

Advances In Conceptual Modeling Challenges And Opportunities Er 2008 Workshops Cmlsa Ecdm Fp Uml M2as Rigim Secogis Wism Barcelona Spain Lecture Notes In Computer Science

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GARRETT CABRERA

CONCEPTUAL MODELING FOR NEW INFORMATION SYSTEMS TECHNOLOGIES

Springer

This book constitutes the refereed joint proceedings of eight international workshops held in conjunction with the 28th International Conference on Conceptual Modeling, ER 2009, in Gramado, Brazil, in November 2009. The 33 revised full papers presented were carefully reviewed and selected from 100 submissions. Topics addressed by the workshops are active conceptual modeling of learning (ACM-L), conceptual modeling in the large (CoMoL), evolving theories of conceptual modeling (ETheCoM), workshop on foundations and practices of UML (FP-UML), joint international workshop on metamodels, ontologies, semantic technologies, and information systems for the semantic web (MOST-ONISW), quality of information systems (QoS), requirements, Intentions and goals in conceptual modeling (RIGIM) and semantic and conceptual issues in geographic information systems (SeCoGIS).

Hamric & Hanson's Advanced Practice Nursing - E-Book IGI Global

This book focuses on recent developments in representational and processing aspects of complex data-intensive applications. Until recently, information systems have been designed around different business functions, such as accounts payable and inventory control. Object-oriented modeling, in contrast, structures systems around the data--the objects--that make up the various business functions. Because information about a particular function is limited to one place--to the object--the system is shielded from the effects of change. Object-oriented modeling also promotes better understanding of requirements, clear designs, and more easily maintainable systems. This book focuses on recent developments in representational and processing aspects of complex data-intensive applications. The chapters cover "hot" topics such as application behavior and consistency, reverse engineering, interoperability and collaboration between objects, and work-flow modeling. Each chapter contains a review of its subject, followed by object-oriented modeling techniques and methodologies that can be applied to real-life applications. Contributors F. Casati, S. Ceri, R. Cicchetti, L. M. L. Delcambre, E. F. Ecklund, D. W. Embley, G. Engels, J. M. Gagnon, R. Godin, M. Gogolla, L. Groenewegen, G. S. Jensen, G. Kappel, B. J. Krämer, S. W. Liddle, R. Missaoui, M. Norrie, M. P. Papazoglou, C. Parent, B. Perniei, P. Poncellet, G. Pozzi, M. Schrefl, R. T. Snodgrass, S. Spaccapietra, M. Stumptner, M. Teisseire, W. J. van den Heuvel, S. N. Woodfield

Advances in Conceptual Modeling. Recent Developments and New Directions Elsevier Health Sciences

This book constitutes the refereed proceedings of workshops, held at the 33rd International Conference on Conceptual Modeling, ER 2014, in Atlanta, GA, USA in October 2014. The 24 revised full and 6 short papers were carefully reviewed and selected out of 59 submissions and are presented together with 4 demonstrations. The papers are organized in sections related to the individual workshops: the First International Workshop on Enterprise Modeling, ENMO 2014; the Second International Workshop on Modeling and Management of Big Data, MoBiD 2014; the First International Workshop on Conceptual Modeling in Requirements and Business Analysis, MReBA 2014; the First International Workshop on Quality of Models and Models of Quality, QMMQ 2014; the 8th International Workshop on Semantic and Conceptual Issues in GIS, SeCoGIS 2014; and the 11th International Workshop on Web Information Systems Modeling, WISM 2014. The contributions cover a variety of topics in conceptual modeling, including requirements and enterprise modeling, modeling of big data, spatial conceptual modeling, exploring the quality of models, and issues specific to the design of web information systems.

HANDBOOK OF CONCEPTUAL MODELING

Springer Nature

This book constitutes the refereed proceedings of the 5th International Symposium on Stochastic Algorithms, Foundations and Applications, SAGA 2009, held in Sapporo, Japan, in October 2009. The 15 revised full papers presented together with 2 invited papers were carefully reviewed and selected from 22 submissions. The papers are organized in topical sections on learning, graphs, testing, optimization and caching, as well as stochastic algorithms in bioinformatics.

ADVANCES IN CONCEPTUAL MODELING

Springer

Covers comprehensive issues and challenges discovered through leading international XML database research.

