33rd International Conference on Software Engineering

Waikiki, Honolulu, Hawaii

May 21-28, 2011
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Doctoral Symposium

Student Contest on Software Engineering

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On behalf of the entire ICSE 2011 team, I welcome you to the 33rd International Conference on Software Engineering. ICSE 2011 is held on the tropical island of Oahu, known for its breathtaking natural beauty, historic landmarks, and fusion of Eastern and Western cultures. ICSE 2011 features an exciting technical program with special emphasis on systems and many highlights including a luau!

The ICSE 2011 theme of Software by Design reflects the widely-held view that the most important ingredient in ensuring a software system’s long-term success is its design. While other concepts, concerns, activities, artifacts, and processes are important to the success of a software engineering project, it is the quality of a system’s design that provides the critical ingredient. Highlighting design as the conference’s theme is meant to focus attention upon design’s centrality, to encourage reflection on design experience, to inspire new designers, and to encourage development of new design techniques.

I and the ICSE 2011 team hope you have a rich and enjoyable experience for this year’s conference.

Richard N. Taylor
ICSE 2011 General Chair
Workshops, co-located events, and other events follow the schedule below.

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:00 - 8:30am</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:30 - 10:00am</td>
<td>Session 1</td>
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<td>10:00 - 10:30am</td>
<td>Break</td>
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<tr>
<td>10:30am - 12:00pm</td>
<td>Session 2</td>
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<tr>
<td>12:00-1:30pm</td>
<td>Lunch (1.5 hours)</td>
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<tr>
<td>1:30-3:00pm</td>
<td>Session 3</td>
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<tr>
<td>3:00-3:30pm</td>
<td>Break</td>
</tr>
<tr>
<td>3:30-5:00pm</td>
<td>Session 4</td>
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Be sure to check each event’s online schedule for exact times.
Saturday  

May 21

Workshops

W1: 4th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2011)  
➤ Sea Pearl 1-2

W2: 4th International Workshop on Multicore Software Engineering (IWMSE)  
➤ Sea Pearl 3-4

Co-Located Events

8th Working Conference on Mining Software Repositories (MSR 2011)  
➤ South Pacific 1

International Conference on Software and Systems Process 2011 (ICSSP 2011)  
➤ Tapa Conference Center, Tapa Tower, 2nd floor (at conference hotel, different building from other events)
Sunday May 22

Workshops

W3: 1st International Workshop on Games and Software Engineering (GAS 2011) ➢ South Pacific 3

W4: 4th Workshop on Refactoring Tools (WRT’11) ➢ Sea Pearl 3-4

W6: 7th International Workshop on Software Engineering for Secure Systems (SESS’11) ➢ Sea Pearl 5-6

W7: Flexible Modeling Tools (FlexiTools 2011) ➢ Hibiscus 1

W8: Software Engineering for Cloud Computing Workshop (SECLOUD) ➢ South Pacific 4

W9: 2nd International Workshop on Software Engineering for Sensor Network Applications (SESENA11) ➢ Hibiscus 2


W11: 3rd Workshop on Software Engineering in Health Care (SEHC 2011) ➢ Sea Pearl 1-2

Co-Located Events

8th Working Conference on Mining Software Repositories (MSR 2011) ➢ South Pacific 1

International Conference on Software and Systems Process 2011 (ICSSP 2011) ➢ Tapa Conference Center, Tapa Tower, 2nd floor (in conference hotel, different building from other events)

24th Conference on Software Engineering Education and Training (CSEE&T) ➢ Tapa Conference Center, Tapa Tower, 2nd floor (at conference hotel, different building from other events)

Sunday May 22
Monday May 23

Workshops

W10: 2nd International Workshop on Product Line Approaches in Software Engineering (PLEASE 2011)
  ➢ South Pacific 2

W11: 3rd Workshop on Software Engineering in Health Care (SEHC 2011)
  ➢ Sea Pearl 1-2

W12: 2nd International Workshop on Managing Technical Debt (MTD 2011)
  ➢ Nautilus 1

W13: 5th International Workshop on Software Clones (IWSC 2011)
  ➢ South Pacific 3

W14: 6th International Workshop on Traceability in Emerging Forms of Software Engineering (TEFSE’11)
  ➢ Sea Pearl 3-4

W15: Collaborative Teaching of Globally Distributed Software Development: Community Building Workshop (CTGSD)
  ➢ Sea Pearl 5-6

  ➢ Nautilus 2

W17: 6th International Workshop on Automation of Software Test (AST 2011)
  ➢ South Pacific 4

Co-Located Events

6th International Symposium on Software Engineering for Adaptive and Self-Managed Systems (SEAMS)
  ➢ South Pacific 1

24th Conference on Software Engineering Education and Training (CSEE&T)
  ➢ Tapa Conference Center, Tapa Tower, 2nd floor (at conference hotel, different building from other events)

Doctoral Consortium
  ➢ Hibiscus 1&2
  Co-Chairs: Jo Atlee, Carlo Ghezzi
Tuesday

Workshops

  ➢ Nautilus 2

W17: 6th International Workshop on Automation of Software Test (AST 2011)
  ➢ South Pacific 4

  ➢ South Pacific 3

W19: 2nd International Workshop on Web 2.0 for Software Engineering (Web2SE)
  ➢ Nautilus 1

W20: 6th Workshop on SHAring and Reusing architectural Knowledge (SHARK 2011)
  ➢ Kahili 1

Co-Located Events

6th International Symposium on Software Engineering for Adaptive and Self-Managed Systems (SEAMS)
  ➢ South Pacific 1

24th Conference on Software Engineering Education and Training (CSEE&T)
  ➢ Tapa Conference Center, Tapa Tower, 2nd floor (in conference hotel, different building from other events)

New Software Engineering Faculty and Researchers Symposium (NFRS)
  ➢ South Pacific 2

Festschrift for Professor Leon J. Osterweil
  ➢ Hibiscus 1&2
ICSE 2011 Technical Briefings

Tuesday May 24

Session 1 (8:30-10am)

Track 1
➤ Sea Pearl 1-2
Requirements Traceability in Software Intensive Systems
Jane Cleland-Huang, Jane Huffman Hayes

Track 2
➤ Sea Pearl 3-4
Studying Software Engineering as a Human Activity
Robert DeLine, Emerson Murphy-Hill

Track 3
➤ Sea Pearl 5-6
Optimising Software Testing
Mark Harman

Session 2 (10:30am-12pm)

Track 1
➤ Sea Pearl 1-2
Software Engineering for Secure Systems
Jan Jürjens, Bashar Nuseibeh

Track 2
➤ Sea Pearl 3-4
Mining Software Engineering Data
Ahmed E. Hassan, Tao Xie

Track 3
➤ Sea Pearl 5-6
Towards Industrialization of Business Application Development Using a Model-driven Approach
Vinay Kulkarni

