

# Australian Software Engineering Conference 1997: ASWEC '97

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# 1998 Australian Software Engineering Conference Aswec 98

**Leon Sterling, Kuldar Taveter**



## **1998 Australian Software Engineering Conference Aswec 98:**

**ZUM '98: The Z Formal Specification Notation** Jonathan P. Bowen, Andreas Fett, Michael G. Hinchey, 1998-09-16 1 In a number of recent presentations most notably at FME 96 one of the foremost scientists in the field of formal methods C A R Hoare has highlighted the fact that formal methods are not the only technique for producing reliable software This seems to have caused some controversy not least amongst formal methods practitioners How can one of the founding fathers of formal methods seemingly denounce the field of research after over a quarter of a century of support This is a question that has been posed recently by some formal methods skeptics However Prof Hoare has not abandoned formal methods He is reiterating 2 albeit more radically his 1987 view that more than one tool and notation will be required in the practical industrial development of large scale complex computer systems and not all of these tools and notations will be or even need be formal in nature Formal methods are not a solution but rather one of a selection of techniques that have proven to be useful in the development of reliable complex systems and to result in hardware and software systems that can be produced on time and within a budget while satisfying the stated requirements After almost three decades the time has come to view formal methods in the context of overall industrial scale system development and their relationship to other techniques and methods We should no longer consider the issue of whether we are pro formal or anti formal but rather the degree of formality if any that we need to support in system development This is a goal of ZUM 98 the 11th International Conference of Z Users held for the first time within continental Europe in the city of Berlin Germany **EuroPLOP 2009 Proceedings** Allan Kelly, 2011

**Proceedings**, 2003 1998 Asia Pacific Software Engineering Conference, 1998 Partial Contents Architecture Framework Formal Methods Metrics Software Design Methodology Validation UML Software Development Environment Object Oriented Techniques Distributed User Interface **Pattern-oriented Analysis and Design** Sherif M. Yacoub, Hany Hussein Ammar, 2004 Exploit the significant power of design patterns and make better design decisions with the proven POAD methodology Improve software quality and reliability while reducing costs and maintenance efforts Practical case studies and illustrative examples help the reader manage the complexity of software development Towards the Knowledge Society João L. Monteiro, Paula M.C. Swatman, L. Valadares Tavares, 2013-04-17 Towards the Knowledge Society is a state of the art book covering innovative trends in the design implementation and dissemination of eCommerce eBusiness and eGovernment The book contains recent results of research and development in the areas of eGovernment eMarkets eLearning eBusiness B2B and B2C Trust Security and Fraud Public Services and Health Design of I S Web and Technology Systems Applications and Procedures for eCommerce eBusiness Towards the Knowledge Society comprises the proceedings of I3E 2002 the Second International Conference on eCommerce eBusiness eGovernment which was sponsored by the International Federation for Information Processing IFIP and held in Lisbon Portugal in October 2002 *Design Science at the Intersection of Physical and Virtual Design* Jan vom Brocke, Riitta Hekkala, Sudha Ram, Matti Rossi, 2013-06-21 This book

constitutes the refereed proceedings of the 8th International Conference on Design Science Research in Information Systems and Technology DESRIST 2013 held in Helsinki Finland in June 2013 The 24 full papers 8 research in progress papers 12 short papers and 8 poster abstracts were carefully reviewed and selected from 93 submissions The papers are organized in topical sections on system integration and design meta issues business process management and ERP theory development emerging themes green IS and service management method engineering papers describing products and prototypes and work in progress papers

*ECOOP 2002 - Object-Oriented Programming* Boris Magnusson,2003-08-02 This book constitutes the refereed proceedings of the 16th European Conference on Object Oriented Programming ECOOP 2002 held in Malaga Spain in June 2002 The 24 revised full papers presented together with one full invited paper were carefully reviewed and selected from 96 submissions The book offers topical sections on aspect oriented software development Java virtual machines distributed systems patterns and architectures languages optimization theory and formal techniques and miscellaneous

**Transactions on Pattern Languages of Programming III** James Noble,Ralph Johnson,Uwe Zdun,Eugene Wallingford,2013-05-31 The Transactions on Pattern Languages of Programming subline aims to publish papers on patterns and pattern languages as applied to software design development and use throughout all phases of the software life cycle from requirements and design to implementation maintenance and evolution The primary focus of this LNCS Transactions subline is on patterns pattern collections and pattern languages themselves The journal also includes reviews survey articles criticisms of patterns and pattern languages as well as other research on patterns and pattern languages This book the third volume in the Transactions on Pattern Languages of Programming series presents five papers that have been through a careful peer review process involving both pattern experts and domain experts The papers present various pattern languages and a study of applying patterns and represent some of the best work that has been carried out in design patterns and pattern languages of programming over the last few years

**Investigations of E-Learning Patterns: Context Factors, Problems and Solutions** Kohls, Christian,Wedekind, Joachim,2010-12-31 This book addresses e learning patterns in software development providing an accessible language to communicate sophisticated knowledge and important research methods and results Provided by publisher

Practice-Driven Research on Enterprise Transformation Frank Harmsen, Frank Schalkwijk, Joseph Barjis, Sietse Overbeek,2010-11-01 The PRET working conferences are set up as a one day event in such a way that it attracts an audience from both industry and academia PRET 2010 was a continuation of the PRET 2009 working conference which was organized as the industrial track at the 2009 CAiSE conference The PRET 2010 working conference was organized as part of the enterprise engineering week and was co located with PoEM 2010 and TEAR 2010 in Delft The statement that modern day enterprises are in a constant state of ux is in 2010 even more true than it was in 2009 The markets are in a state of confusion and seem to have no direction at all as they are swinging back and forth depending on often contradictory signals and economic forecasts As a consequence enterprises be they private businesses government

departments or other organizations are taking their measures Restructuring divesting proving performance and merging are among the usual transformation activities that enterprises conduct to provide answers to the ever challenging demands that are put on them In addition to the tricky economic situation developments like globalization rapid technological advancement aging and the changing mindset of customers contribute to a situation in which nothing is certain anymore and in which change is the only constant PRET approaches these developments and the impact they have on enterprises from a holistic enterprise engineering perspective

