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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
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

- P. M. Johnson and H. Kou and M. Paulding and Q. Zhang and A. Kagawa and T. Yamashita, *Improving Software Development Management through Software Project Telemetry*, IEEE Software, August, 2005 (to appear).
- S. Faulk and P. M. Johnson and J. Gustafson and A. Porter and W. Tichy and L. Votta, *Measuring HPC Productivity*, International Journal of High Performance Computing Applications, December, 2004.
- P. M. Johnson and H. Kou and J. Augustin and C. Chan and C. Moore and J. Miglani and S. Zhen and W. Doane, *Beyond the Personal Software Process: Metrics collection and analysis for the differently disciplined*, Proceedings of the 2003 International Conference on Software Engineering, Portland, Oregon, May, 2003.
- P. M. Johnson and C. A. Moore and J. A. Dane and R. S. Brewer, *Empirically Guided Software Effort Guesstimation*. IEEE Software, Vol. 17, No. 6, December 2000.
- P. M. Johnson and A. M. Disney, *A Critical Analysis of PSP Data Quality: Results from a Case Study*. Journal of Empirical Software Engineering, Volume 4, December, 1999.

Publications: Other Significant

- P. M. Johnson and M. Paulding, *Understanding HPCS development through automated process and product measurement with Hackystat*, Second Workshop on Productivity and Performance in High-End Computing (P-PHEC), February, 2005.
- P. M. Johnson and H. Kou and J. Augustin and Q. Zhang and A. Kagawa and T. Yamashita, *Practical automated process and product metric collection and analysis in a classroom setting: Lessons learned from Hackystat-UH*, Proceedings of the 2004 International Symposium on Empirical Software Engineering, Los Angeles, California, August, 2004.
- P. M. Johnson, M. L. Moffett, and B. T. Pentland, *Lessons Learned from VCommerce: A virtual environment for interdisciplinary learning about software entrepreneurship*, Communications of the ACM, December, 2003.
- P. M. Johnson and A. M. Disney, *The Personal Software Process: A Cautionary Case Study*. In IEEE Software, Volume 15, No. 6, November, 1998.
- P. M. Johnson, *Design for Instrumentation: High Quality Measurement of Formal Technical Review*. Software Quality Journal, Volume 5, March, 1996.

Synergistic Activities

Editorial Boards:

Journal of Empirical Software Engineering, 2004-present.

IEEE Transactions on Software Engineering, 2000-2004.

Program Chair:

Workshop on Software Engineering for High Performance Computing, 2004, 2005.

International Software Engineering Research Network Annual Meeting, 2000.

Member, Board of Directors:

Hawaii Strategic Development Corporation, 1999-present.

LavaNet, Inc., 2002-present.

Advisory Board Member:

International Journal of Computer Supported Cooperative Work

Program Committees:

XP/Agile Universe, 2004-present.

PROFES 2004-present

International Software Metrics Symposium, 2003-present.

International Symposium on Empirical Software Engineering, 2002-present.

European Conference on Computer Supported Cooperative Work, 1997,1999.

Software Architectures for Cooperative Systems Workshop, 1994

CSCW Tools and Technologies Workshop, 1992,1993

Collaborators

J. Augustin, A. Kagawa, H.Kou, D. Port, M. Paulding, T. Yamashita, Q. Zhang, University of Hawaii.

S. Faulk, University of Oregon

A. Porter, University of Maryland

L. Votta, J. Gustafson, Sun Microsystems

W. Tichy, University of Karlsruhe

D. Reed, University of North Carolina

Thesis Advisor and Postgraduate-Scholar Sponsor

Qin Zhang, University of Hawaii

Carleton Moore, Orincon, Inc.

Danu Tjahjono, Aloha Networks, Inc.

Dadong Wan, Accenture, Inc.

Robert Brewer, LavaNet, Inc.

Mette Moffett, hotU, Inc.

Monir Hodges, Honolulu Community College.

Total graduate students advised: 27

Graduate and Postdoctoral Advisors

Jack Wileden, University of Massachusetts

Victor Lesser, University of Massachusetts

Wendy Lehnert, University of Massachusetts

David Stemple, University of Massachusetts

Daniel Corkill, Blackboard Technology Group