Daniel N. Port

Associate Professor
Department of Information Technology Management
Shidler College of Business
University of Hawai'i, Manoa
Honolulu, HI 96822

Education

Ph D, Massachusetts Institute of Technology, 1994.
Emphasis/major: Mathematics and Theoretical Computer Science

BA, UCLA, 1989.
Emphasis/major: Mathematics

Academic positions

University of Hawai'i, Manoa College of Business Administration
Department of Information Technology Management
Associate Professor (2003 - current)

University of Southern California, Center for Software Engineering
Research Assistant Professor (1999-2002)

Columbia University, Department of Computer Science,
Assistant Professor (1998-1999)

University of Southern California, Center for Software Engineering
Research Assistant Professor (1997-1998)

University of Southern California, Computer Science Department
Lecturer (1996-1997)

Teaching

Previous three years

Year	Fall	Spring
AY19/20	ITM352 BUS619 BUS619 EMBA *	ITM352 ITM683 Business Data Analytics
AY20/21	ITM352 BUS619 BUS619 DLEMBA *	ITM352 ITM683 Business Data Analytics
AY21/22	ITM352 BUS619 BUS619 EMBA *	ITM352 (37) ITM683 Business Data Analytics (28) ITM684 Enterprise System Architecture (10) #*

* Executive Education/Overload

New courses developed.

Course coordinator BUS 310

Daniel N. Port

Professional positions

Present:
NASA Jet Propulsion Laboratory, Pasadena, CA
Affiliate Group Member, Software Assurance and Assurance Research

Past:
iPal, Inc., Los Angeles, CA
CTO

EC2 at the Annenberg Center for Communication, University of Southern California
Director of Technology / Senior Research Scientist

NeXT Computer, Inc., Redwood City, CA
Developer Trainer/OLS Project Leader

Cube Route, Inc., Boston, MA
Director of Technology Development

University of California Los Angeles, Department of Mathematics
Systems Analyst

Grants and research awards

8/2018   NASA Software Assurance Research Program grant $70,000 (administered through the Jet Propulsion Laboratory)
8/2017   NASA Software Assurance Research Program grant $50,000 (administered through the Jet Propulsion Laboratory)
8/2015   NASA Software Assurance Research Program grant $250,000 (administered through the Jet Propulsion Laboratory)
5/2014   Core Fulbright U.S. Scholar Program, Lecturing/Research grant (Japan)
8/2014   NASA Software Assurance Research Program grant $198,000 (with M. Feather administered through the Jet Propulsion Laboratory)
1/2013   NASA Software Assurance Research Program grant $198,000 (with J. Wilf, administered through the Jet Propulsion Laboratory)
1/2013   NASA Software Assurance Research Program grant $175,000 (with A. Nikora, J. Wilf, administered through the Jet Propulsion Laboratory)
1/2012   DoD Systems Engineering Research Center program grant $120,000 (with Liguo Huang, administered through Southern Methodist University)
12/2010   NASA Software Assurance Research Program grant $400,000 (with A. Nikora, J. Wilf, administered through the Jet Propulsion Laboratory)
5/2007 UH College of Business Research grant $16,000
5/2006 UH College of Business Research grant $13,000
10/2005 NASA Human & Robotic Technology Research Grant (2 years; $294,904) (with R. Kazman)
6/2005 National Science Foundation grant (2 years; additional award for 8/02 grant of $79,741) (with P. Johnson)
5/2005 UH College of Business Research grant $6,000

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Professional associations
IEEE Computer Society
Beta Gamma Sigma
International Software Engineering Research Network (ISERN)

Refereed Journal Publications

Taber, Port, "Actionable Analytics for Strategic Maintenance of Critical Software: An Industry Experience Report", *IEEE Software*, 35(1): 58-63 (2018)

Hill, Emily, Philip M. Johnson, and Daniel Port. "Is an Athletic Approach the Future of Software Engineering Education?." *IEEE Software* 33.1 (2016): 97-100.

