

14-17 April
Gold Coast, Australia

ASWEC 2009
ASWEC 2009

The 20th Australian Software Engineering Conference

The Conference Organisers reserve the right to change the Programme, Speakers, Events and/or Times, Dates, Prices and other details as necessary.

Tuesday 14 April - Pre Conference Tutorials and Workshops




0830 - 1800	Registration Open			
	Pre-Conference Tutorials and Workshops are available at an additional cost to your ASWEC Conference Registration. Pre-registration and payment for Pre-Conference Tutorial or Workshop is required.			
	Tutorial 1 Sunset Room	Tutorial 2 Horizon Room		Workshop Oasis Room
0900 - 1030	Mary and Tom Poppendieck Designing a Lean Software Development Process	Kelvin Ross and Padmanabhan Krishnan Model Based Testing in Practice		Jorn Bettin and Keith Duddy Knowledge Industry Survival Strategy (KISS): Fundamental values and principles that underpin the use of domain specific modelling languages
1030 - 1100	Morning Tea			
	Tutorial 1 Sunset Room	Tutorial 2 Horizon Room		Workshop Oasis Room
1100 - 1230	Tutorial 1 Continued	Tutorial 2 Continued		Workshop Continued
1230 - 1330	Lunch			
	Tutorial 1 Sunset Room	Tutorial 2 Horizon Room	Tutorial 4 Boulevard Room	Workshop Oasis Room
1330 - 1500	Tutorial 1 Continued	Tutorial 2 Continued	Vladimir Tasic, Claudio Bartolini and Patric C. K. Hung Management of Service Oriented Systems	Workshop Continued
1500 - 1530	Afternoon Tea			
	Tutorial 1 Sunset Room	Tutorial 2 Horizon Room	Tutorial 4 Boulevard Room	Workshop Oasis Room
1530 - 1700	Tutorial 1 Continued	Tutorial 2 Continued	Tutorial 4 Continued	Workshop Continued
1800 - 2000	Welcome Reception Verandah Bar, Courtyard by Marriott			

14-17 April
Gold Coast, Australia

ASWEC 2009
ASWEC 2009

The 20th Australian Software Engineering Conference






Wednesday 15 April – Conference Day 1

0800-1700	Registration Open		
	Plenary Sunset Room <i>Chair: Paul Strooper</i>		
0850 - 0900	Conference Opening		
0900 - 1000	Keynote Presentation Mary Poppendieck Specialization and Economies of Scale: Where Adam Smith went wrong		
1000 - 1030	Morning Tea		
	S1 – Models Sunset Room <i>Chair: Jacky Keung</i>	S2 – Testing Oasis Room <i>Chair: Ewan Tempero</i>	S3 – Software Process Horizon Room <i>Chair: Richard Thomas</i> <small>Proudly Sponsored by:</small> 
	Sajjad Mahmood and Richard Lai RE-UML: An Extension to UML for Specifying Component-Based Software System	Muhammad Shaban Jokhio, Gill Dobbie and Jing Sun Towards Specification Based Testing for Semantic Web Services	Amir Azim Sharifloo & Mehdi Mirakhorli Agility in Iran – Position, Motivation, and Adaption
1030 - 1200	Nina Moebius, Kurt Stenzel, Holger Grandy and Wolfgang Reif Model-Driven Code Generation for Secure Smart Card Applications	Chris Stanbridge, John Ryan-Brown and Simon McBride Do Pure Agile Development Practices Make System Testing Superfluous?	Uolevi Nikula, Petri Oinonen and Lea Hannola Extending Process Improvement into a New Organizational Unit
	Jörn Guy Süß and Lionel van den Berg Implementing Extension Features in EMF Metamodels	Sakura She, Sasindran Sivapalan and Ian Warren Hermes: A Tool for Testing Mobile Device Applications	Alistair Smith Intellectual Property in the Software Industry
1200 - 1300	Lunch		
	Plenary Sunset Room <i>Chair: Colin Fidge</i>		
1300-1400	Invited Presentation Jeff Smith Bringing Agile to Life @ the Enterprise Level		
	S4 – Cost Estimation Sunset Room <i>Chair: Ricky Hui</i> <small>Proudly Sponsored by:</small> 	S5 – Agile Methods in Practice Oasis Room <i>Chair: David Coupland</i> <small>Proudly Sponsored by:</small> 	S6 – Component-based Software Engineering Horizon Room <i>Chair: Jim Hogan</i>
	Liam O'Brien A Framework for Scope, Cost and Effort Estimation for Service Oriented Architecture (SOA) Projects	Adrian Royce Agile in Government: Successful on-time delivery of Software	Huaxi (Yulin) Zhang, Christelle Urtado and Sylvain Vauttier Connector-driven process for the gradual evolution of component-based software
1400 - 1500	Jacky Keung Software Development Cost Estimation using Analogy: A Review	James Couzens Implementing an enterprise system at Suncorp using Agile development	Jean-Guy Schneider and Markus Lumpe Component Coordination in Gloo
1500 - 1600	Afternoon Break, Poster Session and Tools Demo		
	S7 – Service Composition Sunset Room <i>Chair: Gillian Dobbie</i>	S8 – Requirements Traceability Oasis Room <i>Chair: Judy Bamberger</i>	S9 – Distributed Systems Horizon Room <i>Chair: Paddy Krishnan</i>
	Xin Liang, Yan Liu and Liming Zhu A Component-based Approach to Developing Thematic Mashups	Toby Myers and Geoff Dromey From Requirements to Embedded Software - Formalising the Key Steps	Qin Li, Huibiao Zhu and Jifeng He A Formal Perspective for Service Coordination Framework in Service Oriented Architecture
1600 - 1700	Azlan Ismail, Jun Yan and Jun Shen Dynamic Service Selection for Service Composition with Time Constraints		Keyurkumar Patel, Carly Tolson and Steven Nocker Innovative VoIP Student Attendance Recording Application (VoIP SARA)

