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Model Driven Engineering Languages and Systems - Krzysztof Czarnecki 2008-09-22
MODELS2008 was the 11th edition of the series of conferences on Model-Driven Engineering Languages and Systems. The conference was held in Toulouse, France, during the week of September 28 to October 3, 2008. The local arrangements were provided by the Institut de

Recherche en Informatique de Toulouse (IRIT). The conference program included three keynote presentations, technical - per presentations, two panels, and several workshops and tutorials. The invited keynote speakers were Don Batory (University of Texas, USA), Je? Kramer (Imperial College London, UK), and Patrick Rauhut (Airbus, Germany).

This volume contains the final versions of the papers accepted for presentation at the conference. The papers cover a wider range of topics from the field including model transformation, model management, domain-specific modeling, modeling language semantics, model analysis, and applications. We received a record number of 271 full paper submissions from 40 different countries. Of these, 43 papers were submitted by authors from more than one country. The top three countries submitting papers were France (40), Germany (38), and Canada (24). A total of 58 papers were accepted for inclusion in the proceedings. The acceptance rate was therefore 21%, which is somewhat lower than those of the previous MODELS conferences. At least three Program Committee or Expert Reviewer Panel members - viewed each paper. Reviewing was thorough, and most authors received detailed comments on their submissions. Conflicts of interest were taken very seriously. No one participated in any way in the

decision process of any paper where a conflict of interest was identified. In particular, PC members who submitted papers did not have access to information concerning the reviews of their papers.

Model Driven Engineering for Distributed Real-Time Embedded Systems 2009 - Jean-Philippe Babau 2013-03-01

Model-based development methods, and supporting technologies, can provide the techniques and tools needed to address the dilemma between reducing system development costs and time, and developing increasingly complex systems. This book provides the information needed to understand and apply model-driven engineering (MDE) and model-driven architecture (MDA) approaches to the development of embedded systems. Chapters, written by experts from academia and industry, cover topics relating to MDE practices and methods, as well as emerging MDE technologies. Much of the writing is based on the

presentations given at the Summer School “MDE for Embedded Systems” held at Brest, France, in September 2004.

Real-Time Simulation Technologies: Principles, Methodologies, and Applications - Katalin

Popovici 2017-12-19

Real-Time Simulation Technologies: Principles, Methodologies, and Applications is an edited compilation of work that explores fundamental concepts and basic techniques of real-time simulation for complex and diverse systems across a broad spectrum. Useful for both new entrants and experienced experts in the field, this book integrates coverage of detailed theory, acclaimed methodological approaches, entrenched technologies, and high-value applications of real-time simulation—all from the unique perspectives of renowned international contributors. Because it offers an accurate and otherwise unattainable assessment of how a system will behave over a particular time frame, real-time simulation is increasingly critical to the

optimization of dynamic processes and adaptive systems in a variety of enterprises. These range in scope from the maintenance of the national power grid, to space exploration, to the development of virtual reality programs and cyber-physical systems. This book outlines how, for these and other undertakings, engineers must assimilate real-time data with computational tools for rapid decision making under uncertainty. Clarifying the central concepts behind real-time simulation tools and techniques, this one-of-a-kind resource: Discusses the state of the art, important challenges, and high-impact developments in simulation technologies Provides a basis for the study of real-time simulation as a fundamental and foundational technology Helps readers develop and refine principles that are applicable across a wide variety of application domains As science moves toward more advanced technologies, unconventional design approaches, and unproven regions of the design space,

simulation tools are increasingly critical to successful design and operation of technical systems in a growing number of application domains. This must-have resource presents detailed coverage of real-time simulation for system design, parallel and distributed simulations, industry tools, and a large set of applications.

