

## **Linda H.L. Furuto**

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### **EDUCATION**

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**University of California, Los Angeles**, Los Angeles, CA

Ph.D. Mathematics Education, June 2007

**University of Tokyo**, Tokyo, Japan

Visiting Scholar of Mathematics, March 2006

**Harvard University**, Cambridge, MA

Ed.M. Mathematics Education, June 2003

**Montana State University**, Bozeman, MT

M.S. Mathematics, August 2009

**Brigham Young University**, Provo, UT

B.A. Mathematics Education, Minor in Music Organ Performance, December 2000

Graduated with University Honors

**Punahou Academy School**, Honolulu, HI

Graduated with Honors, Recipient of Punahou Presidential Award

### **RESEARCH INTERESTS**

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Mathematics achievement, quantitative research methodology, ethnomathematics, STEM education, and educational access and equity.

### **PROFESSIONAL EXPERIENCE**

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**University of Hawai'i at Mānoa**, Honolulu, HI

*Associate Professor of Mathematics Education (Tenured)*, August 2013–Present

- Perform duties within the Department of Curriculum Studies, Institute for Teacher Education, and the Curriculum Research & Development Group. Specifically, teach in the Master of Education in Curriculum Studies program, advise and mentor graduate students, contribute to the undergraduate teacher education programs in the Institute for Teacher Education through teaching undergraduate courses in mathematics education, and assist in field supervision of undergraduate teacher education candidates.
- Collaborate on mathematics and STEM projects at the state, national, and international levels with the University of Hawai'i System, Hawai'i State Department of Education, Hawai'i P–20 Partnerships for Education, Hawai'i Council of Teachers of Mathematics, Mathematical Association of America, and Pacific Resources for Education and Learning, among others.
- Lead local and global P–20 STEM educational efforts as apprentice navigator and education specialist on the Hōkūle'a canoe's 2013–2017 Mālama Honua Worldwide Voyage. Selected to sail on the first international leg from Hawai'i to Tahiti, and subsequent voyages including

American Samoa, Western Samoa, Olohega/Swain's Island, Aotearoa/New Zealand, South Africa, Washington, D.C., and New York City.

- Participate in accreditation review activities, ongoing improvement of programs, and provide service to the Department of Curriculum Studies, College of Education, University of Hawai'i at Mānoa, and broader communities.

**University of Hawai'i – West O'ahu, Kapolei, HI**

*Associate Professor of Mathematics (Tenured)*, August 2012–July 2013

*Assistant Professor of Mathematics*, August 2007–July 2012

*Director of Mathematics Program*, August 2007–July 2013

*Head of Mathematics/Science*, August 2010–July 2013

- As the first and sole full-time mathematics faculty member, helped increase enrollment in mathematics courses over 1400%, as the general UHWO student body population grew from 940 students in 2007 to 2,361 students in 2013.
- As UHWO Mathematics Program Director, performed the following responsibilities: (1) administered and coordinated activities of the mathematics program, (2) planned, secured, and disbursed resources to support the mathematics program, (3) identified and assessed student mathematics needs including remediation and general education, and (4) developed and implemented policies and procedures such as institutional learning outcomes, quantitative standards, mathematics course placement, and admissions requirements.
- As Mathematics/Science Head, conducted the following: (1) monitored program and curricular changes, (2) hired and assisted in the orientation of new part-time and full-time faculty, (3) created and monitored the mathematics/science budget, (4) coordinated the schedule of courses for mathematics/science, (5) served in an administrative capacity on committees representing mathematics/science, and (6) prepared program reviews, assessment, accreditation, and long-range planning initiatives affecting mathematics/science.

**National Oceanic and Atmospheric Administration (NOAA), Washington, D.C.**

*Teacher at Sea Researcher*, May–December 2013

- Selected from over 250 applications to conduct research on vessels at sea to support the NOAA mission to understand and predict changes in the Earth's environment and conserve and manage coastal and marine resources through mathematics and quantitative methodology.

