

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 Program, 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.

0900 - 1030

Tutorial 1 Oasis Room	Tutorial 2 Horizon Room	Tutorial 3 Sands Room	Tutorial 4 Verandah Bar	Workshop Boulevard Room
Mary and Tom Poppendieck Designing a Lean Software Development Process	Kelvin Ross and Padmanabhan Krishnan Model Based Testing in Practice	Judy Bamberger Delivering Benefits to Your Customers through Process Improvement	Vladimir Tosic, Claudio Bartolini and Patric C. K. Hung Management of Service Oriented Systems	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

1100 - 1230

Tutorial 1 Oasis Room	Tutorial 2 Horizon Room	Tutorial 3 Sands Room	Tutorial 4 Verandah Bar	Workshop Boulevard Room
Tutorial 1 Continued	Tutorial 2 Continued	Tutorial 3 Continued	Tutorial 4 Continued	Workshop Continued

1230 - 1330

Lunch

1330 - 1500

Tutorial 1 Oasis Room	Tutorial 2 Horizon Room	Tutorial 3 Sands Room	Tutorial 5 Verandah Bar	Workshop Boulevard Room
Tutorial 1 Continued	Tutorial 2 Continued	Tutorial 3 Continued	Steve Hayes An Introduction To Test Driven Development	Workshop Continued

1500 - 1530

Afternoon Tea

1530 - 1700

Tutorial 1 Oasis Room	Tutorial 2 Horizon Room	Tutorial 3 Sands Room	Tutorial 5 Verandah Bar	Workshop Boulevard Room
Tutorial 1 Continued	Tutorial 2 Continued	Tutorial 3 Continued	Tutorial 5 Continued	Workshop Continued

1800 - 2000

Welcome Reception
Verandah Bar, Courtyard by Marriott

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Wednesday 15 April – Conference Day 1		
0800-1700		
Registration Open		
Plenary Sunset Room		
0850 - 0900		
Conference Opening		
Keynote Presentation Mary Poppendieck Specialization and Economies of Scale: Where Adam Smith went wrong		
1000 - 1030		
Morning Tea		
S1 – Models Oasis Room	S2 – Testing Sunset Room	S3 – Software Process Horizon Room
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	Udayan Banerjee, N Eswaran and N Kanaklata Experience of Executing Fixed Price Off-shored Agile Project
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?
	Amir Azim Sharifloo Agility in Iran – Position, Motivation, and Adaption	
	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
	Uolevi Nikula, Petri Oinonen and Lea Hannola Extending Process Improvement into a New Organizational Unit	
1200 - 1300		
Lunch		
Plenary Sunset Room		
Invited Presentation Jeff Smith Bringing Agile to Life @ the Enterprise Level		
1300-1400		
S4 – Cost Estimation Oasis Room	S5 – Agile Methods in Practice Sunset Room	S6 – Component-based Software Engineering Horizon Room
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 Gloop	
1500 - 1600		
Afternoon Break, Poster Session and Tools Demo Proudly Sponsored by:		
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S7 – Service Composition Oasis Room	S8 – Requirements Traceability Sunset Room	S9 – Distributed Systems Horizon Room
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)
	Liwei Shen, Xin Peng and Wenyun Zhao A Comprehensive Feature-Oriented Traceability Model for Software Product Line Development	

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Thursday 16 April – Conference Day 2			
0830 - 1700	Registration Open		
	Plenary Sunset Room		
0900 - 1000	Keynote Presentation Graeme Wood Agile Thinking - From Concept to Reality		
1000-1030	Morning Tea		
	S10 – Simulation Oasis Room	S11 – Static Analysis Sunset Room	S12 – Web Services Horizon Room
	Cameron Hine, Jean-Guy Schneider, Jun Han and Steve Versteeg Scalable Emulation of Enterprise Systems	Yang Zhao and Jia Bei Assure Lock Usage in Multithreaded Programs based on Fractional Permission	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		
	Plenary Sunset Room		
1300-1400	Invited Presentation Judy Bamberger Expectations and Responsibilities: Delivering high quality products and services through high quality customer-team relationships		
	S13 – Research Methods Oasis Room	S14 – Project Management Sunset Room	S15 – Source Code Analysis Horizon Room
1400 - 1500	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 Konsky, Michael Robey and David Cooper The Significance of Participant Experience when Evaluating Software Inspection Techniques
	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 Oasis Room	S17 – Formal Methods 1 Sunset Room	
	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 - 1700	Special Session Internationalisation of Software Engineering Education	Kirsten Winter, Robert Colvin and Geoff Dromey Dynamic Relational Behaviour for Large-Scale Systems	
		Peter Fritzon, Adrian Pop, David Broman and Peter Aronsson Formal Semantics Based Translator Generation and Tool Development in Practice	
1900 - 2200	Conference Dinner		

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Friday 17 April – Conference Day 3			
0830 - 1330	Registration Open		
	Plenary Sunset Room		
0900 - 1000	Keynote Neville Holmes The Prehistory and the Future of Agility		
1000-1030	Morning Tea		
	Plenary Sunset Room		
1030-1130	Panel The Future of ASWEC		
	S18 – Extreme Programming Oasis Room	S19 – Change Analysis Sunset Room	S20 – Process Modelling Horizon Room
	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 Oasis Room	S22 – Formal Methods 2 Sunset Room	S23 – Domain-Specific Languages Horizon Room
	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 and David Worthington 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		
1430-1500	Conference Close		