Panko, Port, "End User Computing: The Dark Matter (and Dark Energy) of Corporate IT." Journal of Organizational and End User Computing (2013).

Port, Bui, "Simulating mixed agile and plan-based requirements prioritization strategies: proof-of-concept and practical implications", *European Journal of Information Systems, EJIS 18(4): 317-331 (2009)*

Grunbacher, Seyff, Briggs, In, Kitapci, Port, "Making Every Student a Winner: The WinWin Approach in Software Engineering Education", *Journal of Systems and Software*, 80(8): 1191-1200 (2007)

Chen, Menzies, Port, Boehm, "Finding the right data for software cost modeling", *IEEE Software*, vol. 22, no 6, p. 38-46, 2005

Yang, Bhuta, Port, Boehm, "Value-Based Processes for COTS-Based Applications", *IEEE Software*, vol. 22, no 4, p. 54- 62, 2005

Menzies, Port, Hihn, Chen, "Simple Software Cost Analysis: Safe or Unsafe?", ACM SIGSOFT Software Engineering Notes 30(4): 1-6 (2005)

Chen, Menzies, Port, Boehm, "Feature subset selection improves software cost estimation", ACM SIGSOFT Software Engineering Notes 30(4): 1-6 (2005)

Boehm, Basili, Port, and Jain, "Achieving CMMI Level 5 Improvements with MBASE and the CeBASE Method," *CrossTalk*, vol. 15, no. 5, pp. 9-16, May 2002

Boehm, Port, "Introducing Risk Management Techniques Within Project Based Software Engineering Courses", *Computer Science Education*, vol. 12, no. 1-2, pp. 37-55, 2002

Boehm, Port, Huang, and Brown, "Using the Spiral Model and MBASE to Generate New Acquisition Process Models: SAIV, CAIV, and SCQAIV", *Crosstalk* January 2002

Port, "A Characterization of Exponential and Ordinary Generating Functions", *Journal of Combinatorial Theory*, Ser. A 98(2): 219-234 (2002)

Daniel N. Port

Boehm, Port, "Balancing Discipline and Flexibility With the Spiral Model and MBASE", *Crosstalk*, December 2001

Port, Dincel, "Experiences Using Domain Specific Techniques within Multimedia Software Engineering", *Annals of Software Engineering*, v12, p. 11-45, 2001

Bohm, Port, Al-Said "Avoiding the Software Model-Clash Spiderweb", *IEEE Computer*, November 2000.

Boehm, Port, "When Models Collide: Lesson From Software Systems Analysis", *IT Professional*, IEEE-CS, January/February 1999, pp. 49-56

Boehm, Port, "Escaping the Software Tar Pit: Model Clashes and How to Avoid Them", *ACM Software Engineering Notes*, January 1999, pp. 36-48.
http://sunset.usc.edu/TechRpts/Papers/usccse98-517/usccse98-517.pdf.

Boehm, Egyed, Port, Shah, Kwan, Madachy, "A Stakeholder Win-Win Approach to Software Engineering Education", *Annals of Software Engineering*, April 1999,
http://sunset.usc.edu/TechRpts/Papers/usccse98-511/usccse98-511.pdf

Port, Kaiser. "Collaborative Work: Collaborative Technologies for Evolving Software Systems", *IEEE Internet Computing*, 2(6), November/December 1998.

Boehm, Egyed, Kwan, Port, Shah, Madachy, "Using the WinWin Spiral Model: A Case Study", *IEEE Computer*, July 1998, http://sunset.usc.edu/TechRpts/Papers/usccse98-512/usccse98-512.pdf

Port, "Circular Numbers and n-set Partitions", *Journal of Combinatorial Theory* - Series A 83, 57-78 (1998)

Refereed Conference Papers

Port, Dan, and Taber, William. "Investigating a NASA Cyclomatic Complexity Policy on Maintenance of a Critical System". *Proceedings of the 16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement*. ACM, 2022. (to appear)

Port, Dan, and Wilf, Joel. "Classifying Risk Uncertainty for Decision Making". *Proceedings of the 52th Hawaii International Conference on System Sciences*. 2019.