Advanced Conceptual Modeling Techniques Springer

The objective of the workshops held in conjunction with ER 2002, the 21st International Conference on Conceptual Modeling, was to give participants the opportunity to present and discuss emerging hot topics, thus adding new perspectives to conceptual modeling. To meet this objective, we selected the following four workshops: - 2nd International Workshop on Evolution and Change in Data Management (ECDM 2002) - ER/IFIP8. 1 Workshop on Conceptual Modelling Approaches to Mobile - formation Systems Development (MobilMod 2002) - International Workshop on Conceptual Modeling Quality (IWCMQ 2002) - 3rd International Joint Workshop on Conceptual Modeling Approaches for E-business: a Web Service Perspective (eCOMO 2002) ER 2002 was organized so that there would be no overlap between the conference sessions and the workshops. This proceedings contains workshop papers that were revised by the authors following discussions during the conference. We are deeply indebted to the members of the organizing committees and program committees of these workshops for their hard work. July 2003 Antoni Olivé, Masatoshi Yoshikawa, and Eric S. K. Yu Workshop Co-chairs ER 2002 ECDM 2002 Change is a fundamental but sometimes neglected aspect of information and database systems. The management of evolution and change and the ability of database, information and knowledge-based systems to deal with change is an essential component in developing and maintaining truly useful systems. Many approaches to handling evolution and change have been proposed in various areas of data management, and this forum seeks to bring together researchers and practitioners from both more established areas and from emerging areas to look at this issue.

Advances in Conceptual Modeling - Challenges and Opportunities IGI Global

This book constitutes the refereed proceedings of the 24th International Conference on Advanced Information Systems Engineering, CAISE 2012, held in Gdansk, Poland, in June 2012. The 42 revised full papers, 2 full-length invited papers and 4 short tutorial papers, were carefully reviewed and selected from 297 submissions. The contributions have been grouped into the following topical sections: business process model analysis; service and component composition; language and models; system variants and configuration; process mining; ontologies; requirements and goal models; compliance; monitoring and prediction; services; case studies; business process design; feature models and product lines; and human factors.

ADVANCES IN CONCEPTUAL MODELING - CHALLENGING PERSPECTIVES

Advances in Conceptual Modeling - Applications and Challenges

This book constitutes the refereed proceedings of five workshops symposia, held at the 38th International Conference on Conceptual Modeling, ER 2019, in Salvador, Brazil, in November 2019. The 34 papers promote and disseminate research on theories of concepts underlying conceptual modeling, methods and tools for developing and communicating conceptual models, techniques for transforming conceptual models into effective implementations, and the impact of conceptual modeling techniques on databases, business strategies and information systems. The following workshops are included in this volume: Workshop on Conceptual Modeling, Ontologies and Metadata Management for FAIR Data (FAIR), 6th Workshop on Conceptual Modeling in Requirements Engineering and Business Analysis (MREBA), 2nd International Workshop on Empirical Methods in Conceptual Modeling (EmpER), 8th International Workshop on Modeling and Management of Big Data (MoBiD19), and 7th International Workshop on Ontologies and Conceptual Modelling (OntoCom).

ADVANCES IN ENTERPRISE ENGINEERING XII

Springer Nature

This book constitutes the refereed proceedings of the 39th International Conference on Conceptual Modeling, ER 2020, which was supposed to be held in Vienna, Austria, in November 2020, but the conference was held virtually due to the COVID-19 pandemic. The 28 full and 16 short papers were carefully reviewed and selected from 143 submissions. This event covers a wide range of topics, and the papers are organized in the following sessions: foundations of conceptual modeling; process mining and conceptual modeling; conceptual modeling of business rules and processes; modeling

chatbots, narratives and natural language; ontology and conceptual modeling; applications of conceptual modeling; schema design, evolution, NoSQL; empirical studies of conceptual modeling; networks, graphs and conceptual modeling; and conceptual modeling of complex and data-rich systems.

ADVANCED CONCEPTS IN NUCLEAR ENERGY RISK ASSESSMENT AND MANAGEMENT

Springer

This book constitutes the refereed joint proceedings of six international workshops held in conjunction with the 23rd International Conference on Conceptual Modeling, ER 2004, in Shanghai, China in November 2004. The 56 revised full papers presented were carefully reviewed and selected from 163 submissions. The papers are organized in topical sections on geographical conceptual modeling; spatial storage, indexing, and data consistency; spatial representation and spatial services; spatial queries and retrieval, Web information integration; Web information mining; conceptual models for Web information; Web information systems and Webservices; systems evolution support in conceptual modeling; temporal and evolution aspects in Internet-based information systems; schema evolution and versioning in data management; conceptual modeling of agents; agents applications; digital government systems; digital government technologies; e-business systems requirements engineering; and e-business processes and infrastructure.

Advances in Conceptual Modeling Springer Science & Business Media

This book constitutes the refereed proceedings of workshops, held at the 29th International Conference on Conceptual Modeling, ER 2010, in Vancouver, Canada, in November 2010. The 31 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in sections on the workshops Semantic and Conceptual Issues in GIS (SeCoGIS); Conceptual Modeling of Life Sciences Applications (CMLSA); Conceptual Modelling of Services (CMS); Active Conceptual Modeling of Learning (ACM-L); Web Information Systems Modeling (WISM); Domain Engineering (DE@ER); and Foundations and Practices of UML (FP-UML).