Session 3 (1:30-3pm)

Track 1
➤ Sea Pearl 1-2
Symbolic Execution and Software Testing
Corina Pasareanu

Track 2
➤ Sea Pearl 3-4
Empirical Software Engineering, Version 2.0
Tim Menzies, Forrest Shull

Track 3
➤ Sea Pearl 5-6
REST: The Emerging Architectural Style for Service Oriented Computing
Cesare Pautasso

Session 4 (3:30-5pm)

Track 1
➤ Sea Pearl 1-2
Patents and Software Engineering
Shmuel Ur

Track 2
➤ Sea Pearl 3-4
Software Visualization - Principles and Practice
Michele Lanza

Track 3
➤ Sea Pearl 5-6
Context-bounded Verification of Concurrent Software
Shaz Qadeer
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<td>8:00am</td>
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<td>Coral Ballroom 4&amp;5</td>
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<td>10:45am</td>
<td>Testing the Waters I</td>
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<td>Refactoring Your Lei I</td>
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<td>SEIP: Empirical Software Engineering</td>
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<td>Comprehending the Drift I</td>
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<td>Investing in Software Engineering: A View from ICSE’s Supporters</td>
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<td>5:30pm</td>
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<td>6:00pm</td>
<td>Luau Banquet</td>
<td>Hale Koa Hotel</td>
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Interactivity, Continuity, Sketching & Experience

Kumiyo Nakakoji
Software Research Associates Inc.

➢ Coral Ballroom 4&5

Abstract

The design and development of a software system deals with both the world of making and that of using. The world of making is concerned with molding, constructing and building. The world of using is concerned with engaging, experiencing, and interacting-with. The two worlds are structurally, semantically, and temporally intertwined through software programs.

Designing the world of using requires painstaking efforts toward envisioning all the possible situations of use for all the possible types of users in all the possible contexts, in various temporal and situational levels of granularity, to create a coherent and convivial user experience of using the system. Identifying typical use scenarios or depicting snapshots of crucial usage situations does not suffice to frame the world of using. Thorough analyses of the possible flows of interactions over a long period of time through the dynamism of user engagement and experience are essential in framing the world of using.

Through the delineation of previous and current work on designing and developing research prototype tools for creative knowledge activities, observing and analyzing interaction design processes, and directing user experience design teams for consumer products, this talk will address the expression, representation, communication and assessment of the design of the world of using from the perspectives of interactivity, continuity, sketching and experience.

Bio

Kumiyo Nakakoji, Research Director at Key Technology Laboratory, Software Research Associates Inc., Japan, received B.S. in computer science from Osaka University, Japan, in 1986, and M.S. in 1990 and Ph.D. in 1993, both in computer science from University of Colorado, Boulder, certified in Institute of Cognitive Science. She has been spending her research career both in industry and academia. While she has been working for Software Research Associates since 1986, she also held positions as Full Professor at Research Center for Advanced Science and Technology (RCAST), University of Tokyo, Japan, where she co-directed the Knowledge Interaction Design (KID) Laboratory (2002-2010), as Adjunct Associate Professor at Nara Institute of Science and Technology, Japan (1995-2002), and as Adjunct Assistant Professor at Institute of Cognitive Science, University of Colorado, Boulder, USA (1994-2002). She has served as chairs, editors, and members for numerous research committees, journals, conferences, and government funding agencies, in the fields of Human-Computer Interaction, Software Engineering, and Design and Creative Knowledge Work Support. She was awarded Distinguished Engineering Alumni Award from College of Engineering, University of Colorado, Boulder, in 2006.
Testing the Waters I

Coral Ballroom 4
Chair: Laurie Williams

  Andrea Arcuri and Lionel Briand

A Comment: Mining Annotations from Comments and Code to Detect Interrupt Related Concurrency Bugs
  Lin Tan, Yuanyuan Zhou, and Yoann Padioleau

Camouflage: Automated Anonymization of Field Data
  James Clause and Alessandro Orso

Surfing the Dependability Wave

Coral Ballroom 5
Chair: Sebastián Uchitel

A Lightweight Code Analysis and its Role in Evaluation of a Dependability Case
  Joseph P. Near, Aleksandar Milicevic, Eunsuk Kang, and Daniel Jackson

Towards Quantitative Software Reliability Assessment in Incremental Development Processes
  Toshiya Fuji, Tadashi Dohi, and Takaji Fujiwara

The Impact of Fault Models on Software Robustness Evaluations
  Stefan Winter, Constantin Sărbu, Neeraj Suri, and Brendan Murphy

Refactoring Your Lei I

South Pacific 1&2
Chair: Arie van Deursen

Transformation for Class Immutability
  Fredrik Kjolstad, Danny Dig, Gabriel Acevedo, and Marc Snir

Refactoring Java Programs for Flexible Locking
  Max Schäfer, Manu Sridharan, Julian Dolby, and Frank Tip

Refactoring Pipe-like Mashups for End-User Programmers
  Kathryn T. Stolee and Sebastian Elbaum

Software Engineering in Practice Track

SEIP: Empirical Software Engineering

Coral Ballroom 2
Chair: Walt Scacchi

A Case Study of Measuring Process Risk for Early Insights into Software Safety

Model-Driven Engineering Practices in Industry
  John Hutchinson, Mark Rouncefield, and Jon Whittle

SORASCS: A Case Study in SOA-based Platform Design for Socio-Cultural Analysis
  Bradley Schmerl, David Garlan, Vishal Dwivedi, Michael Bigrigg, and Kathleen M. Carley
New Ideas and Emerging Results Track

Volcanic NIER
- Coral Ballroom 1
  Chair: Judith Bishop

Collaboration
Perspectives of Delegation in Team-Based Distributed Software Development over the GENI Infrastructure
  Pierre F. Tiako
The Hidden Experts in Software-Engineering Communication
  Irwin Kwan and Daniela Damian
How Do Programmers Ask and Answer Questions on the Web?
  Christoph Treude, Ohad Barzilay, and Margaret-Anne Storey

Tools
Sketching Tools for Ideation
  Rachel Bellamy, Michael Desmond, Jacqueelyn Martino, Paul Matchen, Harold Ossher, John Richards, and Cal Swart
Digitally Annexing Desk Space for Software Development
  John Hardy, Christopher Bull, Gerald Kotonya, and Jon Whittle
Information Foraging as a Foundation for Code Navigation
  Nan Niu, Anas Mahmoud, and Gary Bradshaw

