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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

Publications: Closely Related

Robert S. Brewer, Philip M. Johnson, *WattDepot: An open source software ecosystem for enterprise-scale energy data collection, storage, analysis, and visualization*, Proceedings of the First International Conference on Smart Grid Communications, Gaithersburg, MD, 2010.
George E. Lee, Yongwen Xu, Robert S. Brewer, and Philip M. Johnson, *Makahiki: An Open Source Game Engine for Energy Education and Conservation*, Submitted to Foundations of Digital Games 2012, Raleigh, North Carolina, 2012.
Robert S. Brewer, George E. Lee, Yongwen Xu, Caterina Desiato, Michelle Katchuck, and Philip M. Johnson, *Lights Off. Game On. The Kukui Cup: A Dorm Energy Competition*, Proceedings of the CHI 2011 Workshop on Gamification, Vancouver, Canada, 2011.
Robert S. Brewer, George E. Lee, and Philip M. Johnson, *The Kukui Cup: a Dorm Energy Competition Focused on Sustainable Behavior Change and Energy Literacy*, Proceedings of the 44th Hawaii International Conference on System Sciences, 2011.

Publications: 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. Sjöberg 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 Director, WattDepot Framework, <http://wattdepot.googlecode.com/>

Project Director, Kukui Cup, <http://www.kukuicup.manoa.hawaii.edu/>

Co-founder and interim Chief Technology Officer, HotU, Inc. 2000.

Editorial Board, IEEE Transactions on Software Engineering, 2000-2004.

Program Chair, International Software Engineering Research Network, Annual Meeting, 2000.

Chair, Hawaii Java Users Group, 1996-2005

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)

Graduate Advisors and Postdoctoral Sponsors

Robert Brewer, Yongwen Xu, Michelle Katchuck, George Lee, Monir Hodges, Aaron Kagawa, Hongbing Kou, Christoph Lofi, Michael Paulding, Carleton Moore, Mette Moffett, Alexey Olkov, Pavel Senin, Danu Tjahjono, Dadong Wan, Takuya Yamashita, Cedric Zhang, Shoaxuan Zhang

Thesis Advisor and Postgraduate-Scholar Sponsor

Jack Wileden, Victor Lesser, Wendy Lehnert, David Stemple (deceased), Daniel Corkill (University of Massachusetts)