14-17 April
Gold Coast, Australia

ASWEC 2009
ASWEC 2009



The 20th Australian Software Engineering Conference

Thursday 16 April – Conference Day 2		
0830 - 1700		
Registration Open		
Plenary Sunset Room Chair: Brad Long		
0900 - 1000		
Keynote Presentation Graeme Wood Agile Thinking - From Concept to Reality		
1000-1030		
Morning Tea		
S10 – Simulation Sunset Room Chair: Andrew Coyle	S11 – Static Analysis Oasis Room Chair: David Hemer	S12 – Web Services Horizon Room Chair: Doug Grant
Cameron Hine, Jean-Guy Schneider, Jun Han and Steve Versteeg Scalable Emulation of Enterprise Systems	Yang Zhao and John Boyland Assuring Lock Usage in Multithreaded Programs based on Fractional Permissions	Justin King and Alan Colman A Multi Faceted Management Interface for Web Services
1030 - 1200		
He Zhang, Barbara Kitchenham and Ross Jeffery Qualitative vs. Quantitative Software Process Simulation Modeling: Conversion and Comparison	Nathan Keynes, Lian Li and Cristina Cifuentes Static Bug Checking Tools and Why You Should Care	Zafar Mehboob, Didar Zowghi and David Lowe An Approach for Comparison of Architecture Level Change Impact Analysis Methods and their relevance in Web Systems Evolution
Steve Counsell, Ben Stopford and Emal Nasser Simulating software evolution with varying numbers of developers and validation using OSS	Alessandra Cavarra Inter-agent data flow analysis of Abstract State Machines	Shiping Chen Securing Confidential Data on Laptops Using Web Services
1200-1300		
Lunch Proudly sponsored by:		
 		