Model Driven Engineering Languages and Systems - Dorina C. Petriu 2010-09-21

The MODELS series of conferences is the premier venue for the exchange of -novative technical ideas and experiences focusing on a very important new technical discipline: model-driven software and systems engineering. The expansion of this discipline is a direct consequence of the increasing significance and success of model-based methods in practice. Numerous efforts resulted in the invention of concepts, languages and tools for the definition, analysis, transformation, and verification of domain-

specific modeling languages and general-purpose modeling language standards, as well as their use for software and systems engineering. MODELS 2010, the 13th edition of the conference series, took place in Oslo, Norway, October 3-8, 2010, along with numerous satellite workshops, symposia and tutorials. The conference was fortunate to have three prominent keynote speakers: Ole Lehrmann Madsen (Aarhus University, Denmark), Edward A. Lee (UC Berkeley, USA) and Pamela Zave (AT&T Laboratories, USA). To provide a broader forum for reporting on scientific progress as well as on experience stemming from practical applications of model-based methods, the 2010 conference accepted submissions in two distinct tracks: Foundations and Applications. The primary objective of the first track is to present new research results dedicated to advancing the state-of-the-art of the discipline, whereas the second aims to provide a realistic and verifiable picture of the current state-- the practice of

model-based engineering, so that the broader community could be better informed of the capabilities and successes of this relatively young discipline. This volume contains the final version of the papers accepted for presentation at the conference from both tracks.

Innovations in Bio-Inspired Computing and Applications - Václav Snášel 2015-12-14

This Volume contains the papers presented during the 6th International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2015 which was held in Kochi, India during December 16-18, 2015. The 51 papers presented in this Volume were carefully reviewed and selected. The 6th International Conference IBICA 2015 has been organized to discuss the state-of-the-art as well as to address various issues in the growing research field of Bio-inspired Computing which is currently one of the most exciting research areas, and is continuously demonstrating exceptional strength in solving complex real life

problems. The Volume will be a valuable reference to researchers, students and practitioners in the computational intelligence field..

Graph Transformation, Specifications, and Nets - Reiko Heckel 2018-02-06

This volume pays tribute to the scientific achievements of Hartmut Ehrig, who passed away in March 2016. The contributions represent a selection from a symposium, held in October 2016 at TU Berlin, commemorating Hartmut's life and work as well as other invited papers in the areas he was active in. These areas include Graph Transformation, Model Transformation, Concurrency Theory, in particular Petri Nets, Algebraic Specification, and Category Theory in Computer Science.

Advanced Information Systems Engineering - Barbara Pernici 2010-06-26

This book constitutes the proceedings of the 22nd International Conference on Advanced Information Systems Engineering, CAiSE 2010,

held in Hammamet, Tunisia, in June 2010. The 39 papers presented were carefully reviewed and selected from 299 submissions. The topics covered are business process modeling, information systems quality, service modelling, security management, matching and mining, case studies and experiences, conceptual modelling, adaptation, requirements, and process analysis. In addition this volume contains two keynote papers and the abstract of a panel discussion.

**Model-Driven Software Development:
Integrating Quality Assurance** - Rech, Jürg
2008-08-31

Covers important concepts, issues, trends, methodologies, and technologies in quality assurance for model-driven software development.

**Handbook of Research on Software
Engineering and Productivity Technologies:
Implications of Globalization** -
Ramachandran, Muthu 2009-08-31

"This book provides integrated chapters on software engineering and enterprise systems focusing on parts integrating requirements engineering, software engineering, process and frameworks, productivity technologies, and enterprise systems"--Provided by publisher.

**Handbook of Software Engineering and
Knowledge Engineering** - S K Chang
2001-12-27

This is the first handbook to cover comprehensively both software engineering and knowledge engineering — two important fields that have become interwoven in recent years. Over 60 international experts have contributed to the book. Each chapter has been written in such a way that a practitioner of software engineering and knowledge engineering can easily understand and obtain useful information. Each chapter covers one topic and can be read independently of other chapters, providing both a general survey of the topic and an in-depth exposition of the state of the art. Practitioners

will find this handbook useful when looking for solutions to practical problems. Researchers can use it for quick access to the background, current trends and most important references regarding a certain topic. The handbook consists of two volumes. Volume One covers the basic principles and applications of software engineering and knowledge engineering. Volume Two will cover the basic principles and applications of visual and multimedia software engineering, knowledge engineering, data mining for software knowledge, and emerging topics in software engineering and knowledge engineering.