**Asia Pacific Leadership Program, East-West Center, Honolulu, HI**

*Research Fellow*, August 2006–May 2007

- Recruited to participate in the signature program of the East-West Center with 44 leaders from 22 countries in the Asia-Pacific region to link advanced and interdisciplinary analysis of emergent regional issues with leadership and policy evaluation.

**UCLA Graduate School of Education and Information Studies, Los Angeles, CA**

*Graduate Teaching Assistant*, March–August 2006

- Assisted with teaching, organizing, and assessing graduate courses in quantitative research methodology, Asia-Pacific education, and policy analysis. Taught mathematics at secondary schools in the Los Angeles Unified School District and assisted resource teachers.

**University of Tokyo, Tokyo, Japan**

*Visiting Scholar of Mathematics*, August 2005–March 2006

- Analyzed and evaluated Japan and U.S. educational policy in the fields of mathematics education, abstract algebra, quantitative surveying, and cross-national comparisons. Taught mathematics at the middle and secondary levels at public and private institutions in the Tokyo area.

**UCLA Center for International and Development Education, Los Angeles, CA**

*Research Fellow*, September 2004–June 2007

- Conducted research at an action center whose mission is to provide quality information on a variety of issues related to international and development education through a series of publications, research initiatives, and networks with development and academic institutions.

**UCLA Education Abroad Program, Los Angeles, CA**

*International Programs Coordinator*, September 2003–June 2005

- Advised students, as well as maintained individual country affairs as counselor of Australia, Hong Kong, Korea, New Zealand, United Kingdom, and South Africa programs in one of the largest education abroad programs in the nation.

**U.S. Department of State, Washington, D.C.**

*Bureau of Educational and Cultural Affairs Research Fellow*, June–September 2004

- Managed professional, cultural, and youth mathematics programs. Prepared grants to strengthen public-private partnerships with universities, professional groups, and non-governmental organizations.

**Pacific Resources for Education and Learning (PREL), Honolulu, HI**

*Pathways to College Network Research Associate*, June–September 2003

- Implemented research to increase postsecondary preparation and access to college for all students with a focus on mathematics. Collaborators included educators, professionals, government legislators, and policymakers.

**Harvard University, Brandywine Village, East Boston, MA**

*Project “IF” (Inventing the Future) Research-Practitioner*, July 2002–June 2003

- Led mathematics and STEM education efforts at Project IF, a partnership dedicated to understanding how support systems can help youth from low-income backgrounds invent their futures through policy-based initiatives such as educational mentoring and applied development. Taught mathematics at the middle level in the Boston Public Schools.

**Church of Jesus Christ of Latter-day Saints, Nagoya and Osaka, Japan**

*Full-time Volunteer Missionary*, January 2001–July 2002

- Served a volunteer mission in Nagoya and Osaka, Japan, for a total of 19 months. Provided service at various orphanages, mental institutions, hospitals, and elderly homes.

**L.D.S. Technical College, Suva, Tamavua, Fiji**

*Mathematics and Music Teacher*, January–December 2000

- Taught mathematics and music classes to forms 1–7 (form 1 = U.S. 7<sup>th</sup> grade, form 2 = U.S. 8<sup>th</sup> grade, etc.), and volunteered for extra responsibilities such as coaching the first school track team, initiating extra mathematics help sessions, organizing a Polynesian performance group, and assisting the band director with the music program.

### **AWARDS AND HONORS**

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- University of Hawai‘i Board of Regents Medal for Excellence in Teaching (2012).
- University of Hawai‘i Frances Davis Award for Excellence in Teaching (2011).
- Pacific Business News Top Forty Under 40 Award (2010).
- University of Hawai‘i President’s Emerging Leaders Program (2008–2009).
- East-West Center Nainoa Thompson Scholarship (2006–2007).
- UCLA Chancellor’s Dissertation Fellowship (2006–2007).
- National Security Education Program (NSEP) Boren Graduate Fellowship (2005–2006).
- UCLA Center for Japanese Studies Sasakawa Fund (2005–2006).
- UCLA Asia Institute Wagatsuma Memorial Fellowship (2004–2005).
- UCLA Gold Shield Alumni Scholarship (2004–2005).
- U.S. Department of State Bureau of Educational and Cultural Affairs Scholarship (2004).
- Harvard University Presidential Alumnae Fellowship (2003–2004).
- David M. Kennedy International Study Scholarship (1999–2000).
- Brigham Young University Office of Research and Creative Affairs Fellowship (1999–2000).
- Brigham Young University Music Department Leadership Scholarship (1998–1999).
- Brigham Young University Gordon B. Hinckley Presidential Scholarship (1997–2000).
- American Guild of Organists Scholarship (1997–1998).