Tools & Languages
Identifying Method Friendships to Remove the Feature Envy Bad Smell
  Rocco Oliveto, Malcom Gethers, Gabriele Bavota, Denys Poshyvanyk, and Andrea De Lucia
The Code Orb -- Supporting Contextualized Coding via At-a-Glance Views
  Nicolas Lopez and André van der Hoek
Permission-Based Programming Languages
  Jonathan Aldrich, Ronald Garcia, Mark Hahnenberg, Manuel Mohr, Karl Naden, Darpan Saini, Sven Stork, Joshua Sunshine, Éric Tanter, and Roger Wolff

Demonstrations Track

DemoSurf: Software Analysis and Model Evolution
- South Pacific 3&4
  Chair: Andy Zaidman
MT-Scribe: An End-User Approach to Automate Software Model Evolution (video)
  Yu Sun, Jeff Gray, and Jules White
Inconsistent Path Detection for XML IDEs (video)
  Pierre Genevès and Nabil Layaida
Automated Security Hardening for Evolving UML Models (video)
  Jan Jürjens

Next: Lunch 12:15-1:45pm
**Wednesday May 25**

**Technical/Research Track**

**Comprehending the Drift I**
- Coral Ballroom 4
- Chair: Martin Robillard

Mining Message Sequence Graphs
  - Sandeep Kumar, Siau Cheng Khoo, Abhik Roychoudhury, and David Lo

Automatically Detecting and Describing High Level Actions within Methods
  - Giriprasad Sridhara, Lori Pollock, and K Vijay-Shanker

Portfolio: Finding Relevant Functions and Their Usages
  - Collin McMillan, Mark Grechanik, Denys Poshyvanyk, Qing Xie, and Chen Fu

**Debugging the Surf**
- Coral Ballroom 5
- Chair: Sebastian Elbaum

Angelic Debugging
  - Satish Chandra, Emina Torlak, Shaon Barman, and Rastislav Bodík

Static Extraction of Program Configuration Options
  - Ariel S. Rabkin and Randy Katz

An Empirical Study of Build Maintenance Effort
  - Shane McIntosh, Bram Adams, Thanh H. D. Nguyen, Yasutaka Kamei, and Ahmed E. Hassan

**Empirical Luau I**
- South Pacific 1&2
- Chair: Prem Devanbu

An Empirical Investigation into the Role of API-Level Refactorings during Software Evolution
  - Miryung Kim, Dongxiang Cai, and Sunghun Kim

Factors Leading to Integration Failures in Global Feature-Oriented Development: An Empirical Analysis
  - Marcelo Cataldo and James D. Herbsleb

Assessing Programming Language Impact on Development and Maintenance: A Study on C and C++
  - Pamela Bhattacharya and Iulian Neamtiu

**Software Engineering in Practice Track**

**SEIP: Industry Software Architecture**
- Coral Ballroom 2
- Chair: Kristina Windblah

A Method for Selecting SOA Pilot Projects Including a Pilot Metrics Framework
  - Liam O’Brien, James Gibson, and Jon Gray

Architecture Evaluation without an Architecture: Experience with the Smart Grid
  - Rick Kazman, Len Bass, James Ivers, and Gabriel A. Moreno

Bringing Domain-Specific Languages to Digital Forensics
  - Jeroen van den Bos and Tijs van der Storm
New Ideas and Emerging Results Track

Explosive NIER
- Coral Ballroom 1
  Chair: Jeff Magee

Process
Toward a Better Understanding of Tool Usage
  Alberto Sillitti, Giancarlo Succi, and Jelena Vlaseiko

Characterizing Process Variation
  Borislava I. Simidchieva and Leon J. Osterweil

Blending Freeform and Managed Information in Tables
  Nicolas Mangano, Harold Ossher, Ian Simmonds, Matthew Callery, Michael Desmond, and Sophia Krasikov

Design and Implementation of a Data Analytics Infrastructure in Support of Crisis Informatics Research
  Kenneth M. Anderson and Aaron Schram

Requirements
A Domain Specific Requirements Model for Scientific Computing
  Yang Li, Nitesh Narayan, Jonas Helming, and Maximilian Koegel

CREWW - Collaborative Requirements Engineering with Wii-Remotes
  Felix Bott, Stephan Diehl, and Rainer Lutz

Learning to Adapt Requirements Specifications of Evolving Systems
  Rafael V. Borges, Artur D’Avila Garcez, Luis C. Lamb, and Bashar Nuseibeh

Towards Overcoming Human Analyst Fallibility in the Requirements Tracing Process
  David Cuddeback, Alex Dekhtyar, Jane Huffman Hayes, Jeff Holden, and Wei-Keat Kong

Verification 1
Positive Effects of Utilizing Relationships Between Inconsistencies for more Effective Inconsistency Resolution
  Alexander Nöhrer, Alexander Reder, and Alexander Egyed

Matching Logic: A New Program Verification Approach
  Grigore Roșu and Andrei Ștefănescu

Demonstrations Track

DemoSun: Dynamic Software Updates and Analysis
- South Pacific 3&4
  Chair: George Spanoudakis

JavAdaptor: Unrestricted Dynamic Software Updates for Java (video)
  Mario Pukall, Alexander Grebhahn, Reimar Schröter, Christian Kästner, Walter Cazzola, and Sebastian Götz

DyTa: Dynamic Symbolic Execution Guided with Static Verification Results (video)
  Xi Ge, Kunal Taneja, Tao Xie, and Nikolai Tillmann

Identifying Opaque Behavioural Changes
  Reid Holmes and David Notkin

FireDetective: Understanding Ajax Client/Server Interactions (video)
  Nick Matthijssen and Andy Zaidman

Next: Break + SCORE + ACM SRC Posters
3:15-4:00pm
Wednesday May 25 3:15pm

SCORE and ACM SRC

Posters from the Student Contest on Software Engineering (SCORE) and the ACM Student Research Competition (SRC)

➢ Coral Lounge

ACM Student Research Competition (SRC) Papers

Test Blueprint: An Effective Visual Support for Test Coverage
Vanessa Peña Araya

A Formal Approach to Software Synthesis for Architectural Platforms
Hamid Bagheri

Detecting Cross-browser Issues in Web Applications
Shauvik Roy Choudhary

Measuring Subversions: Security and Legal Risk in Reused Software Artifacts
Julius Davies

Building Domain Specific Software Architectures from Software Architectural Design Patterns
Julie S. Fant

Using Impact Analysis in Industry
Robert Goeritzer

A Decision Support System for the Classification of Software Coding Faults: A Research Abstract
Billy Kidwell

Specification Mining in Concurrent and Distributed Systems
Sandeep Kumar

A Case Study on Refactoring in Haskell Programs
Da Young Lee

Build System Maintenance
Shane McIntosh

Finding Relevant Functions in Millions of Lines of Code
Collin McMillan

Requirements Tracing: Discovering Related Documents through Artificial Pheromones and Term Proximity
Hakim Sultanov

An End-User Demonstration Approach to Support Aspect-Oriented Modeling
Yu Sun

Problem Identification for Structural Test Generation: First Step Towards Cooperative Developer Testing
Xusheng Xiao

