

Enterprise Information Systems Engineering

[#enterprise information systems engineering](#) [#information systems engineering](#) [#enterprise systems](#) [#systems engineering for business](#) [#enterprise architecture design](#)

Master Enterprise Information Systems Engineering. This field focuses on the strategic design, development, and management of robust information systems to optimize business operations, enhance efficiency, and achieve organizational goals. Essential for modern enterprise systems architecture.

All research content is formatted for clarity, reference, and citation.

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Enterprise Information Systems Design, Implementation and Management

"This book investigates the creation and implementation of enterprise information systems, covering a wide array of topics such as flow-shop scheduling, information systems outsourcing, ERP systems utilization, Dietz transaction methodology, and advanced planning systems"--Provided by publisher.

Enterprise Information Systems Engineering

The increasing penetration of IT in organizations calls for an integrative perspective on enterprises and their supporting information systems. MERODE offers an intuitive and practical approach to enterprise modelling and using these models as core for building enterprise information systems. From a business analyst perspective, benefits of the approach are its simplicity and the possibility to evaluate the consequences of modeling choices through fast prototyping, without requiring any technical experience. The focus on domain modelling ensures the development of a common language for talking about essential business concepts and of a shared understanding of business rules. On the construction side, experienced benefits of the approach are a clear separation between specification and implementation, more generic and future-proof systems, and an improved insight in the cost of changes. A first distinguishing feature is the method's grounding in process algebra provides clear criteria and practical support for model quality. Second, the use of the concept of business events provides a deep integration between structural and behavioral aspects. The clear and intuitive semantics easily extend to application integration (COTS software and Web Services). Students and practitioners are the book's main target audience, as both groups will benefit from its practical advice on how to create complete models which combine structural and behavioral views of a system-to-be and which can readily be transformed into code, and on how to evaluate the quality of those models. In addition, researchers in the area of conceptual or enterprise modelling will find a concise overview of the main findings related to the MERODE project. The work is complemented by a wealth of extra material on the author's web page at KU Leuven, including a free CASE tool with code generator, a collection of cases with solutions, and a set of domain modelling patterns that have been developed on the basis of the method's use in industry and government.

Enterprise Information Systems

This book includes a set of selected papers from the first "International Conference on Enterprise Information Systems," (ICEIS'99) held in Setúbal, Portugal, from 27 to 30 March 1999. ICEIS focuses on real world applications and aims at becoming a major point of contact between research scientists, engineers and practitioners in the area of business applications of information systems. This year four simultaneous tracks were held, covering different aspects related to enterprise computing, including: Systems Analysis and Specification, Database Technology and its Applications, Artificial Intelligence and Decision Support Systems, and Internet and Intranet Computing. Although ICEIS'99 received more than 200 submissions, only 96 papers were accepted for oral presentation and only 24 were selected for inclusion in this book. These numbers demonstrate stringent quality criteria and the intention of maintaining a high quality forum for future editions of this conference. A number of additional keynote lectures, case studies and technical tutorials were also held. These presentations, by specialists in different knowledge areas made an important contribution to increase the overall quality of the Conference, and are partially expressed in the first two papers of the book.

Enterprise Information Systems II

This book comprises the refereed papers together with the invited keynote papers, presented at the Second International Conference on Enterprise Information Systems. The conference was organised by the School of Computing at Staffordshire University, UK, and the Escola Superior de Tecnologia de Setúbal, Portugal, in cooperation with the British Computer Society and the International Federation for Information Processing, Working Group 8.1. The purpose of this 2nd International Conference was to bring together researchers, engineers and practitioners interested in the advances in and business applications of information systems. The papers demonstrate the vitality and vibrancy of the field of Enterprise Information Systems. The research papers included here were selected from among 143 submissions from 32 countries in the following four areas: Enterprise Database Applications, Artificial Intelligence Applications and Decision Support Systems, Systems Analysis and Specification, and Internet and Electronic Commerce. Every paper had at least two reviewers drawn from 10 countries. The papers included in this book were recommended by the reviewers. On behalf of the conference organising committee we would like to thank all the members of the Programme Committee for their work in reviewing and selecting the papers that appear in this volume. We would also like to thank all the authors who have submitted their papers to this conference, and would like to apologise to the authors that we were unable to include and wish them success next year.

