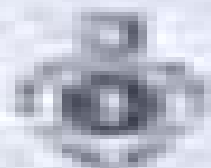


Thyagarath Jayaram | Peter E. Laufer

Specification and Analysis of Concurrent Systems

The COSE Approach



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Specification And Analysis Of Concurrent Systems

Yakup Paker, J.-P. Verjus



Specification And Analysis Of Concurrent Systems:

Specification and Analysis of Concurrent Systems Ryszard Janicki, Peter E. Lauer, 2012-12-06 Concurrent systems abound in human experience but their fully adequate conceptualization as yet eludes our most able thinkers The COSY ConcurrentSystem notation and theory was developed in the last decade as one of a number of mathematical approaches for conceptualizing and analyzing concurrent and reactive systems The COSY approach extends the conventional notions of grammar and automaton from formal language and automata theory to collections of synchronized grammars and automata permitting system specification and analysis of true concurrency without reduction to non determinism COSY theory is developed to a great level of detail and constitutes the first uniform and self contained presentation of all results about COSY published in the past as well as including many new results COSY theory is used to analyze a sufficient number of typical problems involving concurrency synchronization and scheduling to allow the reader to apply the techniques presented to similar problems The COSY model is also related to many alternative models of concurrency particularly Petri Nets Communicating Sequential Processes and the Calculus of Communicating Systems *Specification and Verification of Concurrent Systems* Charles Rattray, 2013-11-11 This volume contains papers presented at the BCS FACS Workshop on Specification and Verification of Concurrent Systems held on 6-8 July 1988 at the University of Stirling Scotland Specification and verification techniques are playing an increasingly important role in the design and production of practical concurrent systems The wider application of these techniques serves to identify difficult problems that require new approaches to their solution and further developments in specification and verification The Workshop aimed to capture this interplay by providing a forum for the exchange of the experience of academic and industrial experts in the field Presentations included surveys original research practical experience with methods tools and environments in the following or related areas Object oriented process data and logic based models and specification methods for concurrent systems Verification of concurrent systems Tools and environments for the analysis of concurrent systems Applications of specification languages to practical concurrent system design and development We should like to thank the invited speakers and all the authors of the papers whose work contributed to making the Workshop such a success We were particularly pleased with the international response to our call for papers Invited Speakers Pierre America Philips Research Laboratories University of Warwick Professor M Joseph David Freestone British Telecom Organising Committee Charles Rattray Dr Muffy Thomas Dr Simon Jones Dr John Cooke Professor Ken Turner Derek Coleman Maurice Naftalin Dr Peter Scharbach vi Preface We would like to acknowledge the financial contribution made by SD Systems Designers pie Camberley Surrey *Rough Computing: Theories, Technologies and Applications* Hassanien, Aboul Ella, Suraj, Zbigniew, Slezak, Dominik, Lingras, Pawan, 2007-08-31 Covers key rough computing research surveying a full range of topics and examining defining issues of the field

Computer Networking Symposium IEEE Computer Society. Technical Committee on Computer Communications, 1988

Rough Sets, Fuzzy Sets, Data Mining and Granular Computing Hiroshi Sakai, Mihir Chakraborty, Aboul-Ella Hassanien, Dominik Slezak, William Zhu, 2009-12-15 This book constitutes the refereed proceedings of the 12th International Conference on Rough Sets Fuzzy Sets Data Mining and Granular Computing RSFDGrC 2009 held in Delhi India in December 2009 in conjunction with the Third International Conference on Pattern Recognition and Machine Intelligence PReMI 2009 RSFDGrC 2009 is the core component of a broader Rough Set Year in India initiative RSIndia09 The 56 revised full papers presented together with 6 invited papers and a report on the Rough Set Year in India 2009 project were carefully reviewed and selected from a total of 130 submissions The papers are organized in topical sections on foundations of rough sets and beyond rough set algorithms and applications fuzzy set foundations and applications data mining and knowledge discovery clustering and current trends in computing and information retrieval and text mining Research and Technology Objectives and Plans Summary, 1992 A compilation of the summary portions of each of the RTOPs used for management review and control of research currently in progress throughout NASA P i *Scientific and Technical Aerospace Reports*, 1991 **Formal Techniques in Real-time and Fault-tolerant Systems**, 1988 **NASA Technical Memorandum**, 1963 **Distributed Computing Systems** Yakup Paker, J.-P. Verjus, 1983 Computerworld, 1984-12-10 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld's award winning Web site Computerworld.com twice monthly publication focused conference series and custom research form the hub of the world's largest global IT media network *Protocol Specification, Testing, and Verification*, V Michel Diaz, 1986 **Formal Description Techniques VII** D. Hogrefe, S. Leue, 1995-02-28 This book presents the latest research in formal techniques for distributed systems including material on theory applications tools and industrial usage of formal techniques Proceedings of the Sixth International Workshop on Software Specification and Design, October 25-26, 1991, Como, Italy, 1991 Structures in Concurrency Theory Jörg Desel, 1995-10-13 This is the latest volume in the Workshops in Computing series and contains the papers presented at the International Workshop on Structures in Concurrency Theory STRICT held in Berlin from 11-13 May 1995 Concurrency theory deals with formal aspects of concurrent systems It uses partly competing and partly complementary formalisms and structures This workshop was jointly organised by the Humboldt University zu Berlin and the ESPRIT Basic Research Working Group CALIBAN CALIBAN and its predecessor DEMON are ESPRIT Basic Research projects with the aim of developing design methodologies based on causal models such as Petri nets The workshop marked the third year of the project and surveyed the results of CALIBAN and DEMON since 1989 **Proceedings of FMSP ...**, 1998 **Mathematical Reviews**, 2000 Computer Science Logic, 1991 *Advances in Petri Nets*, 1987 **A Bridge Between Control Science and Technology** International Federation of Automatic Control. World Congress, 1985

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