

Concurrency State Models Java Programs

Software Language Engineering Behavioral Modeling for Embedded Systems and Technologies: Applications for Design and Implementation Model Checking Software Security Compliance in Model-driven Development of Software Systems in Presence of Long-Term Evolution and Variants Java Programming Concurrency ECAI 2002 Model-Driven Engineering Languages and Systems Concurrency ECAI 2000 Object-Oriented Discrete-Event Simulation with Java The Fourth International Conference/Exhibition on High-Performance Computing in the Asia-Pacific Region, Beijing, China, May 14-17, 2000 Automatic Test-case Generation from Formal Models of Software Java Programming Verification, Model Checking, and Abstract Interpretation Model Checking Software Tools and Algorithms for the Construction and Analysis of Systems Programming Models for Massively Parallel Computers Applications of High-performance Computing in Engineering VIKI ... Mark van den Brand Gomes, Luís Patrick Godefroid Sven Matthias Peldszus Joe Wigglesworth Jeff Magee Frank Van Harmelen Juergen Dingel Jeff Magee European Coordinating Committee for Artificial Intelligence José M. Garrido Sanjai Rayadurgam Poornachandra Sarang M. S. Ingber

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this book constitutes the thoroughly refereed post conference proceedings of the second international conference on software language engineering sle 2009 held in denver co usa in october 2009 the 15 revised full papers and 6 revised short paper presented together with 2 tool demonstration papers were carefully reviewed and selected from 75 initial submissions the papers are organized in topical sections on language and model evolution variability and product lines parsing compilation and demo modularity in languages and metamodeling and demo

this book provides innovative behavior models currently used for developing embedded systems accentuating on graphical and visual notations provided by publisher

this volume contains the proceedings of the 12th international spin workshop on model checking of software held in san francisco usa on august 22 24 2005

for ensuring a software system s security it is vital to keep up with changing security precautions attacks and mitigations although model based development enables addressing security already at design time design models are often inconsistent with the implementation or among themselves an additional burden are variants of software systems to ensure security in this context we present an approach based on continuous automated change propagation allowing security experts to specify security requirements on the most suitable system representation we automatically check all system representations against these requirements and provide security preserving refactorings for preserving security compliance for both we show the application to variant rich software systems to support legacy systems we allow to reverse engineer variability aware uml models and semi automatically map existing design models to the implementation besides evaluations of the individual contributions we demonstrate the approach in two open source case studies theitrust electronics health records system and the eclipse secure storage

this highly anticipated thoroughly updated revision incorporates exciting changes and updates and is perfect for a second course in java this new edition now begins where a first course leaves off and includes advanced topics such as javabeans enterprise javabeans network programming j2ee features and security all concepts are reinforced through code examples sample programs and exercises take your java programming skills to the next level with this text

designed to give students hands on design and programming experience this book provides a motivational learning package for a fascinating area of software design

this volume contains the 137 papers accepted for presentation at the 15th european conference on artificial intelligence ecai 02 which is organized by the european co ordination committee on artificial intelligence

this book constitutes the refereed proceedings of the 17th international conference on model driven engineering languages and systems models 2014 held in valencia spain in september october 2014 the 41 full papers presented in this volume were carefully reviewed and selected from a total of 126 submissions the scope of the conference series is broad encompassing modeling languages methods tools and applications considered from theoretical and practical angles and in academic and industrial settings the papers report on the use of modeling in a wide range of cloud mobile and web computing model transformation behavioral modeling mde past present future formal semantics specification and verification models at runtime feature and variability modeling composition and adaptation practices and experience modeling for analysis pragmatics model extraction manipulation and persistence querying and reasoning

concurrency provides a thoroughly updated approach to the basic concepts and techniques behind concurrent programming concurrent programming is complex and demands a much more formal approach than sequential programming

this volume covers the whole spectrum of artificial intelligence including knowledge representation

automated reasoning constraint based reasoning machine learning autonomous agents human language technology planning vision and robotics and ai aspects of uncertainty and of creativity the book further includes contributions on innovative application all contributions are peer reviewed by an international programme committee

researches and developers of simulation models state that the java programming language presents a unique and significant opportunity for important changes in the way we develop simulation models today the most important characteristics of the java language that are advantageous for simulation are its multi threading capabilities its facilities for executing programs across the and its graphics facilities it is feasible to develop compatible and reusable simulation components that will facilitate the construction of newer and more complex models this is possible with java development environments another important trend that begun very recently is web based simulation i e and the execution of simulation models using internet browser software this book introduces the application of the java programming language in discrete event simulation in addition the fundamental concepts and practical simulation techniques for modeling different types of systems to study their general behavior and their performance are introduced the approaches applied are the process interaction approach to discrete event simulation and object oriented modeling java is used as the implementation language and uml as the modeling language the first offers several advantages compared to c the most important being thread handling graphical user interfaces gui and computing the second language uml unified modeling language is the standard notation used today for modeling systems as a collection of classes class relationships objects and object behavior

develop compile and debug high performance java applications

the proceedings of the sixth international conference on applications of high performance computing in engineering

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