Organizational Integration of Enterprise Systems and Resources: Advancements and Applications

The topic of Enterprise Information Systems (EIS) is having an increasingly relevant strategic impact on global business and the world economy, and organizations are undergoing hard investments in search of the rewarding benefits of efficiency and effectiveness that these ranges of solutions promise. Organizational Integration of Enterprise Systems and Resources: Advancements and Applications show that EIS are at the same time responsible for tremendous gains in some companies and tremendous losses in others. Therefore, their adoption should be carefully planned and managed. This title highlights new ways to identify opportunities and overcome trends and challenges of EIS selection, adoption, and exploitation as it is filled with models, solutions, tools, and case studies. The book provides researchers, scholars, and professionals with some of the most advanced research, solutions, and discussions of Enterprise Information Systems design, implementation, and management.

Enterprise Information Systems V

This book comprises a set of papers selected from those presented at the fifth « International Conference on Enterprise Information Systems », (ICEIS'2003) held in Angers, France, from 23 to 26 April 2003. The conference was organised by École Supérieure d'Électronique de l'Ouest (ESEO) of Angers, France and the Escola Superior de Tecnologia de Setúbal, Portugal. Since its first edition in 1999, ICEIS focuses on real world applications and aims at bringing together researchers, engineers and practitioners interested in the advances and business applications of information systems. As in previous years, ICEIS'2003 held four simultaneous tracks covering different aspects of enterprise computing: Databases and Information Systems Integration, Artificial Intelligence and Decision Support Systems, Information Systems Analysis and Specification and Software Agents and Internet Computing. Although ICEIS'2003 received 546 paper submissions from over 50 countries, only 80 were accepted as full papers and presented in 30-minutes oral presentations. With an acceptance rate of 15%, these numbers demonstrate the intention of preserving a high quality forum for future editions of

this conference. From the articles accepted as long papers for the conference, only 32 were selected for inclusion in this book. Additional keynote lectures, tutorials and industrial sessions were also held during ICEIS'2003, and, for the first time this year, the 1st Doctoral Consortium on Enterprise Information Systems gave PhD students an opportunity to present their work to an international audience of experts in the field of information systems.

Innovations in Enterprise Information Systems Management and Engineering

This volume presents the revised and peer reviewed contributions of the 'ERP Future 2015' conference held in Munich, Germany on November 16-17, 2015. The ERP Future 2015 Research conference is a scientific platform for research on enterprise information systems in general and specifically on core topics like business process management (BPM), business intelligence (BI) and enterprise resource planning (ERP) systems. Besides the scientific community the event also addresses businesses developing, implementing and using enterprise information systems. The 7 full papers and 5 short papers accepted for ERP were selected from 23 submissions. The papers consider topics in education in enterprise systems; business process management; enterprise systems and solution providers; and IT-trends.

Enterprise Information Systems for Business Integration in SMEs: Technological, Organizational, and Social Dimensions

Discusses the main issues, challenges, opportunities, and trends related to the impact of IT on every part of organizational and inter-organizational environments.

Designing Enterprise Information Systems

This book brings together enterprise modeling and software specification, providing a conceptual background and methodological guidelines that concern the design of enterprise information systems. In this, two corresponding disciplines (enterprise engineering and software engineering) are considered in a complementary way. This is how the widely recognized gap between domain experts and software engineers could be effectively addressed. The content is, on the one hand, based on a conceptual invariance (embracing concepts whose essence transcends the barriers between social and technical disciplines) while on the other, the book is featuring a modeling duality, by bringing together social theories (that are underlying with regard to enterprise engineering) and computing paradigms (that are underlying as it concerns software engineering). In addition, the proposed approach as well as its guidelines and related notations further foster such enterprise-software modeling, by facilitating modeling generations and transformations. Considering unstructured business information in the beginning, the modeling process would progress through the methodological construction of enterprise models, to reach as far as a corresponding derivation of software specifications. Finally, the enterprise-software alignment is achieved in a component-based way, featuring a potential for re-using modeling constructs, such that the modeling effectiveness and efficiency are further stimulated. For the sake of grounding the presented studies, a case study and illustrative examples are considered. They are not only justifying the idea of bringing together (in a component-based way) enterprise modeling and software specification but they are also demonstrating various strengths and limitations of the proposed modeling approach. The book was mainly written for researchers and graduate students in enterprise information systems, and also for professionals whose work involves the specification and realization of such systems. In addition, researchers and practitioners entering these fields will benefit from the blended view on enterprise modeling and software specification, for the sake of an effective and efficient design of enterprise information systems.

