

ICSSP 2011 Program

May 21	
Time	Item
09:00-09:15	Welcome & Logistics & Program Speakers: David Raffo (General Chair), Lily Zhang (Program Chair)
09:15-10:30	Keynote 1 Chair: David Raffo Speaker: Barry Boehm, University of Southern California, USA Title: Software and Systems Engineering Process Implications of Evolutionary Development Room: Honolulu Suites 1&2
10:30-11:00	Break
11:00-12:30	Parallel Session A1 Software and Systems Process Analysis Chair: Barbara Lerner Room: Honolulu Suites 1&2 "Optimizing Cost and Quality by Integrating Inspection and Test Processes" <i>Frank Elberzhager, Juergen Muench, Dieter Rombach, and Bernd Freimut</i> (Fraunhofer IESE, Germany; Robert Bosch GmbH, Germany) "A Value-Based Review Process for Prioritizing Artifacts" <i>Qi Li, Barry Boehm, Ye Yang, and Qing Wang</i> (University of Southern California, USA; The Chinese Academy of Sciences, China) "Analyzing Software Process Models with AVISPA" <i>Julio Ariel Hurtado Alegria, Maria Cecilia Bastarrica, and Alexandre Bergel</i> (Universidad del Cauca, Colombia; Universidad de Chile, Chile) Parallel Session B1 Knowledge Mining in Software Process Chair: Li (Lily) Zhang Room: Honolulu Suites 3 "Defect Prediction Using Social Network Analysis on Issue Repositories" <i>Serdar Biçer, Ayşe Başar Bener, and Bora Çağlayan</i> (Gerger Consulting, Turkey; Ryerson University, Canada; Boğaziçi University, Turkey) "Automatic Mining of Change Set Size Information from Repository for Precise Productivity Estimation" <i>Hui Huang, Qiusong Yang, Junchao Xiao, and Jian Zhai</i> (Chinese Academy of Sciences, China) "To Branch or Not to Branch?" <i>Rahul Premraj, Antony Tang, Nico Linssen, Hub Geraats, and Hans Van Vliet</i> (VU University Amsterdam, Netherlands; Océ Technologies, Netherlands)
12:30-14:00	Lunch
14:00-15:30	Parallel Session A2 Software Process in MDE Chair: He (Jason) Zhang Room: Honolulu Suites 1&2 "Toward a Comparable Characterization for Software Development Activities in Context of MDE" <i>Regina Hebig, Andreas Seibel, and Holger Giese</i> (Hasso Plattner Institute at the University of Potsdam, Germany) "An MDE Approach to Software Process Tailoring" <i>Julio Ariel Hurtado Alegria, Maria Cecilia Bastarrica, Alcides Quispe, and Sergio Fabián Ochoa</i> (Universidad de Chile, Chile) "Model-based Analysis Process for Embedded Software Product Lines" <i>Lorea Belategi, Goiuria Sagardui, and Leire Etxeberria</i> (Mondragon Unibertsitatea, Spain) Parallel Session B2 Software Process (Short Papers) Chair: Thomas Birkhölzer Room: Honolulu Suites 3 "Understanding how Novices are Integrated in a Team Analysing their Tool Usage" <i>Ilenia Fronza, Alberto Sillitti, Giancarlo Succi, and Jelena Vlasenko</i> (Free University of Bozen, Italy)

"Experiences Mining Open Source Release Histories"
Jason Tsay, Hyrum K. Wright, and Dewayne E. Perry
(CMU, USA; University of Texas at Austin, USA)

"Towards Detailed Software Artifact Specification with SPEMArti"
Marcos Silva and Toacy Oliveira
(Pontifical Catholic University of Rio de Janeiro, Brazil; Federal University of Rio de Janeiro, Brazil)

"The Problem of Private Information in Large Software Organizations"
Jonathan L. Krein, Patrick Wagstrom, Stan Sutton, Clay Williams, and Charles D. Knutson
(Brigham Young University, USA; IBM Watson Research, USA)

"Concepts in the Definition of an Enterprise Development Process"
Stanley Sutton
(IBM Watson Research, USA)

15:30-16:00

Break

16:00-17:30 **Parallel Session A3**

Empirical Studies
Chair: Ove Armbrust
Room: Honolulu Suites 1&2

"An Empirical Characterization of the Accuracy of Software Process Elicitation"
Carlton A. Crabtree, Anthony F. Norcio, and Carolyn B. Seaman
(University of Maryland Baltimore County, USA)

"How Does an Agile Coaching Team Work? A Case Study"
Maria Paasivaara and Casper Lassenius
(Aalto University, Finland)

"Towards an Understanding of Tailoring Scrum in Global Software Development: A Multi-case Study"
Emam Hossain, Paul L. Bannerman, and Ross Jeffery
(The University of New South Wales, Australia; NICTA, Australia)