Palus: A Hybrid Automated Test Generation Tool for Java
Sai Zhang

Scalable Automatic Linearizability Checking
Shao Jie Zhang
Technical/Research Track

Far-out Surfware Engineering
➢ Coral Ballroom 4
Chair: Tao Xie
On-demand Feature Recommendations Derived from Mining Public Product Descriptions
Horatiu Dumitru, Marek Gibiec, Negar Hariri, Jane Cleland-Huang, Bamshad Mobasher, Carlos Castro-Herrera, and Mehdi Mirakhorli

Inferring Better Contracts
Yi Wei, Carlo A. Furia, Nikolay Kazmin, and Bertrand Meyer

Riding the Design Wave I
➢ Coral Ballroom 5
Chair: Mauro Pezzè
LIME: A Framework for Debugging Load Imbalance in Multi-threaded Execution
Jungju Oh, Christopher J. Hughes, Guru Venkataramani, and Milos Prvulovic

Synthesis of Live Behaviour Models for Fallible Domains
Nicolas D'Ippolito, Victor Braberman, Nir Piterman, and Sebastian Uchitel

Coverage Guided Systematic Concurrency Testing
Chao Wang, Mahmoud Said, and Aarti Gupta

Program Surfing I
➢ South Pacific 1&2
Chair: Wilhelm Schaefer
Inference of Field Initialization
Fausto Spoto and Michael D. Ernst

Taming Reflection: Aiding Static Analysis in the Presence of Reflection and Custom Class Loaders
Eric Bodden, Andreas Sewe, Jan Sinschek, Hela Oueslati, and Mira Mezini

Patching Vulnerabilities with Sanitization Synthesis
Fang Yu, Muath Alkhalaf, and Tevfik Bultan

Investing in Software Engineering: A View from ICSE’s Supporters
➢ South Pacific 3&4
Chair: Richard N. Taylor
The Grand Challenges of Software Engineering - A Perspective from the Trenches
T.S. Mohan, Infosys Technologies Ltd.
Microsoft Research – Connect and Collaborate
Judith Bishop, Microsoft Research
How Software is Engineered at Google
Marija Mikic-Rakic, Google

Next: Luau Banquet
6:00pm (Hale Koa Hotel)
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<td>Posters: NIER I and SEAMS</td>
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<td>Developer Waves</td>
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<td>Outrigger Models and Clones</td>
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<td>Panel: What Industry Wants from Research</td>
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<td>DemoSky: Software Testing and Quality Assessment</td>
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<td>Break</td>
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<tr>
<td>4:00pm</td>
<td>Awards I</td>
<td>Coral Ballroom 4&amp;5</td>
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<td>5:30pm</td>
<td>Sessions End</td>
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<tr>
<td>5:45pm</td>
<td>IEEE TCSE Community Meeting</td>
<td>Coral Ballroom 1</td>
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<tr>
<td>6:00pm</td>
<td>Student and ICSE Supporters Mixer</td>
<td>Lagoon Green/Great Lawn (outside)</td>
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<tr>
<td>6:30pm</td>
<td>ICSE Reception</td>
<td>Lagoon Green/Great Lawn (outside)</td>
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Abstract

Design and design thinking are becoming the hot topics and new business processes around the world—yes, business processes! Business schools are adding design thinking courses to their curricula and business professors are writing books on design thinking. Countries like Korea and Singapore are vying to be the leading Asian Design Nations. New, so-called Convergent courses, programs and schools are emerging globally that combine engineering, business and design disciplines and departments into integrated efforts. The Do-It-Yourself (DIY) Design Movement is gaining momentum and the personal discipline of Making things is coming back. DIY Prototyping and Manufacturing are gaining ground and opportunities with new technologies and innovations. User-Generated Design is becoming a common corporate process. Design process and design thinking are being applied cross-functionally to such global issues as clean water and alternative energy. And the old traditional view of design as art and decoration and styling is giving way to a broader and more comprehensive way of thinking and solving human-centered problems by other than just a few elite professionals.

In light of all this and more, Bill is excited about the ideas of ubiquitous design education for everyone and DIY design as a universal human experience. He is passionate about an idea in what Victor Papanek said 40 years ago in his seminal book, Design for the Real World, “All that we do, almost all the time, is design, for design is basic to all human activity.” Just as all humans are inherently businesspeople in many ways at many times, we are also all designers in many ways at many times—it is time to believe this and make the best of it.

Bio

Bill Dresselhaus is currently a full-time Joint Invited Professor of Design at Hongik University in Seoul, Korea, that country’s top art and design school. Bill teaches product design, design management and design innovation in three schools at Hongik: the Law School, the Mechanical Systems Design and Engineering Department, and the International Design School for Advanced Studies. He is also Founder and President of Dresselhaus Group, Inc., a design, innovation and education consultancy. Bill has over 40 years of broad and eclectic experience in many areas of business, design and technology, especially in product design and development. Bill’s career and background include biochemical research, petroleum refinery design, consumer and high-technology product design and development, college science and design teaching, mechanical design, industrial design and project management. Bill also consults and trains internationally to a variety of client organizations. His client list includes Apple Computer, Hewlett-Packard, EDS, Pantech Group, KIDP, LG Chemical, and InFocus, among many others. Bill was one of the first design innovators at Apple Computer and the Principal Product Designer of the Apple Lisa, the Mother of the Macintosh. He authored, designed and published his popular design book, ROI: Return On Innovation, which he is currently updating into an ebook. He was educated at Stanford University, Iowa State University and Art Center College of Design, obtaining two masters degrees in engineering and product design, and advanced executive graduate training in industrial design. Bill is a full professional member of IDSA, the Industrial Designers Society of America.
Technical/Research Track

Developer Waves
➢ Coral Ballroom 4
Chair: André van der Hoek

Configuring Global Software Teams: A Multi-Company Analysis of Project Productivity, Quality, and Profits
Narayan Ramasubbu, Marcelo Cataldo, Rajesh Krishna Balan, and James D. Herbsleb

Does the Initial Environment Impact the Future of Developers?
Minghui Zhou and Audris Mockus

Socio-Technical Developer Networks: Should We Trust Our Measurements?
Andrew Meneely and Laurie Williams

Outrigger Models and Clones
➢ Coral Ballroom 5
Chair: Michele Lanza

Model Projection: Simplifying Models in Response to Restricting the Environment
Kelly Androutsopoulos, David Binkley, David Clark, Nicolas Gold, Mark Harman, Kevin Lano, and Zheng Li

MeCC: Memory Comparison-based Clone Detector
Heejung Kim, Yungbum Jung, Sunghun Kim, and Kwankeun Yi

Frequency and Risks of Changes to Clones
Nils Göde and Rainer Koschke

Panel

What Industry Wants from Research
➢ South Pacific 1&2
Chair: Margaret-Anne Storey

Panel Abstract
Half of the people who attended the first ICSE in 1975 came from industry, but by 2010, industry participation was less than 20%. This lack of participation hurts both sides: researchers have fewer insights on the problems that are important to practitioners, while practitioners fail to learn what researchers have already discovered that might be useful to them.