Choi, Eunjong Tanaka, Daiki Yoshida, Norihiro Fujiwara, Kenji Port, Daniel and Iida, Hajimu "An Investigation of the Relationship Between Extract Method and Change Metrics: A Case Study of JEdit". APSEC 2018

Port, Dan, and Taber, William. "An Empirical Study of Process Policies and Measures to Manage Productivity and Quality for Maintenance of Critical Software Systems at the Jet Propulsion Laboratory". *Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement*. ACM, 2018.

Daniel N. Port

Port, Dan, and Joel Wilf. "A Decision-Theoretic Approach to Measuring Security." *Proceedings of the 50th Hawaii International Conference on System Sciences*. 2017.

Johnson, Philip, Dan Port, and Emily Hill. "An athletic approach to software engineering education." *Software Engineering Education and Training (CSEET), 2016 IEEE 29th International Conference on*. IEEE, 2016.

Taber, William, and Dan Port. "Staffing Strategies for Maintenance of Critical Software Systems at the Jet Propulsion Laboratory." *Proceedings of the 10th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement*. ACM, 2016.

Port, Wilf, Feather, Seaman, Diep, "Developing a Value-Based Methodology for Satisfying NASA Software Assurance Requirements", *Proceedings of the 49th Hawaii International Conference on System Sciences*. 2017. (HICSS-49, 2016)

Wilf, Port, "Decisions and Disasters: Modeling Decisions that Contribute to Mishaps", *Proceedings of the 49th Hawaii International Conference on System Sciences*. 2017. (HICSS-49, 2016)

Port, Wilf, "The Value Proposition for Assurance of JPL Systems", CSER 2014.

Taber, Port, "Empirical and face validity of software maintenance defect models used at the jet propulsion laboratory", 2014 IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM).

Port, Bui, Wilf, Kobayashi, Miyamoto, "What we have learned about the value of software assurance", 2014 IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM).

Port, Wilf, "The Value of Certifying Software Release Readiness: An Exploratory Study of Certification for a Critical System at JPL", 2013 IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM).

Port, Rachal, and Liu, "Motivating and Orienting Novice Students to Value Introductory Software Engineering", Conference on Software Engineering Education and Training, CSEET 2013

Shigeta, Port, Nikora, Wilf, "Tool Use within NASA Software Quality Assurance"., Hawaii International Conference on System Sciences, HICSS 2013

Panko, Port, "End User Computing: The Dark Matter (and Dark Energy) of Information Technology"., Hawaii International Conference on System Sciences, HICSS 2012

Panko, Port, "Descriptive Research in End User Computing: Embracing the "D Word" to Understand End User Innovation". AMCIS 2012

Katchuck, Port, "Managing Green IS - Integrating the Triple Bottom Line into the IS Value Chain: A framework for sustainable IS solutions". AMCIS 2011

Daniel N. Port

Port, Hihn, Nikora, Huang, "Experiences with Text Mining Large Collections of Unstructured Systems Development Artifacts at JPL", *ICSE 2011, Honolulu, Hawaii*

Huang, Port, "Relevance and Alignment of Real-Client Real-Project Courses via Technology Transfer"*, CSEE&T 2011, Honolulu Hawaii*

Hihn, Port, Chattopadhyay, "Identification and Classification of Common Risks on Space Based Science Missions", AIAA SPACE 2010 Conference & Exposition.