Parallel Session B3

Business Process (Short Papers)
Chair: Qing Wang
Room: Honolulu Suites 3

"Requirements for Process Management Support: Experience from the Japanese Aerospace Industry"
Martin Kowalczyk, Ove Armbrust, Masafumi Katahira, Tatsuya Kaneko, Yuko Miyamoto, and Yumi Koishi
(Fraunhofer IESE, Germany; Japan Aerospace Exploration Agency, Japan)

"Goal-driven Evaluation of Process Fragments Using Weighted Dependency Graphs"
Thomas Birkhoelzer, Hesam Chiniforoshan Esfahani, Christoph Dickmann, Juergen Vaupel, and Stefan Ast
(University of Applied Sciences Konstanz, Germany; University of Toronto, Canada; Siemens Healthcare, Germany; Siemens Corporate Technology, Germany)

"Defense Acquisition System Simulation Studies"
Joseph Wirthlin, Daniel Houston, and Raymond Madachy
(Air Force Institute of Technology, USA; The Aerospace Corporation, USA; Naval Postgraduate School, USA)

"GoPoMoSA: A Goal-oriented Process Modeling and Simulation Advisor"
Xu Bai, LiGuo Huang, He Zhang, and Alexander Egyed
(Southern Methodist University, USA; NICTA and University of New South Wales, Australia; Johannes Kepler University, Austria)

"Formally Founded, Plan-based Enactment of Software Development Processes"
Jan Friedrich and Klaus Bergner
(TU Muenchen, Germany; 4Soft GmbH, Germany)

19:00-21:00

CONFERENCE DINNER (Details to be announced)

May 22	
Time	Item
09:00-10:30	<p>Keynote 2</p> <p>Chair: He Zhang Speaker: Ross Jeffery, NICTA, Australia Title: Ubiquitous Process: An Opportunity or Temptation? Room: Tapa 3 Ballroom</p>
10:30-11:00	Break
11:00-12:30	<p>Session A4</p> <p>Software Process Improvement Chair: Stan Sutton Room: Tapa 3 Ballroom</p> <p>"Reuse and Product-orientation as Key Elements for Systems Engineering: Aligning a Reference Model for the Industrial Solutions Business with ISO/IEC 15288" <i>Fritz Stallinger, Robert Neumann, Jan Vollmar, and Reinhold Plösch</i> (Software Competence Center Hagenberg, Austria; Siemens AG, Corporate Technology, Germany; Kepler University Linz, Austria)</p> <p>"Strategy to Improve Quality for Software Applications: A Process View" <i>Pablo Becker, Philip Lew, and Luis Olsina</i> (Universidad Nacional de La Pampa, Argentina; Beihang University, China)</p> <p>"A Competency Framework for the Stakeholders of a Software Process Improvement Initiative" <i>Ismael Edrein Espinosa-Curiel, Josefina Rodríguez-Jacobo, and José Alberto Fernández-Zepeda</i> (Center for Scientific Research and Higher Education of Ensenada, Mexico)</p>
12:30-14:00	Lunch
14:00-15:30	<p>Session A5</p> <p>Agile Processes Chair: Casper Lassenius Room: Tapa 3 Ballroom</p> <p>"Agile Development with Security Engineering Activities" <i>Dejan Baca and Bengt Carlsson</i> (Blekinge Institute of Technology, Sweden)</p> <p>"Developer-Driven Big-Bang Process Transition from Scrum to Kanban" <i>Natalja Nikitina and Mira Kajko-Mattsson</i> (Royal Institute of Technology, Sweden)</p> <p>"Strategically Balanced Process Adoption" <i>Hesam Chiniforooshan Esfahani, Eric Yu, and Maria Carmela Annosi</i> (University of Toronto, Canada; Ericsson Telecomunicazioni Sp.A., Italy)</p>
15:30-16:00	Break
16:00-17:30	<p>Panel Session</p> <p>Special Panel: Towards a Manifesto for Rich Process Chair: Marco Kuhrmann Room: Tapa 3 Ballroom</p> <p>"A Proposal for Principles and Values from the Perspective of the German Standard IT-Development Process V-Modell XT" <i>Marco Kuhrmann and Andreas Rausch</i> (TU Muenchen, Germany; TU Clausthal, Germany)</p> <p>"Towards Richer Process Principles" <i>Barry Boehm</i> (University of Southern California, USA)</p> <p>"A Plea for Lean Software Process Models" <i>Philippe Kruchten</i> (University of British Columbia, Canada)</p> <p>"The Right Process For Each Context: Objective Evidence Needed" <i>Ove Armbrust and Dieter Rombach</i> (Fraunhofer IESE, Germany)</p> <p>"A Manifesto for Effective Process Models" <i>William R. Nichols, Patrick Kirwan, and Urs Andelfinger</i> (SEI/CMU, USA; SEI Europe GmbH, Germany)</p>