Since the publication of “Making Software” in 2010, editor Greg Wilson and the other organizers of this panel have sought to close this gap between industry and research. We started by interviewing leading practitioners in industry to find out what questions they want answered, and what kinds of answers they will find compelling as evidence. At this panel, representatives from the software industry and professionals that straddle the line between research and practice will use the findings from our interviews as a starting point for discussion and will explore how to bring theory and practice back together.

Panelists
Lionel Briand, Simula Research Laboratory
Tatsuhiro Nishioka, Corporate Software Engineering Center, Toshiba Corporation
John Penix, Google
Wolfram Schulte, Microsoft Research
Peri Tarr, IBM Thomas J. Watson Research Center
David Weiss, Iowa State University

Organizers
Jorge Aranda, Daniela Damian, Marian Petre, Margaret-Anne Storey, Greg Wilson
Software Engineering in Practice Track

SEIP: Software Engineering at Large
➢ Coral Ballroom 2
Chair: Joel Ossher
Building and Using Pluggable Type-Checkers
Werner Dietl, Stephanie Dietzel, Michael D. Ernst, Kıvanç Muşlu, and Todd W. Schiller
Deploying CogTool: Integrating Quantitative Usability Assessment into Real-World Software Development
Rachel Bellamy, Bonnie John, and Sandra Kogan
Experiences with Text Mining Large Collections of Unstructured Systems Development Artifacts at JPL
Dan Port, Allen Nikora, Jairus Hihn, and LiGuo Huang

New Ideas and Emerging Results Track

Incendiary NIER
➢ Coral Ballroom 1
Chair: Matt Dwyer
Testing
Model-based Performance Testing
Cornel Barna, Marin Litoiu, and Hamoun Ghanbari
Tuple Density: A New Metric for Combinatorial Test Suites
Baiqiang Chen and Jian Zhang
Search-Enhanced Testing
Colin Atkinson, Oliver Hummel, and Werner Janjic
Testing & Debugging
Fuzzy Set-based Automatic Bug Triaging
Ahmed Tamrawi, Tung T. Nguyen, Jafar Al-Kofahi, and Tien N. Nguyen
Exploiting Hardware Advances for Software Testing and Debugging
Mary Lou Soffa, Kristen R. Walcott, and Jason Mars
Better Testing Through Oracle Selection
Matt Staats, Michael W. Whalen, and Mats P.E. Heimdahl
Program Analysis 1
Tracking Data Structures for Postmortem Analysis
Xiao Xiao, Jinguo Zhou, and Charles Zhang
Iterative Context-Aware Feature Location
Xin Peng, Zhenchang Xing, Xi Tan, Yijun Yu, and Wenyun Zhao
A Study of Ripple Effects in Software Ecosystems
Romain Robbes and Mircea Lungu

Demonstrations Track

DemoSky: Software Testing and Quality Assessment
➢ South Pacific 3&4
Chair: John Grundy
BQL: Capturing and Reusing Debugging Knowledge (video)
Zhongxian Gu, Earl T. Barr, and Zhendong Su
Covana: Precise Identification of Problems in Pex (video)
Xusheng Xiao, Tao Xie, Nikolai Tillmann, and Jonathan Halleux
The Quamoco Tool Chain for Quality Modeling and Assessment (video)
Florian Deissenboeck, Lars Heinemann, Markus Herrmannsdoerfer, Klaus Lochmann, and Stefan Wagner
ReAssert: A Tool for Repairing Broken Unit Tests (video)
Brett Daniel, Danny Dig, Tihomir Gvero, Vilas Jagannath, Johnston Jiaa, Damion Mitchell, Jurand Nogiec, Shin Hwei Tan, and Darko Marinov
AutoBlackTest: A Tool for Automatic Black-Box Testing (video)
Leonardo Mariani, Mauro Pezzè, Oliviero Riganelli, and Mauro Santoro

Next: Lunch and SCORE Demos (12:15-1:45pm)
Technical/Research Track

Surfer Model Checking
- Coral Ballroom 4
  Chair: Matt Dwyer
Symbolic Model Checking of Software Product Lines
  Andreas Classen, Patrick Heymans, Pierre-Yves Schobbens, and Axel Legay
Verifying Multi-threaded Software using SMT-based Context-Bounded Model Checking
  Lucas Cordeiro and Bernd Fischer
Run-Time Efficient Probabilistic Model Checking
  Antonio Filieri, Carlo Ghezzi, and Giordano Tamburrelli

Comprehending the Drift II
- Coral Ballroom 5
  Chair: Alessandro Garcia
Non-Essential Changes in Version Histories
  David Kawrykow and Martin P. Robillard
Aspect Recommendation for Evolving Software
  Tung T. Nguyen, Hung V. Nguyen, Hoan A. Nguyen, and Tien N. Nguyen
Identifying Program, Test, and Environmental Changes That Affect Behaviour
  Reid Holmes and David Notkin

Testing the Waters II
- South Pacific 1&2
  Chair: Lionel Briand
Program Abstractions for Behaviour Validation
  Guido De Caso, Victor Braberman, Diego Garbervetsky, and Sebastián Uchitel
Programs, Tests, and Oracles: The Foundations of Testing Revisited
  Matt Staats, Michael W. Whalen, and Mats P.E. Heimdahl
RACEZ: A Lightweight and Non-invasive Race Detection Tool for Production Applications
  Tianwei Sheng, Neil Vachharajani, Stephane Eranian, Robert Hundt, Wenguang Chen, and Weimin Zheng

Software Engineering in Practice Track

SEIP: Software Metrics
- Coral Ballroom 2
  Chair: T.S. Mohan
An Evaluation of the Internal Quality of Business Applications: Does Size Matter?
  Bill Curtis, Jay Sappidi, and Jitendra Subramanyam
Characterizing the Differences Between Pre- and Post-Release Versions of Software
  Paul Luo Li, Ryan Kivett, Zhiyuan Zhan, Sung-eok Jeon, Nachiappan Nagappan, Brendan Murphy, and Andrew J. Ko
Why Software Quality Improvement Fails (and How to Succeed Nevertheless)
  Jonathan Streit and Markus Pizka

Thursday May 26 1:45pm
Impact Project Focus Area

Impact Project
➢ Coral Ballroom 1

Chair: Leon J. Osterweil
Impact of Process Simulation on Software Practice: An Initial Report
He Zhang, Ross Jeffery, Dan Houston, Liguo Huang, and Liming Zhu
Impact of Software Resource Estimation Research on Practice: Achievements, Synergies, and Challenges
Barry Boehm and Ricardo Valerdi
Symbolic Execution for Software Testing in Practice – Preliminary Assessment
Cristian Cadar, Patrice Godefroid, Sarfraz Khurshid, Corina Păsăreanu, Koushik Sen, Nikolai Tillmann, and Willem Visser

ACM Student Research Competition (SRC)

SRC Second Round Competition Presentations
➢ South Pacific 3&4

Chair: Thomas Zimmermann
The first round of the competition occurs May 25, with poster presentations. Judges review the posters and speak to participants about their research. Judges evaluate the research (quality, novelty, and significance) and the presentation of the research (poster, discussion) and select students to advance to the second round of the competition.