Model Driven Architecture - Foundations and Applications - Richard F. Paige 2009-06-23

The 7th edition of the European Conference on Model-Driven Architecture Foundations and Applications (ECMDA-FA 2009) was dedicated to furthering the state of knowledge and fostering the industrialization of Model-Driven Architecture (MDA) and Model-Driven Engineering (MDE).

MDA is an initiative proposed by the Object Management Group for platform-generic systems development; MDA is one of a class of approaches under the umbrella of MDE. MDE and MDA promote the use of models in the specification, design, analysis, synthesis, deployment, and evolution of complex software systems. It is a pleasure to be able to introduce the proceedings of ECMDA-FA 2009. ECMDA-FA 2009 addressed various MDA areas including model transformations, modelling language issues, modelling of behavior and time, traceability and scalability, model-based embedded systems engineering, and the application of model-driven development to IT and networking systems. ECMDA-FA 2009 focused on engaging key European and international researchers and practitioners in a dialogue which will result in a stronger, more efficient industry, producing more reliable software on the basis of state-of-the-art research results. ECMDA-FA is a forum for exchanging

information, discussing the latest results and arguing about future developments of MDA and MDE. Particularly, it is one of the few venues that engages both leading academic researchers and industry practitioners, with the intent of creating synergies.

Modelling Foundations and Applications - Jordi Cabot 2014-07-10

This book constitutes the proceedings of the 10th European Conference on Modelling Foundations and Applications, ECMFA 2014, held as part of STAF 2014, in York, UK, in July 2014. The 14 foundation track papers and the 3 applications track papers presented in this volume were carefully reviewed and selected from 58 submissions. They are on all aspects of MDE, including topics such as model provenance; model transformations and code generation; model synthesis; model-driven testing; formal modeling approaches; business modeling; and usability of models.

SOFSEM 2018: Theory and Practice of

Computer Science - A Min Tjoa 2018-01-12

This book constitutes the refereed proceedings of the 44th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2018, held in Krems, Austria, in January/February 2018. The 48 papers presented in this volume were carefully reviewed and selected from 97 submissions. They were organized in topical sections named: foundations of computer science; software engineering: advances methods, applications, and tools; data, information and knowledge engineering; network science and parameterized complexity; model-based software engineering; computational models and complexity; software quality assurance and transformation; graph structure and computation; business processes, protocols, and mobile networks; mobile robots and server systems; automata, complexity, completeness; recognition and generation; optimization, probabilistic analysis, and sorting; filters, configurations, and picture encoding;

machine learning; text searching algorithms; and data model engineering.

Handbook Of Software Engineering And Knowledge Engineering, Vol 3: Recent Advances - Shi-kuo Chang 2005-08-25

The book covers the recent new advances in software engineering and knowledge engineering. It is intended as a supplement to the two-volume handbook of software engineering and knowledge engineering. The editor and authors are well-known international experts in their respective fields of expertise. Each chapter in the book is entirely self-contained and gives in-depth information on a specific topic of current interest. This book will be a useful desktop companion for both practitioners and students of software engineering and knowledge engineering.

Software Applications: Concepts, Methodologies, Tools, and Applications -

Tiako, Pierre F. 2009-03-31

Includes articles in topic areas such as

autonomic computing, operating system architectures, and open source software technologies and applications.

Model Driven Engineering Languages and Systems - Robert B. France 2012-09-19

This book constitutes the refereed proceedings of the 15th International Conference on Model Driven Engineering Languages and Systems, MODELS 2012, held in Innsbruck, Austria, in September/October 2012. The 50 papers presented in this volume were carefully reviewed and selected from a total of 181 submissions. They are organized in topical sections named: metamodels and domain specific modeling; models at runtime; model management; modeling methods and tools, consistency analysis, software product lines; foundations of modeling; static analysis techniques; model testing and simulation; model transformation; model matching, tracing and synchronization; modeling practices and experience; and model analysis.