### **RESEARCH AND FUNDED GRANTS**

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- Furuto, L. (2013–2016). *Ethnomathematics and STEM institute*. U.S. Department of Education Elementary and Secondary Act Title II Improving Teacher Quality Higher Education. Amount: \$301,932.
- Zilliox, J., & Furuto, L. (2015–2016). *Ethnomathematics curriculum project*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$2,500.
- Furuto, L. (2014–2015). *Ethnomathematics curriculum project*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$2,500.
- Furuto, L. (2013–2014). *Ethnomathematics and STEM institute*. Hawai‘i P–20 Partnerships for Education Alignment. Amount: \$10,000.
- Furuto, L. (2013–2014). *Ethnomathematics curriculum project*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$3,960.
- Furuto, L. (2012–2013). *Cultural mathematics and classroom mathematics*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$2,000.
- Furuto, L. (2010–2013). *Calculus summer institute*. Hawai‘i Pacific Islands Campus Compact EcosySTEM. Amount: \$35,000.
- Thompson, N., Murphy, K., Furuto, L., & Ishii, J. (2010–2013). *Polynesian voyaging society educational programs*. U.S. Department of Education. Amount: \$104,294.

- Furuto, L. (2010–2011). *Teaching innovations: ACT COMPASS mathematics workshops*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$2,000.
- Furuto, L. (2010–2011). *Koho ‘ia native Hawaiian mathematics project consultant*. U.S. Department of Education, U.S. Department of Housing and Urban Development, and Native Hawaiian Career and Technical Education Program. Amount: \$1,000.
- Furuto, L. (2009–2013). *UHWO mathematics center* (now part of the no‘eau center for writing, mathematics, and academic success). National Science Foundation Louis Stokes Alliance for Minority Participation (LSAMP). Amount: \$110,500.
- Furuto, L. (2009–2010). *Teaching innovations: Experiential learning sites and mathematics partnerships*. University of Hawai‘i Office of Student Equity Excellence and Diversity. Amount: \$2,040.
- Furuto, L. (2009–2010). *Celestial navigation and abstract algebra*. University of Hawai‘i Research Council Research Relations Fund. Amount: \$4,336.
- Furuto, L. (2007–2008). *Bridging policy and practice with ethnomathematics*. University of Hawai‘i Research Council Research Relations Fund. Amount: \$4,200.
- Furuto, L. (2007–2008). *International forum for education 2020 consultant*. East-West Center. Amount: \$2,500.
- Furuto, L. (2016, 2015, 2014). University of Hawai‘i at Mānoa College of Education Travel Grants. Amount: \$3,400.
- Furuto, L. (2016, 2015, 2013). University of Hawai‘i University Research Council Travel Grants. Amount: \$4,000.
- Furuto, L. (2013, 2012, 2011, 2010, 2009). UHWO Center for Teaching and Learning Excellence and Research Travel Grants. Amount: \$6,900.
- Furuto, L. (2010, 2009). UHWO Research Travel Grants. Amount: \$3,000.
- Furuto, L. (2008). World Council of Comparative Education Societies Travel Grant. Amount: \$2,500.