Enterprise Information Systems VI

This book contains the best papers of the Sixth International Conference on Enterprise Information Systems (ICEIS 2004), held in Porto (Portugal) and organized by INSTICC (Institute for Systems and Technologies of Information, Communication and Control) in collaboration with PORTUCALENSE UNIVERSITY, who hosted the event. Following the route started in 1999, ICEIS has become a major point of contact between research scientists, engineers and practitioners on the area of business applications of information systems. This conference has received an increased interest every year, from especially from the international academic community, and it is now one of the world largest conferences in its area. This year, five simultaneous tracks were held, covering different aspects related to enterprise computing, including: "Databases and Information Systems Integration", "Artificial Intel-

ligence and Decision Support Systems”, “Information Systems Analysis and Specification”, “Software Agents and Internet Computing” and “Human-Computer Interaction”. The sections of this book reflect the conference tracks.

Enterprise Information Systems VII

The purpose of the 7th International Conference on Enterprise Information Systems (ICEIS) was to bring together researchers, engineers and practitioners interested in the advances and business applications of information systems. ICEIS focuses on real world applications, therefore authors were asked to highlight the benefits of Information Technology for industry and services. Papers included in the book are the best papers presented at the conference.

Enterprise Dynamics Sourcebook

Rapidly changing market, technological, and organizational environments are forcing government and private sector enterprises to improve services and transform processes. Employing a case study approach, the Enterprise Dynamics Sourcebook presents frameworks and analytical models of the enterprise as a complex system to improve your understanding of its dynamic elements and their interactions. Illustrating the transformation environments and the evolution of methods required to address emerging challenges, this sourcebook is the product of MITRE-sponsored research on enterprise dynamics and the range of applications pertaining to enterprise transformation programs. It explains how to address the complexities involved with the coordination of policies, organizations, economics, and technology (POET) in operational strategies and processes. It also: Presents qualitative and quantitative data-analytic methods including process workflow, systems dynamics, and highly optimized tolerance-inspired models of SoSE processes Features Bayesian probability and state-space transition methods to address uncertainties in the controlled, influenced, and uncontrolled aspects of enterprise dynamics Explains how to use hybrid multi-scale modeling coupled with enterprise architecture to support decision making in the design, acquisition, and management of complex transformation efforts Outlines methods applicable in the national security, aviation, nuclear waste processing, international commerce, energy and materials, and healthcare sectors of the U.S. economy The structures and concepts covered in this book will be useful to managers and technical staff in government entities as well as private sector enterprises with significant operational and regulatory interaction with government entities. The enterprise dynamics methods discussed can help in the advancement of systems engineering practices at the enterprise level and also enable the enterprise systems engineering and architecting (ESE/A) process. Filled with examples, the text provides the understanding of the qualitative and quantitative data-analytic methods required to reduce risk and failure rates and enable your organization to operate effectively in today’s complex and ever-changing environment.

Enterprise Information Systems III

The purpose of the 3rd International Conference on Enterprise Information Systems (ICEIS) was to bring together researchers, engineers, and practitioners interested in the advances and business applications of information systems. The research papers published here have been carefully selected from those presented at the conference, and focus on real world applications covering four main themes: database and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; and internet computing and electronic commerce. Audience: This book will be of interest to information technology professionals, especially those working on systems integration, databases, decision support systems, or electronic commerce. It will also be of use to middle managers who need to work with information systems and require knowledge of current trends in development methods and applications.