Recent Trends in Algebraic Development Techniques - Martin Wirsing 2003-11-24

This book constitutes the thoroughly refereed post-proceedings of the 16th International Workshop on Algebraic Development Techniques, WADT 2002, held at Frauenchiemsee, Germany in September 2002. The 20 revised full papers presented together with 6 invited papers were carefully improved and selected from 44 workshop presentations during two rounds of reviewing. The papers are devoted to topics like formal methods for system development, specification languages and methods, systems and techniques for reasoning about specifications, specification development systems, methods and techniques for concurrent, distributed, and mobile systems, and algebraic and co-algebraic methods.

Software Language Engineering - Brian Malloy 2011-02-18

This book constitutes the thoroughly refereed post-proceedings of the Third International

Conference on Software Language Engineering, SLE 2010, held in Eindhoven, The Netherlands, in October 2010. The 24 papers presented were carefully reviewed and selected from 79 submissions. The book also contains the abstracts of two invited talks. The papers are grouped in topical sections on grammarware, metamodeling, evolution, programming, and domain-specific languages. The short papers and demos included deal with modeling and transformations and translations.

ICT in Education, Research, and Industrial Applications - Vadim Ermolayev 2013-01-11

This book constitutes the refereed proceedings of the 8th International Conference on ICT in Education, Research, and Industrial Applications, held in Kherson, Ukraine, in June 2012. The 14 revised full papers were carefully reviewed and selected from 70 submissions. This book begins with an invited contribution presenting the substance of one of ICTERI 2012 invited talks. The chapter deals with the issues

of abstraction and verification of properties in real-time Java programs. The rest of the volume is structured in four topical parts: ICT Frameworks, Infrastructures, Integration, and Deployment; Formal Logic and Knowledge-Based Frameworks; ICT-Based Systems Modeling, Specification, and Verification: ICT in Teaching and Learning.

Model Driven Engineering Languages and Systems - Oscar Nierstrasz 2006-11-23

This book constitutes the refereed proceedings of the 9th International Conference on Model Driven Engineering Languages and Systems (formerly UML conferences), MoDELS 2006. The book presents 51 revised full papers and 2 invited papers. Discussion is organized in topical sections on evaluating UML, MDA in software development, concrete syntax, applying UML to interaction and coordination, aspects, model integration, formal semantics of UML, security, model transformation tools and implementation, and more.

Emerging Technologies for the Evolution and Maintenance of Software Models - Rech, Jörg 2011-12-31

Model-driven software development drastically alters the software development process, which is characterized by a high degree of innovation and productivity. *Emerging Technologies for the Evolution and Maintenance of Software Models* contains original academic work about current research and research projects related to all aspects affecting the maintenance, evolution, and reengineering (MER), as well as long-term management, of software models. The mission of this book is to present a comprehensive and central overview of new and emerging trends in software model research and to provide concrete results from ongoing developments in the field.

Agent-Oriented Software Engineering IX - Michael Luck 2009-04-22

Software architectures that contain many dynamically interacting components, each with its own thread of control, engaging in complex

coordination protocols, are difficult to correctly and efficiently engineer. Agent-oriented modelling techniques are important for the design and development of such applications. This book provides a diverse and interesting overview of the work that is currently being undertaken by a growing number of researchers in the area of Agent-Oriented Software Engineering. The papers represent a state-of-the-art report of current research in this field, which is of critical importance in facilitating industry take-up of powerful agent technologies. This volume constitutes the thoroughly refereed post-conference proceedings of the 9th International Workshop on Agent-Oriented Software Engineering, AOSE 2008, held in Estoril, Portugal, in May 2008 as part of AAMAS 2008. The 20 revised full papers were carefully selected from 50 initial submissions during two rounds of reviewing and improvement. The papers have been organized into four sections on: multi-agent organizations, method

engineering and software development processes, testing and debugging, as well as tools and case studies.

Modelling -- Foundation and Applications -

Robert B. France 2011-06-11

This book constitutes the refereed proceedings of the 7th European Conference on Modelling Foundations and Applications, held in Birmingham, UK, in June 2011. The 19 revised full foundations track papers and 5 revised full applications track papers presented were carefully reviewed and selected from 61 submissions; also included are 5 workshop summaries and abstracts of 4 tutorials. The papers are organized in topical sections on model execution, model analysis, methodology, model management, model transformation, variability analysis and ADLs, and domain-specific modeling.