Plenary Sunset Room Chair: David Carrington		
1300-1400		
Invited Presentation Judy Bamberger Expectations and Responsibilities: Delivering high quality products and services through high quality customer-team relationships		
S13 – Research Methods Sunset Room Chair: Leon Stirling	S14 – Project Management Oasis Room Chair: Craig Smith Proudly sponsored by:	S15 – Source Code Analysis Horizon Room Chair: John Hosking
Stuart Charters, David Budgen, Mark Turner, Barbara Kitchenham, Pearl Brereton and Stephen Linkman Objectivity in Research: Challenges from the Evidence-Based Paradigm	  Paul Bannerman Risk Implications of Software Project Organization Structures	David McMeekin, Brian von Kinsky, Michael Robey and David Cooper The Significance of Participant Experience when Evaluating Software Inspection Techniques
1400 - 1500		
Shayne Flint A Conceptual Model of Software Engineering Research Approaches	Steven Jenkins Failing at Iteration Management - Analyst Style	Ewan Tempero How Fields are Used in Java: An Empirical Study
1500 - 1530		
Afternoon Tea		
S16 – Education Sunset Room Chair: Richard Thomas	S17 – Formal Methods 1 Oasis Room Chair: Steve Reeves	
Zeng Wenhua Approaches and Practices of Training High-Level Practical Software Engineering Talents in Collaboration Between Enterprises and Universities	Brijesh Dongol and Ian Hayes Enforcing Safety and Progress: An Approach to Concurrent Program Derivation	
1530 - 1730		
Special Session: Internationalisation of Software Engineering Education 1600 - 1630 Prof. Colin Fidge Losing Their Marbles: Syntax-Free Programming for Assessing Problem-Solving Skills 1630 - 1700 Prof. Mingchu Li Curriculum Developments for IT Service Science 1700 - 1730 Prof. Doug Grant TBA	Kirsten Winter, Robert Colvin and Geoff Dromey Dynamic Relational Behaviour for Large-Scale Systems	
	Peter Fritzson, Adrian Pop, David Broman and Peter Aronsson Formal Semantics Based Translator Generation and Tool Development in Practice	
1900 - 2200		
Conference Dinner Sunset Room, Courtyard by Marriott Proudly Sponsored by:		
		

14-17 April
Gold Coast, Australia

ASWEC 2009
ASWEC 2009

The 20th Australian Software Engineering Conference

Friday 17 April – Conference Day 3			
0830 - 1330	Registration Open		
	Plenary Sunset Room Chair: Anthony MacDonald		
0900 - 1000	Keynote Neville Holmes The Prehistory and the Future of Agility		
1000-1030	Morning Tea		
	Plenary Sunset Room Chair: David Carrington		
1030-1130	Panel The Future of ASWEC		
	S18 – Extreme Programming Sunset Room Chair: Peter Fritzon	S19 – Change Analysis Oasis Room Chair: Daniel Bradley	S20 – Process Modelling Horizon Room Chair: Paul Bannerman
	Andy Marks Faking Agility - a Coach's Observations	Amir Aryani, Ian Peake, Margaret Hamilton, Heinz Schmidt and Michael Winikoff Change propagation analysis using domain information	Leon Sterling and Kuldar Taveter Event-Based Optimization of Air-to-Air Processes
1130 - 1230	Craig Smith and Paul King Experiences from Agile Projects Great & Small	Danhua Shao, Sarfraz Khurshid and Dewayne E Perry The Semantic Impact and Faults in Source Code Changes: An Empirical Study	Andrew Robinson, Wenny Rahayu and Tharam Dillon WAD Workflow System: Data-Centric Workflow System
1230 - 1330	Lunch		
	S21 – Software Process Improvement Sunset Room Chair: Terry Rout Proudly Sponsored by: 	S22 – Formal Methods 2 Oasis Room Chair: Ian Hayes Proudly Sponsored by: 	S23 – Domain-Specific Languages Horizon Room Chair: Jörn Guy Süß
	Trent Kroeger and Neil Davidson A Perspective-based Model of Quality for Software Engineering Processes	Judy Bowen and Steve Reeves Supporting Multi-Path UI Development with Vertical Refinement	Norhayati Ali, John Hosking, Jun Huh and John Grundy Critic Authoring Templates for Specifying Domain-Specific Visual Language Tool Critics
1330 - 1430	Rebecca Hopkins Infrastructure Projects Go Agile!	Huibiao Zhu, Yongxin Zhao and Jifeng He Locality-based Normal Form Approach to Linking Algebraic Semantics and Operational Semantics for an Event-driven System-level Language	Jun Huh, John Grundy, John Hosking, Karen Li and Robert Amor Integrated data mapping for a software meta-tool
	Plenary Sunset Room Chair: Paul Strooper		
1430-1500	Conference Close & Award Presentations Best Research Paper Award Best Industry Paper Award		Awards Proudly Sponsored by: 