Port, Hayes, Huang, Nikora, "Text Mining Support for Software Requirements: Traceability Assurance", HICSS 44, 2010, Kauai, Hawaii

Port, Wilf, "A Study on the Perceived Value of Software Quality Assurance at JPL", HICSS 44, 2010, Kauai, Hawaii

Huang, Port, Wang, Xie, Menzies, "Text mining in supporting software systems risk assurance.", ASE 2010: 163-166

Birkhölzer, Madachy, Pfahl, Port, Beitinger, Schuster, Olkov, "SimSWE - A Library of Reusable Components for Software Process Simulation", ICSP 2010: 321-332

Lemon, Riesbeck, Menzies, Price, D'Alessandro, Carlsson, Prifiti, Peters, Lu, Port, "Applications of Simulation and AI Search: Assessing the Relative Merits of Agile vs Traditional Software Development", ASE 2009: 580-584

Port, Olkov, Menzies, "Using Simulation to Investigate Requirements Prioritization Strategies" In Automated Software Engineering, 2008. ASE 2008. 23rd IEEE/ACM International Conference, 15-19 Sept. 2008 Page(s):268 – 277

Port, Olkov, Takenaka, "Using Simulation to Validate Intangible and Unobservable Benefits of Agile and Plan- Based Requirements Prioritization Strategies", Proceedings of the International Conference on Product Focused Software Process Improvement, PROFES 2008. 9th International Conference, 23-25 Jun. 2008, Rome, Italy

Port and Korte, "Comparative Studies of the Model Evaluation Criterions MMRE and PRED in Software Cost Estimation Research" In Proceedings of the Second ACM-IEEE international symposium on Empirical software engineering and measurement, ESEM 2008, 9-10 Oct.. 2008, Kaiserslautern, Germany

Port, Boehm, Klappholz, Mead, "Making Requirements Prioritization a Priority". Proceedings 21st Conference on Software Engineering Education and Training, CSEET 2008, 14-17 April 2008, Charleston, South Carolina, Page(s): 250-261

Bagert, Port, and Saideian, 2008. "Software Engineering Education, Training, and Research: The Legacy of Nancy Mead." In Proceedings of the 2008 21st Conference on Software Engineering Education and Training, CSEET 2008, 14 – 17 April 2008. IEEE Computer Society, Washington, DC, 238-243.

Daniel N. Port

Port, Kazman, and Takenaka. "Strategic Planning for Information Security and Assurance." In Proceedings of the *2008 international Conference on information Security and Assurance* (Isa 2008) - Volume 00 (April 24 - 26, 2008). ISA. IEEE Computer Society, Washington, DC, 466-471.

Nakao, Port, Miyamoto, Katahira, Yoshikawa, "Comparing Model Generated with Expert Generated IV&V Activity Plans", Proceedings of the *IEEE International Symposium on Empirical Software Engineering and Measurement* (ESEM), 2007

Richardson, Port, Feather, "Deriving Verification and Validation Strategies", Proceedings of the *IEEE Aerospace Conference* (IEEE Aero), 2007

Port, Kazman, "Laptop Enabled Active Learning in the Software Engineering Classroom: An Experience Report", *20th Conference on Software Engineering Education and Training* (CSEE&T), 2007, Dubin, Ireland

Port , Kazman, Nakao, Katahira, "Practicing What is Preached: 80-20 Rules for Strategic IV&V Assessment", Proceedings of *IEEE Conference on Exploring Quantifiable Information Technology Yields* (EQUITY), 2007, Amsterdam, Netherlands

Richardson, Port, Feather, "Exploring the Robustness of Risk Reduction Strategies", Proceedings of the *International Symposium on Software Reliability Engineering* (ISSRE), 2006

Port, Klappholz, "So you want brooks in your classroom?", *International Conference on Software Engineering* (ICSE), 2006

Port, Nakao, Katahira, Kazman, Hoishino, Miyamoto, "Investigating a Constructive Scorecard Model for Creating Meaningful Quantitative Data from Qualitative Inputs", Proceedings, *International Symposium on Empirical Software Engineering* (ISESE) 2006

Grunbacher, Seyff, Briggs, In, Kitapci, Port, "Making Every Student a Winner: The WinWin Approach in Software Engineering Education", *19th Conference on Software Engineering Education and Training* (CSEE&T), 2006, Turtle Bay, Hawaii

Menzies, Port, Chen, Hihn, Stukes, "Validation Methods for Calibrating Software Effort Models", *International Conference on Software Engineering* (ICSE), 2005