## **PUBLICATIONS**

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### ***Refereed Journal Publications***

- Furuto, L. (Accepted, 2016). Lessons learned: Strengths-based approaches to mathematics education in the Pacific. *Journal of Mathematics and Culture*.
- Furuto, L., & O’Neill, T. (Accepted, 2016). Navigating normative space for the authentic integration of culture and values-based education in STEM and beyond. *Journal of Cultural Studies of Science Education*.
- Furuto, L. (Accepted, 2016). Mathematics education on a worldwide voyage: Engaging values and place-based curriculum to support college, career, and community readiness. *Journal of Cultural Studies of Science Education*.
- Furuto, L. (2015). A study of equity in mathematics education: Lessons from Japan for U.S. teacher preparation. *International Journal for Teaching and Learning Mathematics*, Centre for Innovation in Mathematics Teaching Pub.
- Furuto, L. (2014). Pacific ethnomathematics: Pedagogy and practices in mathematics education *Teaching Mathematics and its Applications: International Journal of the IMA*, Oxford University Press. DOI: 10.1093/teamat/hru009

- Furuto, L. (2013). Bridging policy and practice with ethnomathematics. *Journal of Mathematics and Culture*, 7(1), 31–57.
- Furuto, L. (2010). Public good or private commodity? Mathematics education in Japan and the U.S. *Journal of Mathematics and Culture*, 5(2), 34–64.
- Rust, V., Dhanatya, C., Furuto, L., & Kheiltash, O. (2008). Student involvement as predictive of college freshmen plans. *Frontiers Journal*, XV, 1–16.
- Hawkins, J., & Furuto, L. (2008). Higher education reform in Japan: Tension between public good and commodification. *Journal of Asian Public Policy*, 1(2), 164–173, Routledge Press.
- Furuto, L. (2003). Defining americanism. *Harvard University ALANA*, 2(1), 16–24.

### **Books**

- Furuto, L. (2013). *Ethnomathematics curriculum textbook: Symbolic reasoning and quantitative literacy*. Honolulu, HI: University of Hawai‘i SEED Office and the National Science Foundation.
- Furuto, L. (2012). *Ethnomathematics curriculum textbook: Precalculus, trigonometry, and analytic geometry*. Honolulu, HI: University of Hawai‘i SEED Office and the National Science Foundation.
- Furuto, L. (2010). *Ethnomathematics curriculum textbook: Algebra, geometry, and number foundations*. Honolulu, HI: University of Hawai‘i SEED Office and the National Science Foundation.

### **Book Chapters**

- Furuto, L. (2009). Mathematics achievement and global factors of diversity. In G. Wiggan & C. Hutchison (Eds.), *Global Issues in Education: Pedagogy, Policy, School Practices and the Minority Experience*, 275–295. Lanham, MD: Rowman and Littlefield Publishers, Inc.

### **Other Publications**

- National Governors Association Center for Best Practices and the Council of Chief State School Officers. (2011). *Mathematics common core state standards and revisions*. Represented and authored policy in conjunction with the State of Hawai‘i Delegation. Washington, D.C.: National Governors Association Center and the Council of Chief State School Officers.
- Barlow, T., & Furuto, L. (2006). *College readiness for all*. Boston, MA: Pathways to College Network and Clearinghouse.
- Furuto, L., & Rust, V. (2004). Benefits of mathematics education for girls and women. In S. Cohen (Ed.), *Education, Social Sciences, Comparative and International Education: A Reader*. Los Angeles, CA: UCLA Graduate School of Education and Information Sciences.

### **Non-Refereed Publications**

- Furuto, L., & Venenciano, L. (2015). Learning from the pursuit of an international mathematics conference. *Meet Hawai‘i ‘Elele Newsletter, Spring 2015(2)*, 2.
- Furuto, L. (2009). NCTM policies and postsecondary education. *Hawaii Council of Teachers of Mathematics Newsletter, September 2009*, 2–3.
- Furuto, L. (2009). Ethnomathematics and abstract algebra in the classroom. *Hawaii Council of Teachers of Mathematics Newsletter, February 2009*, 3.