Software Evolution with UML and XML - Hongji Yang 2005-01-01

This title provides a forum where expert insights

are presented on the subject of linking three current phenomena: software evolution, UML and XML.

Modelling Foundations and Applications - Antonio Vallecillo 2012-06-22

This book constitutes the refereed proceedings of the 8th European Conference on Modelling Foundations and Applications, held in Kgs. Lyngby, Denmark, in July 2012. The 20 revised full foundations track papers and 10 revised full applications track papers presented were carefully reviewed and selected from 81 submissions. Papers on all aspects of MDE were received, including topics such as architectural modelling and product lines, code generation, domain-specific modeling, metamodeling, model analysis and verification, model management, model transformation and simulation. The breadth of topics, as well as the high quality of the results presented in these accepted papers, demonstrate the maturity and vibrancy of the field.

Models in Software Engineering - Sudipto Ghosh 2010-04-07

This book constitutes a collection of the best papers selected from 9 workshops and 2 symposia held in conjunction with MODELS 2009, the 12 International Conference on Model Driven Engineering Languages and Systems, in Denver, CO, USA, in October 2009. The first two sections contain selected papers from the Doctoral Symposium and the Educational Symposium, respectively. The other contributions are organized according to the workshops at which they were presented: 2nd International Workshop on Model Based Architecting and Construction of Embedded Systems (ACES-MB'09); 14th International Workshop on Aspect-Oriented Modeling (AOM); Models@run.time (Models@run.time); Model-driven Engineering, Verification, and Validation: Integrating Verification and Validation in MDE (MoDeVva09); Models and Evolution (MoDSE-MCCM); Third International Workshop on Multi-

Paradigm Modeling (MPM09); The Pragmatics of OCL and Other Textual Specification Languages (OCL); 2nd International Workshop on Non-Functional System Properties in Domain Specific Modeling Languages (NFPinDSML); and 2nd Workshop on Transformation and Weaving OWL Ontologies and MDE/MDA (TWOMDE2009). Each section includes a summary of the workshop.

Handbook of Software Engineering and Knowledge Engineering - Shi Kuo Chang 2001

This is the first handbook to cover comprehensively both software engineering and knowledge engineering OCo two important fields that have become interwoven in recent years. Over 60 international experts have contributed to the book. Each chapter has been written in such a way that a practitioner of software engineering and knowledge engineering can easily understand and obtain useful information. Each chapter covers one topic and can be read independently of other chapters, providing both

a general survey of the topic and an in-depth exposition of the state of the art. Practitioners will find this handbook useful when looking for solutions to practical problems. Researchers can use it for quick access to the background, current trends and most important references regarding a certain topic. The handbook consists of two volumes. Volume One covers the basic principles and applications of software engineering and knowledge engineering. Volume Two will cover the basic principles and applications of visual and multimedia software engineering, knowledge engineering, data mining for software knowledge, and emerging topics in software engineering and knowledge engineering. Sample Chapter(s). Chapter 1.1: Introduction (97k). Chapter 1.2: Theoretical Language Research (97k). Chapter 1.3: Experimental Science (96k). Chapter 1.4: Evolutionary Versus Revolutionary (108k). Chapter 1.5: Concurrency and Parallelisms (232k). Chapter 1.6: Summary (123k). Contents:

Computer Language Advances (D E Cooke et al.); Software Maintenance (G Canfora & A Cimitile); Requirements Engineering (A T Berztiss); Software Engineering Standards: Review and Perspectives (Y-X Wang); A Large Scale Neural Network and Its Applications (D Graupe & H Kordylewski); Software Configuration Management in Software and Hypermedia Engineering: A Survey (L Bendix et al.); The Knowledge Modeling Paradigm in Knowledge Engineering (E Motta); Software Engineering and Knowledge Engineering Issues in Bioinformatics (J T L Wang et al.); Conceptual Modeling in Software Engineering and Knowledge Engineering: Concepts, Techniques and Trends (O Dieste et al.); Rationale Management in Software Engineering (A H Dutoit & B Paech); Exploring Ontologies (Y Kalfoglou), and other papers. Readership: Graduate students, researchers, programmers, managers and academics in software engineering and knowledge engineering."