Port, Nakao, Nomoto, Mamiya, Katahira, "Resolving COTS System Assessment Clashes", *International Conference on COTS Based Software Systems* (ICCBSS), 2005

Port, Chen, Kruchten, "An Empirical Validation of the RUP 'Hump' Diagram", Proceedings, *International Symposium on Empirical Software Engineering* (ISESE) 2005

Menzies, Port, Chen, Hihn, "Specialization and extrapolation of software cost models", Proceedings *Automated Software Engineering* 2005, p. 384-387

Port, Takenaka, Klappholz, "Critical Factors in Software Adoption", Proceedings Pacific Asia Conference on Information Systems 2005

Daniel N. Port

Port, "Using Empirical Critical Factor Scorecards to Increase Software Product Adoption Rates", Proceedings, *International Symposium on Empirical Software Engineering* (ISESE) 2004

Takenaka, Port, Kazman, "Using Function Points to Measure Design Information and Interface", Proceedings, *International Symposium on Empirical Software Engineering* (ISESE) 2004

Port, Chen, "Assessing COTS Assessment: How Much Is Enough?", *International Conference on COTS Based Software Systems* (ICCBSS), 2004, P.183-198

Port, Yang, "Empirical Analysis of COTS Activity Effort Sequences", *International Conference on COTS Based Software Systems* (ICCBSS), 2004, P. 169-182

Port, Klappholz, "Empirical Research in the Software Engineering Classroom", *Conference on Software Engineering Education and Training* (CSEE&T), 2004, P.132-137

Hayes, Lethbridge, Port, "Evaluating Individual Contribution Toward Group Software Engineering Projects", *International Conference on Software Engineering* (ICSE), 2003, P. 622-627

Port, Yang, Bhuta, Boehm, "Not All CBS Are Created Equally: COTS-Intensive Project Types" *International Conference on COTS Based Software Systems* (ICCBSS), 2003, P.36-50

Klappholz, Bernstein, Port, "Assessing Attitude Towards, Knowledge of, and Ability to Apply, Software Development Process", *Conference on Software Engineering Education and Training* (CSEE&T), 2003, P. 268-278

Boehm, Port, Yang, Bhuta, Abts, "Composable Process Elements for Developing COTS-Based Applications", Proceedings, *International Symposium on Empirical Software Engineering* (ISESE) 2003, September/October 2003, http://sunset.usc.edu/publications/TECHRPTS/2003/usccse2003-520/usccse2003-520.pdf

Port, Huang, "Strategic Architectural Flexibility", Proceedings on *International Conference on Software Maintenance* (ICSM), 2003

Shull, Basili, Boehm, Brown, Costa, Lindvall, Port, Rus, Tesoriero, Zelkowitz, "What We Have Learned About Fighting Defects", *IEEE METRICS* 2002, P. 249

Boehm, Port "Educating Software Engineering Students to Manage Risk", *International Conference on Software Engineering* (ICSE), March 2001, P. 591-600

Port, Boehm "Using a Model Framework In Developing and Delivering a Family of Software Engineering Project Courses", *14th Conference on Software Engineering Education and Training* (CSEE&T), February 2001

Port, "Experiences Integrating Domain, Systems, and Requirements Engineering Within Software Engineering", *12th International Conference Software & Systems Engineering and their Applications*, December 1999

Daniel N. Port

Port, Dossick, "Extending UML Across The Complete Software Engineering Cycle", *12th International Conference Software & Systems Engineering and their Applications*, December 1999

Port, McArthur, "A Study of Productivity and Efficiency for Object-Oriented Methods and Languages", Proceedings of *6th Asia-Pacific Software Engineering Conference* (APSEC'99), pp.560-563, IEEE, Dec. 1999

Boehm, Port, Abi-Antoun, and Egyed, "Guidelines for the Life Cycle Objectives (LCO) and the Life Cycle Architecture (LCA) deliverables for Model-Based Architecting and Software Engineering (MBASE)", *WICSA* 1999, p. 511-528,
http://sunset.usc.edu/TechRpts/Papers/usccse98-519/usccse98-519.pdf

Park, Port and Boehm, "Supporting Distributed Collaborative Prioritization for WinWin Requirements Capture and Negotiations", *3rd World Multiconference on Systemics*, Cybernetics and Informatics, Vol. 2, pp. 578-584, IIIS, http://sunset.usc.edu/TechRpts/Papers/usccse99-516/usccse99-516.pdf.