## **PROFESSIONAL PRESENTATIONS**

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### ***Refereed National and International Conference Presentations***

- Furuto, L., Galicinao, P., & Tam, K. (2017, February 10). *Empowering mathematics teachers and creating equitable learning environments through professional development in ethnomathematics*. Paper to be presented at the Annual Conference of the Association of Mathematics Teacher Educators, Orlando, Florida.
- Kuwahara, J., Chinn, P., & Furuto, L. (2016, September 2). *I ka wā ma mua, ka wā ma hope: A Hawaiian science model*. Paper presented at the International Union for Conservation of Nature World Conservation Congress, Honolulu, Hawai‘i.
- Furuto, L., Zilliox, J., & Uribe, E. (2016, April 13). *Teacher professional development through ethnomathematics*. Paper presented at the National Council of Teachers of Mathematics Conference, San Francisco, California.
- Furuto, L., & Zilliox, J. (2015, April 18). *Equity in ethnomathematics: Connecting research, pedagogy, and promising practices*. Paper presented at the National Council of Teachers of Mathematics Conference, Boston, Massachusetts.
- Furuto, L., Conrad, C., & Sawai, P. (2015, February 28). *Ethnomathematics and STEM institute: Lessons learned*. Paper presented at the Hawai‘i Council of Teachers of Mathematics Conference, Honolulu, Hawai‘i.
- Furuto, L. (2014, April 10). *Tessellations through mathematical voyaging*. Paper presented at the National Council of Teachers of Mathematics Conference, New Orleans, Louisiana.
- Furuto, L. (2014, January 6). *Culturally responsive mathematics education practices and pedagogies*. Paper presented at the Hawai‘i International Conference on Education, Honolulu, Hawai‘i.
- Philippoff, J., Vallin, L., & Furuto, L. (2013, October 13). *Effects of a summer ethnomathematics institute for undergraduates in Hawai‘i*. Paper presented at the American Evaluation Association Annual Meeting, Washington, D.C.
- Furuto, L. (2013, April 17). *Abstract algebra and numeration systems*. Paper presented at the National Council of Teachers of Mathematics Conference, Denver, Colorado.
- Furuto, L. (2013, January 9). *Center of effort, lateral resistance, and navigational mathematics*. Paper presented at the Joint Mathematics Meetings of the Mathematics Association of America and American Mathematical Society, San Diego, California.
- Furuto, L. (2012, April 26). *Ethnomathematics policy research and evaluation*. Paper presented at the National Council of Teachers of Mathematics Conference, Philadelphia, Pennsylvania.
- Furuto, L. (2012, January 6). *Systemic mathematical patterns through net variations*. Paper presented at the Joint Mathematics Meetings of the Mathematics Association of America and American Mathematical Society, Boston, Massachusetts.
- Furuto, L. (2011, April 24). *Celestial navigation and abstract algebra*. Paper presented at the National Council of Teachers of Mathematics Annual Conference and Exhibition, Indianapolis, Indiana.
- Furuto, L. (2011, January 9). *Tessellations, nets, and systemic mathematical patterns*. Paper presented at the Joint Mathematics Meetings of the Mathematics Association of America and American Mathematical Society, New Orleans, Louisiana.
- Furuto, L. (2010, April 21). *Ethnomathematics research and quantitative methodology*. Paper presented at the National Council of Teachers of Mathematics Annual Conference and Exhibition, San Diego, California.