Enterprise Information Systems

This book constitutes revised selected papers from the 18th International Conference on Enterprise Information Systems, ICEIS 2016, held in Rome, Italy, in April 2016. The 23 papers presented in this volume were carefully reviewed and selected from a total of 257 submissions to ICEIS 2016. The volume also contains one invited talk in full paper length. The papers selected to be included in this book contribute to the understanding of relevant trends of current research on enterprise information systems, including issues with regard to enterprise engineering, heterogeneous systems, security, software engineering, systems integration, business process management, human factors and

affective computing, ubiquitous computing, social computing, knowledge management, and artificial intelligence.

Enterprise Information Systems

This book contains the best papers of the 8th International Conference on Enterprise Information Systems (ICEIS 2006), held in the city of Paphos (Cyprus), organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC) in collaboration with the University of Cyprus, Aristotle University of Thessaloniki and Athens University of Economics and Business. ICEIS has become a major point of contact between research scientists, engineers and practitioners in the area of business applications of information systems. This year, five simultaneous tracks were held, covering different aspects related to enterprise computing, including: "Databases and Information Systems Integration," "Artificial Intelligence and Decision Support Systems," "Information Systems Analysis and Specification," "Software Agents and Internet Computing" and "Human-Computer Interaction." All tracks focus on real world applications and highlight the benefits of Information Systems and Technology for industry and services, thus making a bridge between Academia and Enterprise. Following the success of 2005, ICEIS 2006 received 404 paper submissions from more than 40 countries spanning all continents. In all, 63 papers were published and presented as full papers, i.e., completed work (8 pages in proceedings / 30-min oral presentations), 102 papers reflecting work-in-progress or position papers were accepted for short presentation and another 75 for poster presentation.

Organizational Advancements through Enterprise Information Systems: Emerging Applications and Developments

"This book provides a comprehensive assessment of the latest developments in the EIS revolution, including Enterprise Resource Planning (ERP) adoption, the integration of enterprise systems, personalized ERP, and the Semantic Web, and ideas and solutions for the future of the global enterprise"--Provided by publisher.

Advanced Information Systems Engineering Workshops

This book constitutes the thoroughly refereed proceedings of seven international workshops held in Stockholm, Sweden, in conjunction with the 27th International Conference on Advanced Information Systems Engineering, CAiSE 2015, in June 2015. The 38 full and nine short papers were carefully selected from 107 submissions. The workshops were the Second International Workshop on Advances in Services Design based on the Notion of Capability (ASDENCA), the Third International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE), the First International Workshop on Digital Business Innovation and the Future Enterprise Information Systems Engineering (DiFenSE), the First International Workshop on Enterprise Modeling (EM), the First Workshop on the Role of Real-World Objects in Business Process Management Systems (RW-BPMS), the 10th International Workshop on Trends in Enterprise Architecture Research (TEAR), and the 5th International Workshop on Information Systems Security Engineering (WISSE).

Enterprise Information Systems: Concepts, Methodologies, Tools and Applications

This three-volume collection, titled Enterprise Information Systems: Concepts, Methodologies, Tools and Applications, provides a complete assessment of the latest developments in enterprise information systems research, including development, design, and emerging methodologies. Experts in the field cover all aspects of enterprise resource planning (ERP), e-commerce, and organizational, social and technological implications of enterprise information systems.

Global Implications of Modern Enterprise Information Systems: Technologies and Applications

"This book presents useful strategies, techniques, and tools for the successful design, development, and implementation of enterprise information systems"--Provided by publisher.

Enterprise Information Systems

This book contains revised papers from the 17th International Conference on Enterprise Information Systems, ICEIS 2015, held in Barcelona, Spain, in April 2015. The 31 papers presented in this volume were carefully reviewed and selected from a total of 327 submissions. The book also contains one full-paper invited talk. The selected papers reflect state-of-the-art research that is oriented toward

real-world applications and highlight the benefits of information systems and technology for industry and services. They are organized in topical sections on databases and information systems integration, artificial intelligence and decision support systems, information systems analysis and specification, software agents and Internet computing, human–computer interaction, and enterprise architecture.