This session is the second round of the competition. Selected students give a short presentation of their research before a panel of judges. After each presentation, there is a short question and answer session. Evaluations are based on the presenter’s knowledge of his/her research area, contribution of the research, and the quality of the oral and visual presentation. Three winners will be chosen in each category, undergraduate and graduate.

The top three winners in each category (undergraduate and graduate) will be recognized during the conference. The winners of the ICSE SRC are also invited to compete with winners from other conferences in the ACM Student Research Competition Grand Finals.

Next: Break + NIER
Posters (3:15-4pm)
Awards

Awards I
- Coral Ballroom 4&5

ICSE 2011 Distinguished Paper Awards
Presented by ICSE 2011 PC Chairs: Harald Gall and Nenad Medvidović

Most Influential Paper of ICSE 2001
Presented by MIP Award Chair: Dewayne Perry

New IEEE Fellows

IEEE TCSE Outstanding Service Award

IEEE TCSE Outstanding Educator Award
Presented by IEEE TCSE Chair: Hausi A. Müller

Next: Student and ICSE Supporters Mixer (6pm)
ICSE Reception (6:30pm)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00am</td>
<td>Continental Breakfast</td>
<td>Coral Lounge</td>
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<td>8:30am</td>
<td>Riding the Design Wave II</td>
<td>Coral Ballroom 4</td>
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<td>Refactoring Your Lei II</td>
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<td>Empirical Luau II</td>
<td>South Pacific 1&amp;2</td>
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<td>SEIP: Software Testing and Analysis</td>
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<td>Erupting NIER</td>
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<td>DemoSand: Computer Supported Cooperative Work and Software Engineering</td>
<td>South Pacific 3&amp;4</td>
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<td>10:00am</td>
<td>Break</td>
<td>Coral Lounge</td>
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<td>10:30am</td>
<td>Program Surfing II</td>
<td>Coral Ballroom 4</td>
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<td>Comprehending the Drift III</td>
<td>Coral Ballroom 5</td>
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<td>Panel: Impact Panel</td>
<td>South Pacific 1&amp;2</td>
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<td>SEIP: Tools and Environments</td>
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<td>Pyroclastic NIER</td>
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<td>DemoShore: Software Development and Maintenance</td>
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<td>12:00pm</td>
<td>Lunch</td>
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<td>2:00pm</td>
<td>DemoSailing: All Demonstrations</td>
<td>Coral Lounge</td>
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<td>Web Surfing</td>
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<td>Testing the Waters III</td>
<td>Coral Ballroom 5</td>
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<td>3:30pm</td>
<td>Break</td>
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<td>4:00pm</td>
<td>Awards II</td>
<td>Coral Ballroom 4&amp;5</td>
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<td>4:45pm</td>
<td>Closing Remarks, ICSE 2012 and ICSE 2013 Preview</td>
<td>Coral Ballroom 4&amp;5</td>
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<td>5:30pm</td>
<td>Sessions End</td>
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Friday May 27 8:30am

**Technical/Research Track**

**Riding the Design Wave II**
- Coral Ballroom 4
  - Chair: Sam Malek
  - Detecting Software Modularity Violations
    Sunny Wong, Yuanfang Cai, Miryung Kim, and Michael Dalton
  - Feature Cohesion in Software Product Lines: An Exploratory Study
    Sven Apel and Dirk Beyer
  - Leveraging Software Architectures to Guide and Verify the Development of Sense/Compute/Control Applications
    Damien Cassou, Emilie Balland, Charles Consel, and Julia Lawall

**Refactoring Your Lei II**
- Coral Ballroom 5
  - Chair: Frank Tip
  - Refactoring to Role Objects
    Friedrich Steimann
  - Supporting Professional Spreadsheet Users by Generating Leveled Dataflow Diagrams
    Felienne Hermans, Martin Pinzger, and Arie van Deursen
  - Reverse Engineering Feature Models
    Steven She, Rafael Lotufo, Thorsten Berger, Andrzej Wąsowski, and Krzysztof Czarnecki

**Empirical Luau II**
- South Pacific 1&2
  - Chair: Anita Sarma
  - Empirical Assessment of MDE in Industry
    John Hutchinson, Jon Whittle, Mark Rouncefield, and Steinar Kristoffersen
  - Dealing with Noise in Defect Prediction
    Sunghun Kim, Hongyu Zhang, Rongxin Wu, and Liang Gong
  - Ownership, Experience and Defects: A Fine-Grained Study of Authorship
    Foyzur Rahman and Premkumar Devanbu

**Software Engineering in Practice Track**

**SEIP: Software Testing and Analysis**
- Coral Ballroom 2
  - Chair: Nicolas Lopez
  - Code Coverage Analysis in Practice for Large Systems
    Yoram Adler, Noam Behar, Orna Raz, Onn Shehory, Nadav Steindler, Shmuel Ur, and Aviad Zlotnick
  - Practical Change Impact Analysis Based on Static Program Slicing for Industrial Software Systems
    Mithun Acharya and Brian Robinson
  - Value-Based Program Characterization and Its Application to Software Plagiarism Detection
    Yoon-Chan Jhi, Xinran Wang, Xiaoqi Jia, Sen-cun Zhu, Peng Liu, and Dinghao Wu
New Ideas and Emerging Results Track

Erupting NIER
- Coral Ballroom 1
  Chair: Mary Shaw

Design Traceability
Tracing Architectural Concerns in High Assurance Systems
  Mehdi Mirakhorli and Jane Cleland-Huang
A Combination Approach for Enhancing Automated Traceability
  Xiaofan Chen, John Hosking, and John Grundy
Capturing Tacit Architectural Knowledge Using the Repertory Grid Technique
  Dan Tofan, Matthias Galster, and Paris Avgeriou

Modeling (or not)
Flexible Generators for Software Reuse and Evolution
  Stan Jarzabek and Ha Duy Trung
The Lazy Initialization Multilayered Modeling Framework
  Fahad R. Golra and Fabien Dagnat
Towards Architectural Information in Implementation
  Henrik Baerbak Christensen and Klaus Marius Hansen

