy: Critiquing claims from the World Wide Web. Presented at the conference, Science and Social Responsibility in the New Millennium (international conference sponsored by Student Pugwash USA), San

Diego, California.

52. Adams, S. (1997, August). Critiquing media articles about global warming. Conference of the North American Association for Environmental Education. Vancouver, B.C., Canada.
53. Ranney, M., Kaiser, F., Shimoda, T., & Adams, S. (1997, May). Explanatory coherence in reasoning about the environment. The 28th Conference of the Environmental Design Research Association, Montreal, Canada.
54. Adams, S. (1993, February). Participant in invitation-only conference. National Science Foundation Planning Conference: Setting a Research and Planning Agenda for Computer Modeling in the Pre-College Curriculum. Cambridge, MA.
55. Adams, S. (1994, February). Participant in invitation-only conference. National Science Foundation Planning Conference: Setting a Research and Planning Agenda for Computer Modeling in the Pre-College Curriculum. Participant in invitation-only conference. Cambridge, MA.
56. Adams, S. (1991, August). Extending literacy with computers: Visions based on the Boxer Computer Environment. Presented at the sixth meeting of the International Organization for Science and Technology Education (IOSTE), Palm Springs, California.
57. Adams, S. (1991, May). Learning science with Boxer: Design and collaboration with computational representations. Presented at the Ontario Institute for Studies in Education (OISE).
58. Adams, S. (1991, May). Boxer: A computational medium for education. Presented at the joint meeting of the 8th International Conference on Technology and Education and the 12th Conference of the Educational Computing Organization of Ontario. Toronto, Canada.
59. Adams, S. (1991, April). Learning about velocity using a numeric computational representation. Presented at the 1991 meeting of the American Educational Research Association.
60. Adams, S. (1991, January). Workshop on Boxer. Conducted for the Technical Education Research Centers (TERC), Cambridge, MA.
61. Ploger, D., Sherin, B., & Adams, S. (1991, April). Boxer. Presented at the session, "Demonstrations of technologies used in research on learning and instruction" at the 1991 meeting of the American Educational Research Association.
62. Adams, S. (1990, October). NUMBER-SPEED: A microworld for learning about velocity and acceleration in one dimension. Presented at the Institute of Education, University of London, U.K.
63. Adams, S. (1990, September). Computers and the reform of science education in the United States. Paper presented at the Second International Student / Young Pugwash Conference, Leningrad, USSR. Available from the Pugwash Conferences on Science and World Affairs, Geneva Office, 11A avenue de la Paix, CH-1202, Geneva, Switzerland.
64. Adams, S. (1990, July). The NATO Advanced Study Institute on Instructional Computing

Systems. Participant in invitation-only conference. Calgary, Canada.

65. Adams, S. (1989, August). Learning about velocity using knowledge about numbers. Presented at the Institute for Research on Learning (IRL), Palo Alto, California.
66. Adams, S. (1989, April). Developing databases and knowledge spaces with Boxer: An illustration based on dinosaur knowledge. Paper presented at the annual conference of the American Educational Research Association, San Francisco. Paper available as Boxer Technical Report G-4, Graduate School of Education, U. C. Berkeley.
67. Adams, S. (1987, March). Reply to Dr. Paul Churchland's "Cognitive processes in neurocomputers." Presented at the Symposium on Artificial Intelligence, Philosophy Students' Association, California State University, Long Beach.
68. Adams, S. (1987, March). Reply to Dr. Moshe Rubinstein's "Human problem solving in the age of computers using expert systems and artificial intelligence." Presented at the Distinguished Scholar Lecture Series on Artificial Intelligence, Robotics, and Human Reasoning, School of Engineering, California State University, Long Beach.
69. Adams, S. (1987, March). A practical view of expert systems. Symposium on Artificial Intelligence, Philosophy Students' Association, California State University, Long Beach.

### **Advising Doctoral Dissertations (CSU Long Beach)**

Rojas, F. (2018). Analysis of 21st century skills in a graduate program for educators concerning linked learning (Order No. 10931257). Available from Dissertations & Theses @ California State University, Long Beach; ProQuest Dissertations & Theses A&I; ProQuest Dissertations & Theses Global: The Humanities and Social Sciences Collection. (2128050958). Other committee members were Charles Slater (chair) and Betina Hsieh.