Software and Data Technologies - José Cordeiro
2013-01-04

This book constitutes the thoroughly refereed post-conference proceedings of the 5th International Conference on Software and Data Technologies, ICSOFT 2010, held in Athens, Greece, in July 2010. The 30 revised full papers presented together with 1 invited lecture were carefully reviewed and selected from a total of 410 submissions in two rounds of reviewing and improvement. The papers cover a wide range of topics and are organized in four general topical sections on healthinf, biodevices, biosignals, and bioinformatics.

Recent Trends in Algebraic Development Techniques - José Luiz Fiadeiro 2007-06-20

This book constitutes the thoroughly refereed postproceedings of the 18th International Workshop on Algebraic Development Techniques, WADT 2006, held in La Roche en Ardenne, Belgium, June 2006. The 10 revised full papers focus on the algebraic approach to the

specification and development of systems and address topics such as formal methods for system development, specification languages and methods, and distributed and mobile systems.

Model-Driven Engineering Languages and Systems - Ana Moreira 2013-09-20

This book constitutes the refereed proceedings of the 16th International Conference on Model Driven Engineering Languages and Systems, MODELS 2013, held in Miami, FL, USA, in September/October 2013. The 47 full papers presented in this volume were carefully reviewed and selected from a total of 180 submissions. They are organized in topical sections named: tool support; dependability; comprehensibility; testing; evolution; verification; product lines; semantics; domain-specific modeling languages; models@RT; design and architecture; model transformation; model analysis; and system synthesis.

Computer Systems and Software

Engineering: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2017-12-01
Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside computer applications to develop efficient and precise information databases. Computer Systems and Software Engineering: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as utility computing, computer security, and information systems applications, this multi-volume book is ideally designed for academicians, researchers, students, web designers, software developers, and

practitioners interested in computer systems and software engineering.

Graph Transformations and Model-Driven Engineering - Gregor Engels 2010-11-22

This festschrift volume, published in honor of Manfred Nagl on the occasion of his 65th birthday, contains 30 refereed contributions, that cover graph transformations, software architectures and reengineering, embedded systems engineering, and more.

Formal Methods and Software Engineering - Shengchao Qin 2011-10-12

This book constitutes the refereed proceedings of the 13th International Conference on Formal Engineering Methods, ICFEM 2011, held in Durham, UK, October 2011. The 40 revised full papers together with 3 invited talks presented were carefully reviewed and selected from 103 submissions. The papers address all current issues in formal methods and their applications in software engineering. They are organized in topical sections on formal models; model

checking and probability; specification and development; security; formal verification; cyber physical systems; event-B; verification, analysis and testing; refinement; as well as theorem proving and rewriting.

Computational Science and Its Applications - ICCSA 2009 - Osvaldo Gervasi 2009-07-09

The two-volume set LNCS 5592 and 5593 constitutes the refereed proceedings of the International Conference on Computational Science and Its Applications, ICCSA 2009, held in Seoul, Korea, in June/July, 2009. The two volumes contain papers presenting a wealth of original research results in the field of computational science, from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques. The topics of the fully refereed papers are structured according to the five major conference themes: computational methods, algorithms and scientific applications, high performance

technical computing and networks, advanced and emerging applications, as well as information systems and information technologies. Moreover, submissions from more than 20 workshops and technical sessions contribute to this publication. These cover topics such as geographical analysis, urban modeling, spatial statistics, wireless and ad hoc networking, logical, scientific and computational aspects of pulse phenomena in transitions, high-performance computing and information visualization, sensor network and its applications, molecular simulations structures and processes, collective evolutionary systems, software engineering processes and applications, molecular simulations structures and processes, internet communication security, security and privacy in pervasive computing environments, and mobile communications.