Techniques and Tools for the Design and Implementation of Enterprise Information Systems

Inter-organizational information systems play a major role in improving communication and integration between partnering firms to achieve an integrated global supply chain. Current research in enterprise resource planning and electronic commerce is crucial to maintaining efficient supply chain management and organizational competitiveness. Techniques and Tools for the Design & Implementation of Enterprise Information Systems enables libraries to provide an invaluable resource to academicians and practitioners in fields such as operations management, Web engineering, information technology, and management information systems, providing insight into the effective design and implementation of enterprise information systems to improve communication and integration between partnering firms to achieve an integrated global supply chain.

Enterprise Integration and Information Architecture

Enterprise solutions have emerged as promising tools for integrating and extending business processes across business functions. Supplying a clear and comprehensive introduction to the field, this book provides a detailed description of enterprise information integration-from the development of enterprise systems to extended enterprise information

Designing Enterprise Information Systems

This book brings together enterprise modeling and software specification, providing a conceptual background and methodological guidelines that concern the design of enterprise information systems. In this, two corresponding disciplines (enterprise engineering and software engineering) are considered in a complementary way. This is how the widely recognized gap between domain experts and software engineers could be effectively addressed. The content is, on the one hand, based on a conceptual invariance (embracing concepts whose essence transcends the barriers between social and technical disciplines) while on the other, the book is featuring a modeling duality, by bringing together social theories (that are underlying with regard to enterprise engineering) and computing paradigms (that are underlying as it concerns software engineering). In addition, the proposed approach as well as its guidelines and related notations further foster such enterprise-software modeling, by facilitating modeling generations and transformations. Considering unstructured business information in the beginning, the modeling process would progress through the methodological construction of enterprise models, to reach as far as a corresponding derivation of software specifications. Finally, the enterprise-software alignment is achieved in a component-based way, featuring a potential for re-using modeling constructs, such that the modeling effectiveness and efficiency are further stimulated. For the sake of grounding the presented studies, a case study and illustrative examples are considered. They are not only justifying the idea of bringing together (in a component-based way) enterprise modeling and software specification but they are also demonstrating various strengths and limitations of the proposed modeling approach. The book was mainly written for researchers and graduate students in enterprise information systems, and also for professionals whose work involves the specification and realization of such systems. In addition, researchers and practitioners entering these fields will benefit from the blended view on enterprise modeling and software specification, for the sake of an effective and efficient design of enterprise information systems.

Modeling and Analysis of Enterprise and Information Systems

Modeling and Analysis of Enterprise and Information Systems – From Requirements to Realization discusses the basic principles of enterprise architecture and enterprise modeling. After an introduction to the field the General Enterprise Modeling Architecture is presented. The new architecture includes a set of models and methods. It describes different aspects of the system and covers its life cycle. Its models are structuralized models with multi-layers and multi-views. They are descriptions and cognitions of the system at the top level and provide tools and methodology to understand, design, develop and implement the system. This book is intended for researchers and graduate students in the field of industrial engineering, management engineering and information engineering. Enterprise Models discussed in this book provide a rich source in enterprise diagnosis, business process reengineering

and information system implementation. Dr. Qing Li and Prof. Yu-Liu Chen both teach at the Department of Automation, Tsinghua University.

Enterprise Information Systems and Advancing Business Solutions: Emerging Models

"This book is to provide comprehensive coverage and understanding of various enterprise information systems (EIS) such as enterprise resource planning (ERP) and electronic commerce (EC) and their implications on supply chain management and organizational competitiveness"--Provided by publisher.

Enterprise Systems Engineering

Although usually well-funded, systems development projects are often late to market and over budget. Worse still, many are obsolete before they can be deployed or the program is cancelled before delivery. Clearly, it is time for a new approach. With coverage ranging from the complex characteristics and behaviors of enterprises to the challenges the

Enterprise Information Systems

This book contains substantially extended and revised versions of the best papers from the 15th International Conference on Enterprise Information Systems, ICEIS 2013, held in Angers, France, in July 2013. The 29 full and two invited papers included in this volume were carefully reviewed and selected from 321 submissions. They reflect state-of-the-art research focusing mainly on real-world applications and highlight the benefits of information systems and technology for industry and services, thus connecting academia with the world of real enterprises. The topics covered are: databases and information systems integration, artificial intelligence and decision support systems, information systems analysis and specification, software agents and Internet computing, human-computer interaction, and enterprise architecture.