Port, Park, "Enabling Distributed Collaboration of Priorities", Proceedings of *6th Asia-Pacific Software Engineering Conference* (APSEC'99), pp.560-563, IEEE, Dec. 1999

Boehm, Port, Egyed, and Abi-Antoun, "The MBASE Life Cycle Architecture Milestone Package: No Architecture Is An Island", *World International Conference in Software Architectures*, 1999,
http://sunset.usc.edu/TechRpts/Papers/usccse98-510/usccse98-510.pdf

Boehm, Abi-Antoun, Port, and Kwan, Lynch, "Requirements Engineering, Expectations Management, and the Two Cultures", *International Conference on Requirements Engineering*, June 1999. http://sunset.usc.edu/TechRpts/Papers/usccse98-518/usccse98-518.pdf

Boehm, Port, "Conceptual Modeling Challenges for Model-Based Architecting and Software Engineering (MBASE)", Proceedings, *Conceptual Modeling* (1997) p. 24-43,
http://sunset.usc.edu/TechRpts/Papers/usccse98-513/usccse98-513.pdf

Refereed Book Chapters

D. Port, T. Bui, "Decision Techniques for Technology Management", in *The Handbook of Technology Management* (Three Volume Set), H. Bidgoli (ed.), John Wiley & Sons, Inc., (forthcoming)

R. Kazman, D. Klappholz, D. Port, "Network Risk Assessment and Risk Management", in *The Handbook of Network Security*, H. Bidgoli (ed.), Wiley, 2006

R. Kazman, D. Klappholz, D. Port, "Risk Assessment and Risk Management", in *The Handbook of Information Security*, H. Bidgoli (ed.), Wiley, 2005, ISBN: 978-0-471-64833-8

Daniel N. Port

Books

Port, Redheffer, <u>Introduction to Differential Equations</u>, (with Raymond Redheffer) Jones and Bartlett Publishers 1992

Port, Redheffer, <u>Differential Equations, Theory and Applications</u>, (with Raymond Redheffer) Jones and Bartlett Publishers 1991

Edited Volumes

Port, Klappholz, "M(in)BASE: An Upward-Tailorable Process Wrapper Framework for Identifying and Avoiding Model Clashes", *Lecture Notes in Computer Science*, no. 3840, Springer (2005)

Port, Chen, Perez, "Evolving an Experience Base for Software Process Research", *Lecture Notes in Computer Science*, no. 3840, Springer (2005)

Klappholz, Port, "Introduction to Model Based Architecting and Software Engineering (MBASE)", *Advances in Computers*, Edited by Marvin V. Zelkowitz, Elsevier Inc., Volume 62 (2004).

Refereed Conference panel, tutorial, workshop (with published summaries)

Pangsakulyanont, Thai, Port, Iida. "Assessing MCR discussion usefulness using semantic similarity." *Empirical Software Engineering in Practice (IWESEP), 2014 6th International Workshop on*. IEEE, 2014.

Korte, M. and Port, D.. "Confidence in software cost estimation results based on MMRE and PRED." In Proceedings of the 4th international Workshop on Predictor Models in Software Engineering (Leipzig, Germany, May 12 - 13, 2008). PROMISE '08. ACM, New York, NY, 63-70.

