Brandon Muramatsu

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EDUCATION

1995	M.S.	University of California, Berkeley, Mechanical Engineering
		Graduate Advisor: Professor Pamela Eibeck
1995	Management of Technology Certif.	University of California, Berkeley, Certificate from the College of Engineering and Haas School of Business
1993	B.S.	University of California, Berkeley, Mechanical Engineering

SELECTED PROFESSIONAL HISTORY

2009-present	Sr. IT Consultant, Office of Educational Innovation and Technology, Massachusetts Institute of Technology. Project manage SpokenMedia (spokenmedia.mit.edu) and Project Greenfield (greenfield.mit.edu). Consult on content and curriculum integration and innovation. Strategic projects management and development.
2010-present	Consultant, Broad-based Knowledge. Strategy, reflection editing, and developed and maintained NSDL Reflections project website at nsdlreflections.wordpress.com.
2004-present	Consultant, Virginia Tech. Workshop facilitation, report writing and develop and maintain NSDL-CCLI Dissemination project website at http://www.e-innovations.org/nsdl-ccli-dissemination for "Towards Improving Dissemination and Building Community for Course, Curriculum and Laboratory Innovations using the NSDL" NSF grant. Project management and CD-ROM production for Premier Award for Excellence in Engineering Education Courseware.
2005-2008	Associate Director, Center for Open and Sustainable Learning, Utah State University. Manage Center's projects and operations. Manage interoperability-related Center projects. General Chair for the Open Education Conference 2005-2007.
2004-2005	Project Director, OSLO Group, Dept. of Instructional Technology, Utah State University. Manage Group's projects and operations.
2003-2006	Consultant, Eduworks Corporation. Provide strategic consulting on the design and development of the Personal Digital Library project. Develop and maintain the Reusable Learning Project's website, and serve as a presenter at project workshops.
2002-2004	Director of Alliances, MERLOT. Responsible for developing partnerships and alliances with professional societies, other educational organizations and educational digital libraries.
1998-2004	Project Director, SMETE.ORG University of California, Berkeley. Manage SMETE.ORG: responsible for expanding the SMETE.ORG Alliance and working with partners to develop specifications, protocols and standards for the tightly integrated services offered through the SMETE.ORG portal at www.smete.org.
1998-2004 & 1995-1998	Project Director, NEEDS, University of California, Berkeley. NEEDS Project Manager, University of California, Berkeley. Manage NEEDS—A Digital Library for Engineering Education: responsible for developing and expanding NEEDS at www.needs.org; locating exceptional courseware; and ensuring quality content through the *Premier Award for Excellence in Engineering Education Courseware*.
1995-2004	Director, Berkeley Instructional Technology Studio, University of California, Berkeley. Manage the Berkeley Instructional Technology Studio: provide consulting assistance to faculty, students and staff developing technology to enhance learning.
1994-1998	Co-instructor, Mechanical Engineering 39C—Multimedia Case Studies of Engineering Design on the World Wide Web, University of California, Berkeley, Department of Mechanical Engineering

PUBLICATIONS RELATED TO THE PROPOSAL

1. McMartin, F. & Muramatsu, B. (2007) Use vs. access: design and use in educational digital libraries. 2007 Joint Conference on Digital Libraries, Vancouver, BC, Canada.
2. Teng, X., Tront, J. G., & Muramatsu, B. (2005). Best practices in the design, development and use of courseware in engineering education. *Proceedings of the 2005 Frontiers in Education Conference*. Indianapolis, IN.

3. Muramatsu, B. & McMartin, F. (2001). Selecting and Adapting Learning Technologies to Improve Engineering Education. *Proceedings of the 2001 International Conference on Engineering Education*, Oslo, Norway, August 10-14, 2001.
4. Muramatsu, B. & Agogino. A. M. (1998). NEEDS—The National Engineering Education Delivery System: A Digital Library for Engineering Education. *D-Lib Magazine*, Vol. 5 (4), April 1998. URL: http://www.dlib.org/dllib/april99/muramatsu/04muramatsu.html.
5. Muramatsu, B. & Agogino, A. M. (1998). The National Engineering Education Delivery System (NEEDS): A Multimedia Digital Library of Courseware. *International Journal of Engineering Education*, Vol. 13 (5), 1998.