Advances in Conceptual Modeling - Challenging Perspectives Springer Science & Business Media

This book constitutes the refereed proceedings of workshops, held at the 31st International Conference on Conceptual Modeling, ER 2012, in Florence, Italy in October 2012. The 32 revised papers presented together with 6 demonstrations were carefully reviewed and selected from 84 submissions. The papers are organized in sections on the workshops CMS 2012, EDCM-NoCoDa, MODIC, MORE-BI, RIGIM, SeCoGIS and WISM. The workshops cover different conceptual modeling topics, from requirements, goal and service modeling, to evolution and change management, to non-conventional data access, and they span a wide range of domains including Web information systems, geographical information systems, business intelligence, data-intensive computing.

Advances in Conceptual Modeling-challenging Perspectives Springer

The five digital forces (mobility and pervasive computing, cloud, big data, artificial intelligence and robotics, and social media) are poised to bring great academic and industrial breakthroughs. All stakeholders want to understand how to best harness these forces to their advantage. While literature exists for understanding each force independently, there is a lack of knowledge on how to utilize all the forces together to realize future enterprises. *Advanced Digital Architectures for Model-Driven Adaptive Enterprises* is an essential reference source that explores the potential in unifying the five digital forces to achieve increased levels of agility, efficiency, and scale. Featuring coverage on a wide range of topics including socio-technical systems, adaptive architectures, and enterprise modeling, this book is ideally designed for managers, executives, programmers, designers, computer engineers, entrepreneurs, tool builders, digital practitioners, researchers, academicians, and students at the graduate level.

Advances in Conceptual Modeling Springer Science & Business Media

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.

ADVANCES IN CONCEPTUAL MODELING

Demos Medical Publishing

Edited and written by a "Who's Who" of internationally known thought leaders in advanced practice nursing, Hamric and Hanson's *Advanced Practice Nursing: An Integrative Approach*, 7th Edition provides a clear, comprehensive, and contemporary introduction to advanced practice nursing today, addressing all major APRN competencies, roles, and issues. Thoroughly revised and updated, the 7th edition of this bestselling text covers topics ranging from the evolution of advanced practice nursing to evidence-based practice, leadership, ethical decision-making, and health policy. Coverage of the full breadth of APRN core competencies defines and describes all competencies, including direct clinical practice, guidance and coaching, evidence-based practice, leadership, collaboration, and ethical practice. Operationalizes and applies the APRN core competencies to the major APRN roles: the Clinical Nurse Specialist, the Primary Care Nurse Practitioner, the Acute Care Nurse Practitioner (both adult-gerontology and pediatric), the Certified Nurse-Midwife, and the Certified Registered Nurse Anesthetist. Content on managing APRN environments addresses factors such as business planning and reimbursement; marketing, negotiating, and contracting; regulatory, legal, and credentialing requirements; health policy; and nursing outcomes and performance improvement research.

CONCEPTUAL MODELLING IN INFORMATION SYSTEMS ENGINEERING

Springer Nature

The objective of the workshops associated with ER 2001, the 20th International Conference on Conceptual Modeling, was to give participants the opportunity to present and discuss emerging hot topics, thus adding new perspectives to conceptual modeling. This, the 20th ER conference, the first

of the 21st century, was also the first one in Japan. The conference was held on November 27-30, 2001 at Yokohama National University with 192 participants from 31 countries. ER 2001 encompasses the entire spectrum of conceptual modeling, from theoretical aspects to implementations, including fundamentals, applications, and software engineering. In particular, ER 2001 emphasized e-business and reengineering. To meet this objective, we selected the following four topics and planned four international workshops: - International Workshop on Conceptual Modeling of Human/Organizational/Social Aspects of Manufacturing Activities (HUMACS 2001) Manufacturing enterprises have to confront a host of demands. The competitive climate, enhanced by communication and knowledge sharing, will require increasingly rapid responses to market forces. Customer demands for higher quality, better services, and lower cost will force manufacturers to reach new levels of flexibility and adaptability. Sophisticated customers will demand products customized to meet their needs. Industries have so far sought to cope with these challenges primarily through advances in traditional capital by installing more powerful hardware and software technology. Attention to the role of humans combined with organizational and social schemes in manufacturing has only been marginal. The workshop HUMACS 2001 aimed to challenge the relevance of this last point.