Haruka Nakao, Jurgen Muench, Daniel Port, ISERN 2007 session, "Guidelines for Model and Methodology Evaluation in Industrial Environments"

Daniel Port, Ramanathan Narayanan: Panel: Software Engineering Education for a Flat World. CSEE&T 2007: 361

Rick Kazman, Daniel Port, Günther Ruhe: Minitrack Introduction. HICSS 2006

Barry W. Boehm, Daniel Port, David Klappholz: Tailoring a Successful Project-Based Course. CSEE&T 2003: 329-

Daniel Port, Haruka Nakao, ICCBSS 2005 workshop co-chair, "Challenges of COTS IV&V"

Daniel Port, PACIS 2005 Tutorial, "Introduction to Strategic Software Engineering"

Rick Kazman, Daniel Port: Strategic Software Engineering. HICSS 2005

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David Klappholz, Daniel Port, CSEE&T 2004 workshop, "Performing Empirical Research in the Software Engineering Classroom"

David Klappholz, Daniel Port, CSEE&T 2004 Tutorial , "Empirical Research in the Software Engineering Classroom"

David Klappholz, Lawrence Bernstein, Daniel Port, Peter Dominic: Tools for Outcomes Assessment of Education and Training in the Software Development Process. CSEE&T 2003: 331-

Daniel Port, Barry W. Boehm: Tutorial 1: Introducing Software Economics within SWE Project Courses. CSEE&T 2002: 266

Daniel Port, Conference on Conceptual Processes 1999 Tutorial, "Transitioning to CMMI with MBASE"

Daniel Port, USC-CSE TUTORIAL July 27, 2000, "MBASE, CMMI, and Evolutionary/Spiral Development"

Peer Reviewed Workshop Contributions

Richardson, Boehm, Madachy, Huang, Port, Kazman, "Reducing Autonomy Risks through Rational Selection of Verification Strategies", 2006 Ground Systems Architecture Workshop, Los Angeles, CA, March 27-29, 2006

Port, Nakao, Katahira, "IV&V Challenges for COTS-based Safety Critical Systems", *International Workshop on Strategic and Economic Methods for Assessment of IV&V Activities*, HICSS-38, JAXA-SP-04-006E, ISSN 1349-113x, 2005

Port, Kazman, "The Need for Strategic IV&V Activities", *International Workshop on Strategic and Economic Methods for Assessment of IV&V Activities*, HICSS-38, JAXA-SP-04-006E, ISSN 1349-113x, 2005

Boehm, Port, "Defect and Fault Seeding In Dependability Benchmarking", *DSN Workshop on Dependability Benchmarking*, June 25, 2002

Chen, Menzies, Port, Boehm, "Feature subset selection improves software cost estimation", *PROMISE'05*, St. Louis, Missouri USA

Port, Klappholz, "M(in)BASE: An Upward-Tailorable Process Wrapper Framework for Identifying and Avoiding Model Clashes", *SPW 2005*, Bejing China

Port, Chen, Perez, "Evolving an Experience Base for Software Process Research", *SPW 2005*, Bejing China

Menzies, Port, Hihn, Chen, "Simple Software Cost Analysis: Safe or Unsafe?", *PROMISE'05*, St. Louis, Missouri USA

Daniel N. Port

Port, Huang, "Software Dependability Risks and the Insurance Process", *Proceedings of the 5th International Workshop on Economics-Driven Software Engineering Research*, ICSE 2003

Port, Introducing a "Street Fair" Open source Practice Within Project Based Software Engineering Courses Position Paper, *First Workshop on Open-Source Software Engineering*, 23rd International Conference on Software Engineering, Toronto, Canada, May 15, 2001.

Boehm, Kaiser, Port, "A Combined Curriculum Research and Curriculum Development Approach to Software Engineering Education", *Software Engineering Education and Training* (CSEE&T), 2000, P. 310-

Al-Said, Port, "Requirements Are Not An Island", *Proceedings of the First International Workshop on Model-Based Requirements Engineering*, 1999

Port, McArthur "COCOMO as Expert Baseline in Software Development Efficiency Metrics Across Heterogeneous Projects", *COCOMO Forum*, October 1999

Port, "Unification of Components and Objects Through Formal Abstractions", *Component Based Software Engineering Workshop*, Proceedings ICSE98.