Bernal, E. V. (2016). A case study of a program for university STEM faculty to redesign courses using technology (Order No. 10124791). Available from Dissertations & Theses @ California State University, Long Beach; ProQuest Dissertations & Theses A&I; ProQuest Dissertations & Theses Global: The Humanities and Social Sciences Collection. Other committee members were Lesley Farmer (chair) and Gerry Hanley.

### **Advising Master's Theses and Projects (CSU Long Beach)**

Chair for M.A. project for Andrew Fitzgerald (2015), "Supporting Teachers' Integration of Technology with e-Learning." Other committee members were Lesley Farmer and Vanitha Chandrasekhar.

Chair for M.A. project of Adam Kelley (2011), "Designing an e-Book for a Fifth-grade Classroom." Other committee members were Ali Rezaei and Audrey Jeans.

Chair for M.A. project of Andrew Lunt (2005). “Interactivity, Engagement and Learning: A Comparison of the Educational Effectiveness of Two Instructional Programs with Varying Levels of Interactivity.” Other committee members were Teresa Chen and Dorte Christjansen.

Thesis Director for M.A project for Barry Bieda (2000). “Web-based Lesson Plans and Resources about Feudal and Modern Japan.” Other committee members were Lesley Farmer (chair), Thomas Strybel, and Michael Mahoney.

## **Service to CSU Long Beach and the CSU System**

### **CSU Committees**

Representative of CSU Long Beach to the CSU Digital Ambassadors Committee, Fall, 2012 – Spring, 2017. The group addressed strategies for teacher preparation in educational technology and STEM.

California State University Association for State Technology Using Teacher Educators (ASTUTE), 1998 – 2005.

### **CSULB University Committees**

Faculty Advisory Committee on Technology, Fall, 2014 - Spring, 2016; Fall 2021 – present.

Academic Appeals Committee, 2008 - 2013. Chair, 2010 - Spring, 2013.

International Education Committee. Fall, 2011 – Spring, 2012; Fall 2021 – present.

### **CSULB College of Education (CED) Committees**

CED Graduate Committee, 2003 – 2006, 2007 – 2008, 2012 – present.

CED Thesis and Project Guidelines Revision Committee, Fall, 2018 – Spring, 2019.

Faculty Council RTP Policy Committee, Fall, 2016 – Spring, 2018.

CED Retention, Tenure and Promotion Committee, Fall, 2014 - 2018. Chair, Fall 2015 – Spring, 2018.

CED Professional Review Committee, Fall, 2007 – Spring, 2009. Chair, Fall, 2008 – Spring, 2009.

CED Curriculum Committee, Fall, 2014.

Faculty Council, Fall, 2002 – Fall, 2006. Chair, Fall, 2004 - Fall, 2006.

Budget Subcommittee of Faculty Council, Fall, 2002 – Spring, 2006.

**CSULB Departmental Committees: Advanced Studies in Education & Counseling (ASEC)**

2002 – 2004; Spring, 2008 – Spring, 2013; Fall, 2016 – Spring, 2018. Department Chair  
Advisory Committee, 2016 – 2018; 2008 - 2013; 2002 – 2004.

Professional Review Committee, Fall, 2013 – Spring, 2015; Fall 2018 – Spring, 2019.

Curriculum Committee, Spring, 2010 – Fall, 2011.

Educational Technology Tenure-Track Search Committee, Chair, 2002 – 03, 2004 – 05.

**Service to the Profession and Community**

Member of the Cerritos College Technology Advisory Committee, Spring, 2016 – 2018.

Chair of the session, “Interorganizational Partnerships” at the June, 2017 Convening of the Collaborative for the Advancement of Linked Learning, Long Beach, CA.

Co-chair of International Special Interest Group, Society for Information Technology and Teacher Education (SITE). Reviewed proposals for presentations related to international education, and evaluations of peer reviewers, to make decisions on accepting proposals for presentation at annual meetings of the SITE conference. 2016 – present.

Member of the Board Representing North America to the International Association for Science and Technology Education (IOSTE), 2018 - 2020.

Reviewer for the XVII International Organization for Science Technology and Education Symposium, Braga, Portugal, 2016.

Chair for session, “Linked Learning Recommendations for Student Outcome and Implementation Analyses: Evaluation and Large Scale Research (Dr. Ann Hafner, Professor, CSU Los Angeles. Collaborative for the Advancement of Linked Learning Research Symposium, Long Beach, CA, December, 2016.