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Professional Preparation

Ph.D. in Computer Science, University of Massachusetts. 1990
M.S. in Computer Science, University of Massachusetts. 1985
B.S. in Biology, University of Michigan. 1980
B.S. in Computer Science, University of Michigan. 1980

Appointments

Professor, Information and Computer Sciences, University of Hawaii. 2001—present
Visiting Professor, School of Engineering, Blekinge Institute of Technology, Sweden, 2006.
Associate Professor, Information and Computer Sciences, University of Hawaii. 1995—2001
Senior Research Fellow, Distributed Systems Technology Centre, University of Queensland, Australia, 1997.
Assistant Professor, Information and Computer Sciences, University of Hawaii. 1990—1995

Products: Closely Related

R.Brewer, Y. Xu, G. Lee, M. Katchuck, C. Moore, P. Johnson, *Three principals for the design of energy feedback visualizations*, International Journal on Advances in Intelligent Systems,Volume 6, No. 3, December 2013.

R. Brewer, Y. Xu, G. Lee, M. Katchuck, C. Moore, P. Johnson, *Energy feedback for smart grid consumers: Lessons learned from the Kukui Cup*, Proceedings of Energy 2013, Lisbon, Portugal, March 2013.

P. Johnson, Y. Xu, R. Brewer, C. Moore, G. Lee, A. Connell, *Makahiki+WattDepot: An open source software stack for next generation energy research and education*, Proceedings of the 2012 Conference on Information and Communication Technologies for Sustainability, Zurich, Switzerland, February 2013.

P. Johnson, Y. Xu, R. Brewer, G. Lee, M. Katchuck, C. Moore, *Beyond kWh: Myths and fixes for energy competition game design*, Proceedings of Meaningful Play 2012, Lansing, Michigan, October 2012.

R. Brewer and P. Johnson, *WattDepot: An open source software ecosystem for enterprise-scale energy data collection, storage, analysis, and visualization*, Proceedings of the First IEEE International Conference on Smart Grid Communications, Gaithersburg, Maryland, October 2010.

Products: Other Significant

H. Kou and P. Johnson and H. Erdogmus, *Operational Definition and Automated Inference of Test-Driven Development with Zorro*, Journal of Automated Software Engineering, December, 2009.

P. Johnson and S. Zhang, *We need more coverage, stat! Experiences with the Software ICU*, Proceedings of Empirical Software Engineering and Measurement, October, 2009.

V. Basili and M. Zelkowitz and D. Sjoberg and P. Johnson and T. Cowling, *Protocols in the use of Empirical Software Engineering Artifacts*, Empirical Software Engineering, Volume 12, February, 2007.

P. Johnson, *Requirement and Design Trade-offs in Hackystat: An in-process software engineering measurement and analysis system*, Proceedings of the 2007 International Symposium on Empirical Software Engineering and Measurement, Madrid, Spain, September, 2007.

L. Hochstein and T. Nakamura and V. Basili and S. Asgari and M. Zelkowitz and J. Hollingsworth and F. Shull and J. Carver and M. Voelp and N. Zazworka and P. Johnson, *Experiments to understand HPC time to development*, CTWatch Quarterly, November, 2006.

Synergistic Activities

Project Leader, Open Power Quality, http://openpowerquality.org/
Project Leader, Kukui Cup, http://kukuicup.org/
Project Leader, Hackystat Framework, http://www.hackystat.org/

Collaborators and other affiliations

Collaborators and Co-Editors. Victor Basili (University of Maryland), Jeff Carver (University of Alabama), Hackan Erdogmus (National Research Council, Canada), Stuart Faulk (University of Oregon), Brian Pentland (Michigan State University), Dan Port (University of Hawaii), Forrest Shull (Fraunhofer-Maryland), Larry Votta (Sun Microsystems), Claes Wohlin (Blekinge Institute of Technology, Sweden), Marvin Zelkowitz (University of Maryland). Total collaborators and co-editors: 10.

Graduate Advisors and Postdoctoral Sponsors. Jack Wileden, Wendy Lehnert, Victor Lessor (all University of Massachusetts). Postdoctoral sponsor: none. Total graduate advisors and postdoctoral sponsors: 3.

Thesis Advisor and Postgraduate-Scholar Sponsor. Robert Brewer (Ph.D. 2013, Aarhus University), Anthony Christe (Ph.D. student), Carleton Moore (Ph.D. 2000, University of Hawaii), Sergey Negrashov (Ph.D. student), Pavel Senin (Ph.D. 2015, INRA MIA), Yongwen Xu (Ph.D. student), Total graduate students advised and postdoctoral scholars sponsored: 18