Advances in Conceptual Modeling Springer

Over the past 30 years, numerous concerns have been raised in the literature regarding the capability of static modeling approaches such as the event-tree (ET)/fault-tree (FT) methodology to adequately account for the impact of process/hardware/software/firmware/human interactions on nuclear power plant safety assessment, and methodologies to augment the ET/FT approach have been proposed. Often referred to as dynamic probabilistic risk/safety assessment (DPRA/DPSA) methodologies, which use a time-dependent phenomenological model of system evolution along with a model of its stochastic behavior to model for possible dependencies among failure events. The book contains a collection of papers that describe at existing plant level applicable DPRA/DPSA tools, as well as techniques that can be used to augment the ET/FT approach when needed. Contents: Shutdown Probabilistic Safety Assessment (Marko Čepin) Dynamic Probabilistic Risk Assessment Model Validation and Application -- Experience with ADS-IDAC, Version 2.0 (Kevin Coyne and Ali Mosleh) MCDet: A Tool for Integrated Deterministic Probabilistic Safety Analyses (Martina Kloos, Nadine Berner, Joerg Peschke and Josef Scheuer) Why Sequence Dynamics Matters in PSA: Checking Consistency of Probabilistic and Deterministic Analyses (J M Izquierdo, J Hortal, M Sánchez and E Meléndez) Level 2 Probabilistic Risk Assessment Using Dynamic Event Tree Analysis (Douglas M Osborn, Tunc Aldemir, Richard S Denning and Diego Mandelli) EDF Experience in Integrated Deterministic Probabilistic Safety Analysis for Risk Assessment (Valentin Rychkov) Offsite Power Reliability Assessment for Nuclear Power Plants: An Application of Dynamic Reliability to Power Systems (Pierre Henneaux and Pierre-Etienne Labeau) Stochastic Differential Equations in Dynamic Reliability (Vytyis Kopustinskas, Henrikas Pragarauskas and Juozas Augutis) Dynamic Event Tree Modeling of a Reactor Coolant Pump Seal LOCA (Kyle Metzroth, Richard Denning and Tunc Aldemir) Markov/Cell-to-Cell Mapping Technique for Stochastic Modeling of Dynamic Systems (Tunc Aldemir) Dynamic Flowgraph Methodology (DFM) Modeling of Nuclear and Advanced Technology System Risk and Reliability Scenarios (Sergio Guarro and Michael Yau) Dynamic Behavior of Nuclear Power Plant State Under Severe Accident Conditions: Analysis by the GO-FLOW Methodology and the Consideration of Loop Structures (Takeshi Matsuoka) Dynamic Accident Scenario Generation, Modeling and Post-Processing for the Integrated Deterministic and Probabilistic Safety Analysis of Nuclear Power Plants (Francesco Di Maio and Enrico Zio) Software Behavior Modeling for Dynamic Probabilistic Risk Assessment: Perspectives (C S Smidts) Readership: Graduate students, researchers and professionals in the field of nuclear engineering, risk analysis and reliability engineering. Keywords: Probabilistic Risk Assessment; Nuclear Energy; Nuclear Plant Reliability and Safety Review. Key Features: Except for PSAM, ESREL and PSA conference proceedings which may contain some relevant papers, the most recent review publication on similar topics is Proceedings of the International Workshop on Dynamic Reliability, C Smidts, T Aldemir (Eds.), The Center for Risk and Reliability, University of Maryland, USA (2007) In addition to capturing more recent developments, the proposed publication differs from 2007 publication by concentrating on nuclear energy and also containing papers on risk management. The book is a compilation of papers by almost all prominent researchers active in the field of dynamic probabilistic safety/risk.

Springer

This book constitutes the refereed proceedings of workshops, held at the 29th International Conference on Conceptual Modeling, ER 2010, in Vancouver, Canada, in November 2010. The 31 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in sections on the workshops Semantic and Conceptual Issues in GIS (SeCoGIS); Conceptual Modeling of Life Sciences Applications (CMLSA); Conceptual Modelling of Services (CMS); Active Conceptual Modeling of Learning (ACM-L); Web Information Systems Modeling (WISM); Domain Engineering (DE@ER); and Foundations and Practices of UML (FP-UML).

Advanced Information Systems Engineering IGI Global

This book constitutes the thoroughly refereed joint post-proceedings of four international workshops held in conjunction with the 21st International Conference on Conceptual Modeling, ER 2002, in Tampere, Finland in October 2002. The 38 revised full papers presented were carefully selected and improved during two rounds of reviewing and revision. The papers are organized in topical sections on management of time and changes in information systems; architectures, models, and tools for systems evolution; conceptual modeling approaches to mobile information systems development; quality of conceptual models; requirements and entity relationship models; class models and architectures; Web and interactive models; processes, models, and Web services; e-business methods and technologies; and success factors for conceptual modeling in e-business.

Advances in Conceptual Modeling Springer

This book compiles contributions from renowned researchers covering all aspects of conceptual modeling, on the occasion of Arne Sølvberg's 67th birthday. Friends of this pioneer in information systems modeling contribute their latest research results from such fields as data modeling, goal-oriented modeling, agent-oriented modeling, and process-oriented modeling. The book reflects the most important recent developments and application areas of conceptual modeling, and highlights trends in conceptual modeling for the next decade.

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