Port, "Design Patterns for Satellite Ground Control Systems", *Ground Station Architecture Workshop '98*

Editorships

Port et. al., *International Workshop on 21st Century IV&V Training and Education*, CSEET 2006 Workshop Monograph, Hawaii, April 2006

Port, Williams, *Proceedings of the Nineteenth Conference on Software Engineering Education & Training*, IEEE Computer Society Proceedings, April 2006

Lethbridge, Port, *Proceedings of the Eighteenth Conference on Software Engineering Education & Training*, IEEE Computer Society Proceedings, April 2005

Port, Nakao, Katahira Motes, Challenges of COTS IV & V. 4th International Conference, *International Conference on COTS Based Software Systems*, Bilbao, Spain, February 7-11, 2005, Workshop Proceedings, JAXA Publication

Kazman, Port, Strategic Software Engineering. Proceedings of the *38th Hawaii International Conference on System Sciences* – 2005

Port et. al, International Workshop on Strategic and Economic Methods for Assessment of IV&V Activities, HICSS-38 Workshop Monograph, Hawaii, 2005

Franch, Port, COTS-Based Software Systems, *4th International Conference on COTS Based Software Systems*, Bilbao, Spain, February 7-11, 2005, Proceedings Springer 2005

Kazman, Port, COTS-Based Software Systems, *3rd International Conference on COTS Based Software Systems*, Redondo Beach, CA, USA, February 1-4, 2004, Proceedings Springer 2004

Daniel N. Port

Invited speeches and presentations

International Software Engineering Research Network 2005 – Session Speaker

Empirical Approach to Software Engineering Forum 2005 – Keynote Speaker

International Software Project Analysis Workshop 2006 – Invited Member

5th Workshop on Critical Systems 2006 – "Cost and Safety Risk Management: Can They Be Balanced?", invited lecture

4th Workshop on Critical Systems 2005 – invited lecture

3rd Workshop on Critical Systems 2004 – "Strategic Planning of COTS Assessment Activities", invited lecture

HICSS-38 Workshop on Strategic and Economics Methods in IV&V, workshop introduction

NASA Workshop on Critical Systems, 2004

USC-CSE Annual Research Review, 1997, 1998, 1999, 2000

ATT Forum, June 2000 – Small Project Empirical Cost/Effort Estimation

USC CSE Focused Workshop 1999 – MBASE, UML, Simplifiers and Complicators

GSAW 1999 – Domain Specific Design Patterns for Ground Control Systems and Intranets

NASA Critical Systems Workshop, 1999

USC CSE Focused Workshop 1998 – MBASE, DCPT

USC CSE Focused Workshop on Software Architectures 1997 - Object Oriented Architecture

USC CSE Focused Workshop on Rapid Application Development 1997 - RAD in Small Organizations

EDCS DARPA Workshop - UML and Software Architecture
Auspex Technical Forum, 1996

Daniel N. Port

Service

Within last three years only:
Shidler College Curriculum and Program Committee Chair 2018-2020
Member UH IT compensation review committee (CTAC)
Faculty advisor for Delta Sigma Pi (Shidler IB club)
Steering Committee Chair CSEE&T 2018-2023
Industry Track Program Chair, ESEM 2016
Industry Track Program, ESEM 2017
Industry Track Program, ESEM 2018
Program Committee , ICSE 2016
Minitrack Chair, HICSS 50
Minitrack Chair, HICSS 51
Software Engineering Education and Training Track Chair, HICSS 52
Reviewer for IEEE Software, JSS

Awards and Honors

Departmental honors in mathematics (UCLA) (1989)
Departmental Scholar in mathematics (UCLA) (1989)
National Science Foundation Fellowship (1989 -1993)
Chancellor's Marshal (UCLA) (1989)
Dennis Ching Teaching Award 2005 (Junior faculty)
Professor of the semester – BBA Major (Fall 2008)
Dennis Ching Teaching Award 2008 (Senior faculty)
Professor of the semester – BBA Elective (Spring 2009)
Beta Gamma Sigma (lifetime member)
Professor of the semester – BBA Major (Spring 2017)