- Furuto, L. (2010, January 13). *Mathematical voyaging through abstract algebra in the Pacific*. Paper presented at the Joint Mathematics Meetings of the Mathematics Association of America and American Mathematical Society, San Francisco, California.
- Furuto, L. (2009, April 23). *Ethnomathematics and abstract algebra*. Paper presented at the National Council of Teachers of Mathematics Annual Conference and Exhibition, Washington, D.C.
- Furuto, L. (2009, March 25). *Mathematics and base numerology*. Paper presented at the Comparative and International Education Society National Conference, Charleston, South Carolina.
- Furuto, L. (2008, November 25). *Mathematical systems and indigenous knowledge*. Paper presented at the World Council of Comparative Education Societies International Conference, Perth, Australia
- Furuto, L. (2008, March 20). *Bridging policy and practice through ethnomathematics*. Paper presented at the Comparative and International Education Society National Conference, New York City, New York.
- Furuto, L. (2007, July 6). *Hōkūle‘a educational program in Micronesia and Japan*. Paper presented at the Pacific Resources for Education and Learning International Conference, Honolulu, Hawai‘i.
- Furuto, L. (2007, February 27). *Ethnomathematics and Hōkūle‘a celestial navigation properties*. Paper presented at the Comparative and International Education Society National Conference, Baltimore, Maryland.
- Furuto, L. (2007, January 8). *Educational and cultural values in mathematics*. Session chair at the Hawai‘i International Conference on Education, Honolulu, Hawai‘i.
- Furuto, L. (2006, September 26). *Mathematics and research methodology*. Paper presented at the National Security Education Program Fellows Symposium, Washington, D.C.
- Furuto, L. (2006, March 15). *Mathematics achievement and factors of diversity in Japan*. Paper presented at the Comparative and International Education Society National Conference, Honolulu, Hawai‘i.
- Furuto, L. (2006, January 12). *Japan and U.S. mathematics education: A cross-national analysis*. Paper presented at the International Education Forum, Tokyo, Japan.
- Kariya, T., & Furuto, L. (2005, December 12). *Tradition and transition: Cultural identity and Japanese mathematics education in the 21<sup>st</sup> century*. Paper presented at the Educational Research Association Conference, Tokyo, Japan.
- Furuto, L. (2004, February 27). *The role of research-practitioners in transforming research through Freire*. Paper presented at the California Freirian Educators Conference, Los Angeles, California.
- Furuto, L. (2003, February 28). *Cultural mathematics and classroom mathematics*. Paper presented at the Harvard Graduate Student Research Conference/International Forum, Cambridge, Massachusetts.

***Invited National and International Conference Presentations***

- Furuto, L. (2017, January 8). *Wayfinding educational visions through ethnomathematics and STEM*. Keynote address to be presented at the International Academic Forum on Education, Honolulu, Hawai‘i.

- Furuto, L. (2016, July 30). *Pacific ethnomathematics: Navigating ancient wisdom and modern connections*. Invited lecture to be presented at the 13th International Congress on Mathematical Education, Hamburg, Germany.
- Baybayan, K., Ha'ō, C., Furuto, L., & Murphy, K. (2016, May 29). *Nā wahine o ke kai (women of the sea)*. Plenary panel presented at the Smithsonian Institution Pacific Festival, Washington, D.C.
- Furuto, L. (2015, July 12). *Mālama honua worldwide voyage through the lens of tertiary education*. Keynote address presented at the Community Colleges for International Development (CCID) Asia-Pacific Forum, Honolulu, Hawai'i.
- Furuto, L. (2014, September 26). *STEM education on a worldwide voyage: Curriculum to college and career readiness*. Keynote address presented at the University of Hawai'i at Mānoa College of Education in American Samoa Education Conference, Pago Pago, American Samoa.
- Furuto, L. (2013, November 26). *Abstract algebra in classroom and community partnerships*. Keynote address presented at the University of Guam Culture & Learning National Conference, Mangilao, Guam.
- Bigalke, T., Mok, K., Lee, M., & Furuto, L. (2006, December 10). *Education as a public good vs. private commodity*. Plenary panel presented at the East-West Center International Conference, Hanoi, Vietnam.

#### ***Refereed Local Conference Presentations***

- Furuto, L., Conrad, C., & Sawai, P. (2015, February 28). *Ethnomathematics and STEM institute: Lessons learned*. Paper presented at the Hawai'i Council of Teachers of Mathematics Conference, Honolulu, Hawai'i.

#### ***Invited Local Conference Presentations***

- Furuto, L. (2017, March 3). *Strategic connections in P-20 ethnomathematics education*. Keynote address to be presented at the University of Hawai'i Community Colleges Hawai'i Strategy Institute, Honolulu, Hawai'i.
- Furuto, L. (2016, March 5). *Ancient wisdom and modern connections through research and praxis in STEM*. Keynote address presented at the Presidential Awards for Excellence in Mathematics and Science Teaching Annual Meeting, Honolulu, Hawai'i.
- Furuto, L. (2013, November 19). *College, career, and community readiness*. Invited address presented at the Hawai'i P-20 Partnerships for Education Common Core State Standards Symposium, Honolulu, Hawai'i.
- Furuto, L. (2013, February 2). *Bridging policy and practice with ethnomathematics*. Keynote address presented at the Sacred Hearts Math Power for Girls Conference, Honolulu, Hawai'i.
- Furuto, L. (2011, February 18). *The state of mathematics in Hawai'i: Transitions from high school to college*. Paper presented at the Hawai'i Council of Teachers of Mathematics Annual Conference, Honolulu, Hawai'i.
- Furuto, L. (2008, February 23). *University of Hawai'i – West O'ahu mathematics center innovations*. Paper presented at the Hawai'i Council of Teachers of Mathematics Annual Conference, Honolulu, Hawai'i.

