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| 1. | Record Nr. | UNISA990000215940203316 |
| | Titolo | Stability problems for stochastic models : proceedings of the 9th international seminar : held in Varna, Bulgaria, May 13-19, 1985 / edited by V. V. Kalashnikov, B. Penkov and V. M. Zolotarev |
| | Pubbl/distr/stampa | Berlin [etc.] : Springer-Verlag, copyr. 1987 |
| | ISBN | 3-540-17204-1 |
| | Descrizione fisica | VI, 223 p. : ill. ; 25 cm |
| | Collana | Lecture notes in mathematics ; 1233 |
| | Disciplina | 5192 |
| | Collocazione | 510 LNM (1233) |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| 2. | Record Nr. | UNISA996465278603316 |
| | Titolo | Abstract State Machines, B and Z [[electronic resource]] : First International Conference, ABZ 2008, London, UK, September 16-18, 2008. Proceedings / / edited by Egon Börger, Michael Butler, Jonathan P. Bowen, Paul Boca |
| | Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008 |
| | ISBN | 3-540-87603-0 |
| | Edizione | [1st ed. 2008.] |
| | Descrizione fisica | 1 online resource (XII, 384 p.) |
| | Collana | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5238 |
| | Classificazione | 54.10 DAT 550f SS 4800 004 |
| | Disciplina | 005.12 |
| | Soggetti | Software engineering Computer science Machine theory Compilers (Computer programs) Database management Software Engineering Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory |

Compilers and Interpreters

Database Management

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| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | <p>1. ABZ Invited Talks -- Complex Hardware Modules Can Now be Made Free of Functional Errors without Sacrificing Productivity -- The High Road to Formal Validation: -- Modeling Workflows, Interaction Patterns, Web Services and Business Processes: The ASM-Based Approach -- Refinement of State-Based Systems: ASMs and Big Commuting Diagrams (Abstract) -- 2. ASM Papers -- Model Based Refinement and the Tools of Tomorrow -- A Concept-Driven Construction of the Mondex Protocol Using Three Refinements -- A Scenario-Based Validation Language for ASMs -- Data Flow Analysis and Testing of Abstract State Machines -- A Verified AsmL Implementation of Belief Revision -- Direct Support for Model Checking Abstract State Machines by Utilizing Simulation -- 3. B Papers -- On the Purpose of Event-B Proof Obligations -- Generating Tests from B Specifications and Test Purposes -- Combining Scenario- and Model-Based Testing to Ensure POSIX Compliance -- UseCase-Wise Development: Retrenchment for Event-B -- Towards Modelling Obligations in Event-B -- A Practical Single Refinement Method for B -- The Composition of Event-B Models -- Reconciling Axiomatic and Model-Based Specifications Reprised -- A Verifiable Conformance Relationship between Smart Card Applets and B Security Models -- Modelling Attacker's Knowledge for Cascade Cryptographic Protocols -- Using EventB to Create a Virtual Machine Instruction Set Architecture -- 4. Z Papers -- Z2SAL - Building a Model Checker for Z -- Formal Modeling and Analysis of a Flash Filesystem in Alloy -- Unit Testing of Z Specifications -- Autonomous Objects and Bottom-Up Composition in ZOO Applied to a Case Study of Biological Reactivity -- 5. ABZ Short Papers -- Integrating Z into Large Projects Tools and Techniques -- A First Attempt to Express KAOS Refinement Patterns with Event B -- Verification and Validation of Web Service Composition Using Event B Method -- Stability of Real-Time Abstract State Machines under Desynchronization -- XML Database Transformations with Tree Updates -- Dynamic Resource Configuration & Management for Distributed Information Fusion in Maritime Surveillance -- UML-B: A Plug-in for the Event-B Tool Set -- BART: A Tool for Automatic Refinement -- Model Checking Event-B by Encoding into Alloy -- A Roadmap for the Rodin Toolset -- Exploiting the ASM Method for Validation & Verification of Embedded Systems -- Tool Support for the Circus Refinement Calculus -- Separation of Z Operations -- BSmart: A Tool for the Development of Java Card Applications with the B Method -- From ABZ to Cryptography -- Using ASM to Achieve Executability within a Family of DSL -- Using Satisfiability Modulo Theories to Analyze Abstract State Machines (Abstract) -- Formal Verification of ASM Models Using TLA₊ -- DIR 41 Case Study -- FDIR Architectures for Autonomous Spacecraft: Specification and Assessment with Event-B -- Object Modelling in the SystemB Industrial Project -- 6. VSR Day -- Splitting Atoms with Rely/Guarantee Conditions Coupled with Data Reification -- ABZ2008</p> |

Sommario/riassunto

This book constitutes the refereed proceedings of the First International Conference of Abstract State Machines, B and Z, ABZ 2008, held in London, UK, in September 2008. The conference simultaneously incorporated the 15th International ASM Workshop, the 17th International Conference of Z Users and the 8th International Conference on the B Method. The 44 revised full papers presented together with 4 invited contributions were carefully reviewed and selected from numerous submissions. The conference fosters the cross-fertilization of three rigorous methods for the design and analysis of hardware and software systems - both in academia and industry - namely Abstract State Machines, B, and Z. Covering a wide range of research spanning from theoretical and methodological foundations to tool support and practical applications, the contributions are organized in topical sections on abstract state machines, B papers, Z papers, ABZ short papers, and the papers of the Verified Software Repository Network (VSR-net) workshop.