Formal Specification Level - Mathias Soeken
2014-11-12

This book introduces a new level of abstraction

that closes the gap between the textual specification of embedded systems and the executable model at the Electronic System Level (ESL). Readers will be enabled to operate at this new, Formal Specification Level (FSL), using models which not only allow significant verification tasks in this early stage of the design flow, but also can be extracted semi-automatically from the textual specification in an interactive manner. The authors explain how to use these verification tasks to check conceptual properties, e.g. whether requirements are in conflict, as well as dynamic behavior, in terms of execution traces.

Advanced Information Systems Engineering Workshops - Marko Bajec 2012-07-04

This book constitutes the thoroughly refereed proceedings of eight international workshops held in Gdańsk, Poland, in conjunction with the 24th International Conference on Advanced Information Systems Engineering, CAiSE 2012, in June 2012. The 35 full and 17 short revised

papers were carefully selected from 104 submissions. The eight workshops were Agility of Enterprise Systems (AgilES), Business/IT Alignment and Interoperability (BUSITAL), Enterprise and Organizational Modeling and Simulation (EOMAS), Governance, Risk and Compliance (GRCIS), Human-Centric Process-Aware Information Systems (HC-PAIS), System and Software Architectures (IWSSA), Ontology, Models, Conceptualization and Epistemology in Social, Artificial and Natural Systems (ONTOSE), and Information Systems Security Engineering (WISSE).

Generative and Transformational Techniques in Software Engineering - Ralf Lämmel 2006-11-02

This tutorial book presents an augmented selection of material presented at the International Summer School on Generative and Transformational Techniques in Software Engineering, GTTSE 2005. The book comprises 7 tutorial lectures presented together with 8

technology presentations and 6 contributions to the participants workshop. The tutorials combine foundations, methods, examples, and tool support. Subjects covered include feature-oriented programming and the AHEAD tool suite; program transformation with reflection and aspect-oriented programming, and more. [Conceptual Modeling - ER 2005](#) - Christian Kop 2005-10-11

Conceptual modeling is fundamental to any domain where one must cope with complex real-world situations and systems because it fosters communication - tween technology experts and those who would bene?t from the application of those technologies. Conceptual modeling is the key mechanism for und- standing and representing the domains of information system and database - gineering but also increasingly for other domains including the new “virtual” e-environmentsandtheinformationsystemsthat supportthem.Theimportance of conceptual modeling in software engineering is evidenced by recent

interest in “model-driven architecture” and “extreme non-programming”. Conceptual modeling also plays a prominent role in various technical disciplines and in the social sciences. The Annual International Conference on Conceptual Modeling (referred to as the ER Conference) provides a central forum for presenting and discussing current research and applications in which conceptual modeling is the major emphasis. In keeping with this tradition, ER 2005, the 24th ER Conference, spanned the spectrum of conceptual modeling including research and practice in areas such as theories of concepts and ontologies underlying conceptual modeling, methods and tools for developing and communicating conceptual models, and techniques for transforming conceptual models into effective (information) system implementations. Moreover, new areas of conceptual modeling including Semantic Web services and the interdependencies of

conceptual modeling with knowledge-based, logical and linguistic theories and approaches were also addressed.

Advanced Information Systems Engineering

- Pascal van Eck 2009-05-25

This book constitutes the refereed proceedings of the 21st International Conference on Advanced Information Systems Engineering, CAiSE 2009, held in Amsterdam, The Netherlands, on June 8-12, 2009. The 36 papers presented in this book together with 6 keynote papers were carefully reviewed and selected from 230 submissions. The topics covered are model driven engineering, conceptual modeling, quality and data integration, goal-oriented requirements engineering, requirements and architecture, service orientation, Web service orchestration, value-driven modeling, workflow, business process modeling, and requirements engineering.

Software Engineering, Business Continuity, and Education - Tai-hoon Kim 2011-12-02

This book comprises selected papers of the International Conferences, ASEA, DRBC and EL 2011, held as Part of the Future Generation Information Technology Conference, FGIT 2011, in Conjunction with GDC 2011, Jeju Island, Korea, in December 2011. The papers presented

were carefully reviewed and selected from numerous submissions and focus on the various aspects of advances in software engineering and its Application, disaster recovery and business continuity, education and learning.