Empirical SE
Topic-based Defect Prediction
  Tung T. Nguyen, Tien N. Nguyen, and Tu M. Phuong
Automated Usability Evaluation of Parallel Programming Constructs
  Victor Pankratius
Data Analytics for Game Development
  Kenneth Hullett, Nachiappan Nagappan, Eric Schuh, and John Hopson

Demonstrations Track

DemoSand: Computer Supported Cooperative Work and Software Engineering
- South Pacific 3&4
  Chair: Andrew Begel
Using MATCON to Generate CASE Tools That Guide Deployment of Pre-Packaged Applications (video)
SEREBRO: Facilitating Student Project Team Collaboration (video)
  Noah Jorgenson, Matthew Hale, and Rose Gamble
StakeSource2.0: Using Social Networks of Stakeholders to Identify and Prioritise Requirements (video)
  Soo Ling Lim, Daniela Damian, and Anthony Finkelstein
Miler: A Toolset for Exploring Email Data (video)
  Alberto Bacchelli, Michele Lanza, and Marco D’Ambros
A Demonstration of a Distributed Software Design Sketching Tool (video)
  Nicolas Mangano, Mitch Dempsey, Nicolas Lopez, and André van der Hoek

Next: Break
(10:00-10:30am)
Technical/Research Track

Program Surfing II
➢ Coral Ballroom 4
Chair: Harold Ossher

Interface Decomposition for Service Compositions
Domenico Bianculli, Dimitra Giannakopoulou, and Corina S. Păsăreanu

Unifying Execution of Imperative and Declarative Code
Aleksandar Milicevic, Derek Rayside, Kuat Yessenov, and Daniel Jackson

Always-available Static and Dynamic Feedback
Michael Bayne, Richard Cook, and Michael D. Ernst

Comprehending the Drift III
➢ Coral Ballroom 5
Chair: Yun Yang

Improving Requirements Quality using Essential Use Case Interaction Patterns
Massila Kamalrudin, John Hosking, and John Grundy

Understanding Broadcast Based Peer Review in Open Source Software Projects
Peter C Rigby and Margaret-Anne Storey

Software Systems as Cities: A Controlled Experiment
Richard Wettel, Michele Lanza, and Romain Robbes

Panel

Impact Panel
➢ South Pacific 1&2
Chair: Leon J. Osterweil

Panel Abstract
This Impact Panel Session is intended to be the focus of a discussion of the general questions surrounding impact: What do we think research impact is? What do other communities regard as impact? How should impact be determined and measured? How can we increase the impact made by our community's research? What new directions might the Software Engineering Community take to stimulate thinking and action in examining these issues? How do the funding bodies view and measure impact?

Panelists
Carlo Ghezzi, Politecnico di Milano
Pete Rotella, Cisco Research
Richard N. Taylor, Univ. of California, Irvine

Organizer
Leon J. Osterweil

Software Engineering in Practice Track

SEIP: Tools and Environments
➢ Coral Ballroom 2
Chair: TBD

A Comparison of Model-based and Judgment-based Release Planning in Incremental Software Projects
Hans Christian Benestad and Jo E. Hannay

An Industrial Case Study on Quality Impact Prediction for Evolving Service-Oriented Software
Heiko Koziolek, Bastian Schlich, Carlos Bilich, Roland Weiss, Steffen Becker, Klaus Krogmann, Mircea Trifu, Raffaela Mirandola, and Anne Koziolek

Enabling the Runtime Assertion Checking of Concurrent Contracts for the Java Modeling Language
Wladimir Araujo, Lionel C. Briand, and Yvan Labiche

Friday May 27 10:30am
**New Ideas and Emerging Results Track**

**Pyroclastic NIER**

- Coral Ballroom 1
- Chair: Lionel Briand

**Program Analysis 2**

- Mining Service Abstractions
  - Dionysis Athanasopoulos, Apostolos V. Zarras, Panos Vassiliadis, and Valerie Issarny

- A Software Behaviour Analysis Framework Based on the Human Perception Systems
  - Heidar Pirzadeh and Abdelwahab Hamou-Lhadj

- Dynamic Shape Analysis of Program Heap using Graph Spectra
  - Muhammad Zubair Malik

- Program Analysis: From Qualitative Analysis to Quantitative Analysis
  - Sheng Liu and Jian Zhang

**Verification 2**

- Diagnosing New Faults Using Mutants and Prior Faults
  - Syed Shariyar Murtaza, Nazim Madhavji, Mechelle Gittens, and Zude Li

- Empirical Results on the Study of Software Vulnerabilities
  - Yan Wu, Harvey Siy, and Robin Gandhi

**Different Angles**

- Multifractal Aspects of Software Development
  - Abram Hindle, Michael W. Godfrey, and Richard C. Holt

- The American Law Institute’s Principles on Software Contracts and their Ramifications for Software Engineering Research
  - James Williams and Jens H. Weber

- Toward Sustainable Software Engineering
  - Nadine Amsel, Zaid Ibrahim, Amir Malik, and Bill Tomlinson

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**Demonstrations Track**

**DemoShore: Software Development and Maintenance**

- Coral Ballroom 1
- Chair: Andrea Zisman

- View Infinity: A Zoomable Interface for Feature-Oriented Software Development (video)
  - Michael Stengel, Janet Feigenspan, Mathias Frisch, Christian Kästner, Sven Apel, and Raimund Dachselt

- CodeTopics: Which Topic am I Coding Now? (video)
  - Malcom Gethers, Trevor Savage, Massimiliano Di Penta, Rocco Oliveto, Denys Poshyvanyk, and Andrea De Lucia

- JDeodorant: Identification and Application of Extract Class Refactorings (video)
  - Marios Fokaefs, Nikolaos Tsantalis, Eleni Stroulia, and Alexander Chatzigeorgiou

- Evolve: Tool Support for Architecture Evolution (video)
  - Andrew McVeigh, Jeff Kramer, and Jeff Magee

- Portfolio: A Search Engine for Finding Functions and Their Usages (video)
  - Collin McMillan, Mark Grechanik, Denys Poshyvanyk, Qing Xie, and Chen Fu

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**Next: Lunch**

(12:00-2:00pm)
Technical/Research Track

Web Surfing
➢ Coral Ballroom 4
  Chair: Alessandro Orso
Automated Cross-Browser Compatibility Testing
  Ali Mesbah and Mukul R. Prasad
A Framework for Automated Testing of JavaScript Web Applications
  Shay Artzi, Julian Dolby, Simon Holm Jensen, Anders Møller, and Frank Tip
Coalescing Executions for Fast Uncertainty Analysis
  William Sumner, Tao Bao, Xiangyu Zhang, and Sunil Prabhakar