## **AFFILIATIONS**

- Mathematical Association of America (MAA), Comparative International Education Society (CIES), National Council of Teachers of Mathematics (NCTM), Hawai‘i Council of Teachers of Mathematics (HCTM), Association of Mathematics Teacher Educators (AMTE), Phi Delta Kappa International Harvard Chapter, Golden Key International Honour Society, Phi Kappa Phi National Honor Society.

## **ACTIVITIES/SKILLS**

### **Hawai‘i Council of Teachers of Mathematics**, Executive Board

*Four-Year College Director*, May 2008–Present

*Treasurer*, May 2007–May 2008

- Provide vision, leadership, and professional development to support teachers in ensuring equitable mathematics learning of the highest quality for all students in the State of Hawai‘i.

### **East-West Center Association**, Hawai‘i Chapter

*Representative*, September 2006–May 2016

- Represented interests of approximately 500 East-West Center participants, from 100 countries around the world. Coordinated professional, academic, and social activities between students and community organizations.

### **Mathematical Association of America**, Committee Board

*Liaison*, August 2010–July 2013

- Liaised between the University of Hawai‘i – West O‘ahu (UHWO) and the Mathematical Association of America (MAA), the largest professional society focusing on mathematics accessible at the undergraduate level. MAA is a leading provider of expository mathematics, professional development programs, institutional and public policy, and educational resources for teaching and learning.

### **Comparative International Education Society**, National Board of Directors

*Director*, March 2006–March 2009

- Fostered cross-cultural understanding, scholarship, academic achievement and societal development through the international study of educational ideas, systems, and practices.

### **Hawai‘i Teachers Standard Board Certification**

- Certified by the Hawai‘i Teachers Standard Board to teach secondary mathematics grades 7–12 (2000–Present).
- **Service Work/Volunteer Organizations:** Service to the university and community includes, but is not limited to, the following: University of Hawai‘i and Hawai‘i P–20 Partnerships for Education Mathematics Common Core Workgroup (2011–Present), University of Hawai‘i Systemwide Symbolic Reasoning Workgroup (2007–2013), University of Hawai‘i at Mānoa Quantitative Reasoning Workgroup (2014–2015), University of Hawai‘i at Mānoa College of Education Senator (2014–Present), University of Hawai‘i Faculty Ambassadors Volunteer (2007–2010), UHWO Aloha United Way Campaign Coordinator (2008–2010), UHWO Student Government Faculty Co-Advisor (2012–2013), UHWO First-Year Experience Program Faculty Advisor (2012–2013), UHWO Golden Key International Honour Society Faculty Co-Advisor (2011–2012), and U.S. Federal Detention Center Volunteer Mathematics Tutor (2010–2012).
- **Skills:** Knowledge of Microsoft Office (MS Word, MS Excel, MS Power Point, MS Publisher), SPSS and STATA statistical packages, and Japanese language.

- **Extensive Traveling:** Research, professional development, and teaching responsibilities travels include the following: Asia (Vietnam, China, Japan, Cambodia, Hong Kong, South Korea, Taiwan, Philippines); Europe (England, Scotland, Germany, France, Belgium, Netherlands, Italy, Switzerland, Austria, Spain); Middle East (Turkey, Israel, Greece); Pacific (Aotearoa/New Zealand, American and Western Samoa, Australia, Commonwealth of the Northern Mariana Islands, Fiji, Guam, Olohega/Swain's Island, Taveuni); Africa (Egypt, South Africa); Canada; Mexico; and 50 United States.