*ZB 2002: Formal Specification and Development in Z and B* Didier Bert, 2002-01-16 This book constitutes the refereed proceedings of the Second International Conference of B and Z Users ZB 2002 held in Grenoble France in January 2002 The 24 papers presented together with three invited contributions were carefully reviewed and selected for inclusion in the book The book documents the recent advances for the Z formal specification notion and for the B method the full scope is covered ranging from foundational and theoretical issues to advanced applications tools and case studies

*Enterprise, Business-Process and Information Systems Modeling* Ilia Bider, Terry Halpin, John Krogstie, Selmin Nurcan, Erik Proper, Rainer Schmidt, Roland Ukor, 2010-05-20 This book contains the proceedings of two well established scientific events held in connection with the CAiSE conferences relating to the areas of enterprise business processes and information systems modeling The 11th International Workshop on Business Process Modeling Development and Support BPMDS 2010 The 15th International Conference on Exploring Modeling Methods for Systems Analysis and Design EMMSAD 2010 The two events are introduced briefly below BPMDS 2010 BPMDS 2010 was the 11th in a series of workshops that have successfully served as a forum for raising and discussing new ideas in the area of business process development and support The BPMDS series has produced 10 workshops from 1998 to 2009 Eight of these workshops including the last seven BPMDS 2003 BPMDS 2009 were held in conjunction with CAiSE conferences The BPMDS workshops focus on topics relating to IT support for business processes which addresses key issues that are relevant to the continuous development of information systems theory The continued interest in these topics within the industrial and academic IS communities is reflected by the success of the last BPMDS workshops and the emergence of new conferences devoted to this theme Previous BPMDS workshops focused on the different phases in the business process life

cycle as well as the driver that motivate and initiate business process design and evolution

**Proceedings of PART '98** Kenneth A. Hawick, Heath A. James, 1998-10 The proceedings of the 5th Australasian Conference on Parallel and Real Time Systems PART 98 collects some of the exciting and innovative approaches to the problems of high performance computing At a time when the field is going through a shake out of commercial solutions the research presented here gives an insight into new hardware software and algorithms for achieving high performance on parallel and reconfigurable computing systems PART 98 covers networking and processing hardware innovations network traffic simulation modeling and routing algorithms operating systems software and control methods and parallel algorithms and applications Special emphasis is on algorithms

for managing data and memory and reconfigurable systems Articles describe activities at both overview level as well as highly technical mathematical analyses of some algorithmic approaches

**Scientific Engineering of Distributed Java Applications** Nicolas Guelfi, Gianna Reggio, Alexander Romanovsky, 2008-01-04 FIDJI 2004 was an international forum for researchers and practitioners interested in the advances in and applications of software engineering for distributed application development Concerning the technologies the workshop focused on Java related technologies It was an opportunity to present and observe the latest research results and ideas in these areas

All papers submitted to this workshop were reviewed by at least two members of the International Program Committee Acceptance was based primarily on originality and contribution We selected for these post workshop proceedings 11 papers amongst 22 submitted a tutorial and two keynotes FIDJI2004 aimed at promoting a scientific approach to software engineering The scope of the workshop included the following topics design of distributed applications development methodologies for software and system engineering UML based development methodologies development of reliable and secure distributed systems component based development methodologies dependability support during system life cycle fault tolerance refinement evolution and decomposition atomicity and exception handling in system development software architectures frameworks and design patterns for developing distributed systems integration of formal techniques in the development process formal analysis and grounding of modelling notation and techniques e.g. UML metamodelling supporting the security and dependability requirements of distributed applications in the development process distributed software inspection refactoring methods industrial and academic case studies development and analysis tools The organization of such a workshop represents an important amount of work

**The Art of Agent-oriented Modeling** Leon Sterling, Kuldar Taveter, 2009 The Art of Agent Oriented Modeling is an introduction to agent oriented software development for students and for software developers who are interested in learning about new software engineering techniques Foreword

**Object-Oriented Technology. ECOOP'99 Workshop Reader** Ana Moreira, Serge Demeyer, 2003-07-31 ECOOP 99 Workshops Panels and Posters Lisbon Portugal June 14-18 1999 Proceedings

**Defense Industry Applications of Autonomous Agents and Multi-Agent Systems** Michal Pechoucek, Simon G. Thompson, Holger Voos, 2008-03-11 This collection of recently published and refereed papers comes from workshops and colloquia held over the last two years The papers describe the development of command and control systems military communications systems information systems surveillance systems autonomous vehicles simulators and HCI The collection provides for the first time an overview of the most significant advances in the technology of intelligent agents

**Utilizing Information Technology Systems Across Disciplines: Advancements in the Application of Computer Science** Abu-Ta'ieh, Evon M. O., El-Sheikh, Asim A., Abu-Tayeh, Jehan, 2009-03-31 Provides original material concerned with all aspects of information resources management managerial and organizational applications as well as implications of information technology

**Unifying the Software Process Spectrum** Barry

Boehm, 2005 This book constitutes the thoroughly refereed post proceedings of the International Software Process Workshop SPW 2005 held in Beijing China in May 2005 The 30 papers presented here together with 11 keynote addresses are organized in topical sections on process content process tools and metrics process management process representation and analysis as well as experience reports

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