OTHER RELATED PUBLICATIONS

1. Duffin, J. & Muramatsu, B. (2008). OER Recommender: Linking NSDL Pathways and OpenCourseWare Repositories. 2008 Joint Conference on Digital Libraries, Pittsburgh, PA.
2. Muramatsu, B., Ball, J., Duffin, J., Wiley, D., Gray, J., Godwin, A., Reedstrom, R., Cooper, C. & Whipkey, C. (June, 2007). Open Educational Resources Interoperability Sprint Outcomes: Linking OER Providers. Paper presented at OpeniWorld: Europe 2008, Lyon, France.
3. Duffin, J., Muramatsu, B. & Henson Johnson, S. L. (2007). OER Recommender: A recommendation system for open educational resources and the National Science Digital Library. White paper funded by the Andrew W. Mellon Foundation for the Folksemantic.org project. (Updated March 7, 2008).
4. Giersch, S., E. Klotz, F. McMartin, B. Muramatsu, K. A. Renninger, W. Shumar, S.A. Weimar. (2004). NSF/NSDL Workshop: Participant Interaction in Digital Libraries. Workshop Report, Philadelphia, PA, March 2004.
5. Hanley, G., McMartin, F., & Muramatsu, B. (2003). MERLOT: Multimedia Educational Resource for Learning and Online Teaching. Ed-Media 2003: World Conference on Educational Multimedia, Hypermedia and Telecommunications, Honolulu, HI.

SYNERGISTIC PROFESSIONAL ACTIVITIES

Professional Societies

American Society of Mechanical Engineers (since 1989), Lifetime Associate Member: San Francisco Professional Section: Chair 1997-1999, Treasurer 1999-2005 & 1996-1997, College Relations Chair 2001-2002 & 1993-2000, Honors & Awards Chair 2000-2005, and Webmaster 1998-2005. Institute for Electronics and Electrical Engineers (IEEE) (since 1999), Learning Technology Standards Committee: Treasurer (2004-2008). Member: American Society for Engineering Education (1993-2008), Pi Tau Sigma (since 1992) and the Engineering Alumni Society, University of California, Berkeley (since 1993).

Standards Activities

Institute for Electronics and Electrical Engineers: Learning Technology Standards Committee, Learning Object Metadata (2000-present), Learning Object Metadata XML Binding (2002-present), Sponsor Executive Committee (2004-2008)

IMS Global Learning Consortium: Metadata Working Group (1997-1998), Digital Repositories Working Group (2001), Member Common Cartridge Alliance (2008-2009)

Advisory Boards

OpenContent Foundation: Board of Directors (2007-2009)

OpenCourseWare Consortium: (Founding) Board of Directors (2008)

Open High School of Utah: Founding Board of Governors (2007-2008)

National Science Digital Library: Policy Committee (2005-2008), Content Standing Committee Secretary (2003-2005)

Exploratorium, San Francisco, CA: Exploratorium Online NSDL Project Advisory Board (2002-2005)

HONORS AND AWARDS

2004, 2002, 2001   American Society of Mechanical Engineers Region IX, Webmaster Award
1999   American Society of Mechanical Engineers Old Guard Young Engineer of the Year, Runner-Up
1999   American Society of Mechanical Engineers Region IX, Young Engineer of the Year
1998   University of California at Berkeley Distinguished Service Award

COLLABORATORS IN THE LAST 2 YEARS OTHER THAN THOSE CITED ABOVE

Justin Ball, Tatemae/Blitzhaven Consulting; Christophe Battier, Université de Lyon 1; Terri Bays, OpenCourseWare Consortium/University of Notre Dame; Steve Carson, MIT; Catherine Casserly, Carnegie Foundation for the Advancement of Teaching; Tom Caswell, OpenCourseWare Consortium/Dynamic E-Learning Strategies; Cecilia D'Olivera, MIT; Erik Duval, Katholieke Universiteit Leuven; Mary Lou Forward, OpenCourseWare Consortium;