Enterprise Information Systems

This book constitutes extended and revised papers from the 19th International Conference on Enterprise Information Systems, ICEIS 2017, held in Porto, Portugal, in April 2017. The 28 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 318 submissions. They were organized in topical sections named: databases and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

ENTERprise Information Systems, Part I

This book constitutes the proceedings of the International Conference on ENTERprise information systems, held Viana do Castelo, Portugal, in October 2010.

Innovation and Future of Enterprise Information Systems

This volume presents the revised and peer reviewed contributions of the "ERP Future 2012" conference held in Salzburg/Austria on November 11th - 12th, 2012. The conference is a platform for research in ERP systems and closely related topics like business processes, business intelligence, and enterprise information systems in general. To master the challenges of ERP comprehensively, the ERP Future 2012 Research conference accepted contributions both with a business focus as well as with an IT focus to consider enterprise resource planning from various viewpoints. This combination of business and IT aspects is a unique characteristic of the conference and of this volume that resulted in valuable contributions with high practical impact.

Advances in Enterprise Information Systems II

For many years now Enterprise Information Systems have been critical in helping businesses successfully navigate the global market. The development that started with design and implementation of integrated systems has evolved to incorporate a multitude of perspectives and ideas. The Enterprise Information Systems functionality extends from principally an ERP (Enterprise Resource Planning) system to a portfolio of standard systems including CRM (Customer Relationship Management) systems and SCM (Supply Chain Management) systems. Advances in Enterprise Information Systems

It is divided into seven thematic sections, each exploring a distinct topic. In “Concepts in Enterprise Information Systems” the authors present new concepts and ideas for the field. “Cases in Enterprise Information Systems” introduces studies of enterprise information systems in an organizational context. “Business Process Management” is one of the major themes within enterprise information systems and “Designing Enterprise Information Systems” discusses new approaches to the design of processes and system and also deals with how design can be taken as a specific perspective. “Enterprise Information Systems in various domains” features generic studies that contribute to advancing the practical knowledge of the field as well as towards “Global issues of Enterprise Information Systems”. Finally, in “Emerging Topics in Enterprise Information Systems”, new technologies and ideas are explored. Cloud computing in particular seems to be setting the agenda for future research in enterprise information systems. The book will be invaluable to academics and professionals interested in recent developments in the field of enterprise information systems.

Innovations in Enterprise Information Systems Management and Engineering

This book constitutes revised and peer reviewed contributions from the Research part of the ERP Future 2016 conference held in Hagenberg, Austria, in November 2016. The ERP Future Research conference is set up as a platform for scientific discussion on enterprise resource planning (ERP) systems, business intelligence (BI) systems, business process management (BPM) systems and information technology systems. The conference acts as a discussion and communication platform for business and technological topics covering ERP systems. The 7 full and 5 short papers presented in this volume were carefully reviewed and selected from 29 submissions. They were organized in the following topical sections: introduction of enterprise systems; business processes; production processes; and IT-trends.

Enterprise Information Systems and Implementing IT Infrastructures: Challenges and Issues

"This book aims at identifying potential research problems and issues in the EIS such as Enterprise Resource Planning (ERP), Supply Chain Management (SCM), and Customer Relationship Management (CRM)"--Provided by publisher.

Data-Driven Optimization and Knowledge Discovery for an Enterprise Information System

This book provides a comprehensive set of optimization and prediction techniques for an enterprise information system. Readers with a background in operations research, system engineering, statistics, or data analytics can use this book as a reference to derive insight from data and use this knowledge as guidance for production management. The authors identify the key challenges in enterprise information management and present results that have emerged from leading-edge research in this domain. Coverage includes topics ranging from task scheduling and resource allocation, to workflow optimization, process time and status prediction, order admission policies optimization, and enterprise service-level performance analysis and prediction. With its emphasis on the above topics, this book provides an in-depth look at enterprise information management solutions that are needed for greater automation and reconfigurability-based fault tolerance, as well as to obtain data-driven recommendations for effective decision-making.