Testing the Waters III
➢ Coral Ballroom 5
  Chair: Andreas Zeller
Mining Parametric Specifications
  Choonghwan Lee, Feng Chen, and Grigore Roşu
Estimating Footprints of Model Operations
  Cédric Jeanneret, Martin Glinz, and Benoît Baudry
Precise Identification of Problems for Structural Test Generation
  Xusheng Xiao, Tao Xie, Nikolai Tillmann, and Jonathan de Halleux

Panel

SE Research Grants and NSF “Broader Impacts”: NSF Changes and SE Researcher Strategies
➢ Coral Ballroom 2
  Chair: Margaret Burnett

Panel Abstract
In January 2011, President Obama signed the America COMPETES Reauthorization Act into law. The Act asks the NSF to apply the Broader Impact review criterion to achieve a number of societal goals and to implement a plan for achieving this within six months of the Act becoming law. Thus, NSF has been mandated to take Broader Impacts even more seriously than before. The clock has been ticking since January, and by the time ICSE is held, NSF’s procedures will be only two months away from changing. This session will define the five different ways the criteria can be fulfilled (only one of which is outreach), with many examples and strategies that should be easily within the comfort zones and means of almost any US software engineering researcher.

Panelists
Margaret Burnett, Oregon State University
Lori Clarke, University of Massachusetts Amherst
Sebastian Elbaum, University of Nebraska
Bill Pugh, NSF

Organizer
Margaret Burnett

Demonstrations Track

DemoSailing: All Demonstrations
➢ Coral Lounge
  Chair: Margaret-Anne Storey
In this session, all demonstration track demos will be presented at the same time.

Next: Break
(3:30-4:00pm)
Awards

Awards II
- Coral Ballroom 4&5

ACM Student Research Competition Awards
  Presented by ACM SRC Chair: Thomas Zimmermann

Student Contest on Software Engineering (SCORE) Awards
  Presented by SCORE Co-Chairs: Matteo Rossi and Michal Young

IEEE Computer Society Harlan D. Mills Award
  Presented by IEEE TCSE Chair: Hausi A. Müller

New ACM Fellows, Distinguished ACM Members

Recap of 2010 Impact Paper Awards

ACM SIGBED/SIGSOFT Frank Anger Memorial Award

SIGSOFT Distinguished Service Award

SIGSOFT Influential Educator Award

SIGSOFT Outstanding Research Award
  Presented by ACM SIGSOFT Chair: David Rosenblum

Closing Remarks
ICSE 2012 and 2013 Preview

Begin 4:45pm
- Coral Ballroom 4&5

Information about the next two ICSE conferences, and a chance to say goodbye to your friends.
Saturday May 28

Workshops

➢ South Pacific 1

W22: 4th International Workshop on Software Engineering for Computational Science and Engineering (SE-CSE)  
➢ South Pacific 2

W23: The 1st Workshop on Developing Tools as Plug-ins (TOPI)  
➢ South Pacific 3

Schedule

The schedule for Saturday workshops is as follows:

8:00 - 8:30am  Continental Breakfast
8:30 - 10:00am  Session 1
10:00 - 10:30am  Break
10:30am - 12:00pm  Session 2
12:00-1:30pm  Lunch (1.5 hours)
1:30-3:00pm  Session 3
3:00-3:30pm  Break
3:30-5:00pm  Session 4
Community Events

ICSE 2012 Organizers Meeting
Tuesday, May 24, 5:15 PM - 6:30 PM
- Hibiscus 1&2
Organizer: Martin Glinz (University of Zurich)

Student Volunteers Meeting
Tuesday, May 24, 5:30 PM - 7:30 PM
- Nautilus 1
Organizer: Rosalva Gallardo-Valencia (University of California, Irvine)

SCORE Program Committee Meeting 1
Tuesday, May 24, 5:30 PM - 8:00 PM
- Nautilus 2
Organizers: Michal Young (University of Oregon), Matteo Rossi (Politecnico di Milano)

IEEE TSE Editorial Board Meeting
Tuesday, May 24, 5:45 PM - 7:30 PM
- Kahili 1
Organizer: Bashar Nuseibeh (Lero (Ireland) & The Open University (UK))

ICSE 2013 Organizing Committee
Wednesday, May 25, 12:15 PM - 1:45 PM
- Hibiscus Suite
Organizers: Betty Cheng (Michigan State University), Klaus Pohl (University Duisburg-Essen)

SIGSOFT Executive Committee Meeting
Wednesday, May 25, 12:15 PM - 1:45 PM
- Sea Pearl 1
Organizer: David Rosenblum (University College London)

BoF: National Software Engineering Centers
Wednesday, May 25, 4:00 PM - 5:30 PM
- Sea Pearl 1
Organizer: David Garlan (Carnegie Mellon University)

ESEC Steering Committee Meeting
Thursday, May 26, 12:15 PM - 1:45 PM
- Sea Pearl 1
Organizer: Paola Inverardi (Università dell’Aquila)

ICSE 2012 Program Committee Meeting
Thursday, May 26, 12:15 PM - 1:45 PM
- Sea Pearl 2
Organizers: Gail Murphy (University of British Columbia), Mauro Pezzè (University of Lugano and Università di Milano Bicocca)

SCORE Program Committee Meeting 2
Thursday, May 26, 1:45 PM - 4:00 PM
- Sea Pearl 1
Organizers: Michal Young (University of Oregon), Matteo Rossi (Politecnico di Milano)

IEEE TCSE Community Meeting
Thursday, May 26, 5:45 PM - 6:45 PM
- Coral Ballroom 1
Organizer: Hausi A. Müller (University of Victoria)

ICSE Steering Committee Meeting
Thursday, May 26, 7:00 PM - 9:30 PM
- Lehua Suite
Organizer: Wilhelm Schaefer (Universität Paderborn)

SEIF Awards Dinner
Friday, May 27, 5:30 PM - 8:00 PM
- South Pacific 4
Organizer: Arjmand Samuel (Microsoft Research)

ESEC/FSE 2011 Program Committee Meeting
Saturday, May 28, 2011 - Sunday, May 29, 2011
- Nautilus Suite
Organizer: Andreas Zeller (Saarland University)

ICSE 2011 Debrief
Saturday, May 28, 8:00 AM - 9:30 AM
- Hibiscus Suite
Organizer: Richard N. Taylor (University of California, Irvine)
Hyatt Regency San Francisco  
May 17-27, 2013

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- Oct 27, 2011: Industrial papers · Software engineering education papers · Formal research demonstrations · Workshop proposals · Tutorial and technical briefing proposals
- Dec 1, 2011: New ideas and emerging results · Doctoral symposium submissions
- Feb 17, 2012: Workshop papers · Posters · Informal demonstrations
- Jun 2-9, 2012: Conference

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