Enterprise Information Systems

This book contains the collection of full papers accepted at the 11th International Conference on Enterprise Information Systems (ICEIS 2009), organized by the Institute for Systems and Technologies of Information Control and Communication (INSTICC) in cooperation with the Association for Advancement of Artificial Intelligence (AAAI) and ACM SIGMIS (SIG on Management Information Systems), and technically co-sponsored by the Japanese IEICE SWIM (SIG on Software Enterprise Modeling) and the Workflow Management Coalition (WfMC). ICEIS 2009 was held in Milan, Italy. This conference has grown to become a major point of contact between research scientists, engineers and practitioners in the area of business applications of information systems. This year, five simultaneous tracks were held, covering different aspects related to enterprise computing, including: “Databases and Information Systems Integration,” “Artificial Intelligence and Decision Support Systems,” “Information Systems Analysis and Specification,” “Software Agents and Internet Computing” and “Human–Computer Interaction”. All tracks describe research work that is often oriented toward real-world applications and highlight the benefits of information systems and technology for industry and services, thus making a bridge between academia and enterprise. ICEIS 2009 received 644 paper submissions from 70 countries in

all continents; 81 papers were published and presented as full papers, i.e., completed research work (8 pages/30-minute oral presentation). Additional papers accepted at ICEIS, including short papers and posters, were published in the regular conference proceedings.

Enterprise Information Systems

This book constitutes extended, revised and selected papers from the 22nd International Conference on Enterprise Information Systems, ICEIS 2020, held online during May 5-7, 2020. The 41 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 255 submissions. They were organized in topical sections as follows: database and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

Business Modeling and Software Design

This book constitutes the refereed proceedings of the 12th International Symposium on Business Modeling and Software Design, BMSD 2022, which took place in Fribourg, Switzerland, in June 2022. The 12 full and 9 short papers included in this book were carefully reviewed and selected from a total of 56 submissions. BMSD is a leading international forum that brings together researchers and practitioners interested in business modeling and its relation to software design. Particular areas of interest are: Business Processes and Enterprise Engineering; Business Models and Requirements; Business Models and Services; Business Models and Software; Information Systems Architectures and Paradigms; Data Aspects in Business Modeling and Software Development; Blockchain-Based Business Models and Information Systems; IoT and Implications for Enterprise Information Systems. Each year, a special theme is chosen, for making presentations and discussions more focused. The BMSD 2022 theme is: Information Systems Engineering and Trust.

ENTERprise Information Systems

This three-volume-set (CCIS 219, CCIS 220, and CCIS 221) constitutes the refereed proceedings of the International Conference on ENTERprise Information Systems, CENTERIS 2011, held in Vilamoura, Portugal, in September 2011. The approx. 120 revised full papers presented in the three volumes were carefully reviewed and selected from 180 submissions. The papers are organized in topical sections on knowledge society, EIS adoption and design, EIS implementation and impact, EIS applications, social aspects and IS in education, IT/IS management, telemedicine and imaging technologies, healthcare information management, medical records and business processes, decision support systems and business intelligence in health and social care contexts, architectures and emerging technologies in healthcare organizations, as well as m-health.

Enterprise Information Systems Assurance and System Security: Managerial and Technical Issues

"This book brings together authoritative authors to address the most pressing challenge in the IT field - how to create secure environments for the application of technology to serve our future needs"--Provided by publisher.

Enterprise Information Systems

This book contains extended and revised papers from the 16th International Conference on Enterprise Information Systems, ICEIS 2014, held in Lisbon, Portugal, in April 2014. The 24 papers presented in this volume were carefully reviewed and selected from a total of 313 submissions. The book also contains two full-paper invited talks. The selected papers reflect state-of-the-art research that is oriented toward real-world applications and highlight the benefits of information systems and technology for industry and services. They are organized in topical sections on databases and information systems integration, artificial intelligence and decision support systems, information systems analysis and specification, software agents and Internet computing, human-computer interaction, and enterprise architecture.