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Embedded Computer Systems: Architectures, Modeling, and Simulation - Koen Bertels 2009-07-21

This book constitutes the refereed proceedings of the 9th International Workshop on Architectures, Modeling, and Simulation, SAMOS 2009, held on Samos, Greece, on July 20-23, 2009. The 18 regular papers presented were carefully reviewed and selected from 52 submissions. The papers are organized in topical sections on architectures for multimedia, multi/many cores architectures, VLSI architectures design, architecture modeling and exploration tools. In addition there are 14 papers from three special sessions which were organized on topics of current interest: instruction-set customization, reconfigurable computing and processor architectures, and mastering cell BE and GPU execution platforms.

Encyclopedia of Information Science and Technology - Mehdi Khosrow-Pour 2009

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

[Enabling Manufacturing Competitiveness and Economic Sustainability](#) - Hoda A. ElMaraghy 2011-09-29

The changing manufacturing environment requires more responsive and adaptable manufacturing systems. The theme of the 4th International Conference on Changeable, Agile, Reconfigurable and Virtual production (CARV2011) is "Enabling Manufacturing Competitiveness and Economic Sustainability". Leading edge research and best implementation practices and experiences, which address these important issues and challenges, are presented. The proceedings include advances in manufacturing systems design, planning, evaluation, control and evolving paradigms such as mass customization, personalization, changeability, re-configurability and flexibility. New and important concepts such as the dynamic product families and platforms, co-evolution of products and systems, and methods for enhancing manufacturing systems' economic sustainability and prolonging their life to produce more than one product generation are treated. Enablers of change in manufacturing systems, production volume and capability scalability and managing the volatility of markets, competition among global enterprises and the increasing complexity of products, manufacturing systems and management strategies are discussed. Industry challenges and future directions for research and development needed to help both practitioners and academicians are presented.

Health Technology Development and Use - Sampsa Hyysalo 2010-06-22
How do development and use of new technology relate? How can users contribute to innovation? This volume is the first to study these questions by following particular technologies over several product launches in detail. It examines the emergence of inventive ideas about future technology and uses, how these are developed into products and embedded in health care practices, and how the form and impact of these technologies then evolves through several rounds of design and deployment across different types of organizations. Examining these processes through three case studies of health care innovations, these studies reveal a blind spot in extant research on development-use relations. The majority of studies have examined shorter 'episodes': moments within particular design projects, implementation processes, usability evaluations, and human-machine interactions. Studies with longer time-frames have resorted to a relatively coarse 'grain-size' of analysis and hence lost sight of how the interchange is actually done. As a result there are no social science, information systems, or management texts which comprehensively or adequately address: • how different moments, sites and modes of shaping new technology determine the evolution of new technology; • the detailed mechanisms of learning, interaction, and domination between different actors and technology during these drawn out processes; and • the relationship of technology projects and the professional practices and social imaginations that are associated in technology development, evaluation, and usage. The "biographies of technologies and practices" approach to new technology advanced in this volume offers us urgent new insight to core empirical and theoretical questions about how and where development projects gain their representations of future use and users, how usage is actually designed, how users' requests and modifications affect designs, and what kind of learning takes place between developers and users in different phases of innovation—all crucial to our understanding and ability to advance new health technology, and innovation more generally.

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.

Standards and Standardization: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources
2015-02-28
Effective communication requires a common language, a truth that

applies to science and mathematics as much as it does to culture and conversation. *Standards and Standardization: Concepts, Methodologies, Tools, and Applications* addresses the necessity of a common system of measurement in all technical communications and endeavors, in addition to the need for common rules and guidelines for regulating such enterprises. This multivolume reference will be of practical and theoretical significance to researchers, scientists, engineers, teachers, and students in a wide array of disciplines.

Actor-Network Theory and Technology Innovation: Advancements and New Concepts - Tatnall, Arthur 2010-11-30

Actor-Network Theory and Technology Innovation: Advancements and New Concepts provides a comprehensive look at the development of actor-network theory itself, as well as case studies of its use to assist in the explanation of various socio-technical phenomena. This book includes topics relating to technological innovation; both those using actor-network theory as an explanatory framework and those using other approaches. It is an excellent source of information regarding ANT as an approach to technological innovation and its link to ICT (Information Communication Technology).

ESL Models and their Application - Brian Bailey 2009-12-15

This book arises from experience the authors have gained from years of work as industry practitioners in the field of Electronic System Level design (ESL). At the heart of all things related to Electronic Design Automation (EDA), the core issue is one of models: what are the models used for, what should the models contain, and how should they be written and distributed. Issues such as interoperability and tool transportability become central factors that may decide which ones are successful and those that cannot get sufficient traction in the industry to survive. Through a set of real examples taken from recent industry experience, this book will distill the state of the art in terms of System-Level Design models and provide practical guidance to readers that can be put into use. This book is an invaluable tool that will aid readers in their own designs, reduce risk in development projects, expand the scope of design projects, and improve developmental processes and project

planning.

Model-Based Design for Embedded Systems - Gabriela Nicolescu
2018-09-03

The demands of increasingly complex embedded systems and associated performance computations have resulted in the development of heterogeneous computing architectures that often integrate several types of processors, analog and digital electronic components, and mechanical and optical components—all on a single chip. As a result, now the most prominent challenge for the design automation community is to efficiently plan for such heterogeneity and to fully exploit its capabilities. A compilation of work from internationally renowned authors, *Model-Based Design for Embedded Systems* elaborates on related practices and addresses the main facets of heterogeneous model-based design for embedded systems, including the current state of the art, important challenges, and the latest trends. Focusing on computational models as the core design artifact, this book presents the cutting-edge results that have helped establish model-based design and continue to expand its parameters. The book is organized into three sections: Real-Time and Performance Analysis in Heterogeneous Embedded Systems, Design Tools and Methodology for Multiprocessor System-on-Chip, and Design Tools and Methodology for Multidomain Embedded Systems. The respective contributors share their considerable expertise on the automation of design refinement and how to relate properties throughout this refinement while enabling analytic and synthetic qualities. They focus on multi-core methodological issues, real-time analysis, and modeling and validation, taking into account how optical, electronic, and mechanical components often interface. Model-based design is emerging as a solution to bridge the gap between the availability of computational capabilities and our inability to make full use of them yet. This approach enables teams to start the design process using a high-level model that is gradually refined through abstraction levels to ultimately yield a prototype. When executed well, model-based design encourages enhanced performance and quicker time to market for a product. Illustrating a broad and diverse spectrum of applications

such as in the automotive aerospace, health care, consumer electronics, this volume provides designers with practical, readily adaptable modeling solutions for their own practice.

Service Profit Chain - W. Earl Sasser 1997-04-10

In this pathbreaking book, world-renowned Harvard Business School service firm experts James L. Heskett, W. Earl Sasser, Jr. and Leonard A. Schlesinger reveal that leading companies stay on top by managing the service profit chain. Why are a select few service firms better at what they do -- year in and year out -- than their competitors? For most senior managers, the profusion of anecdotal "service excellence" books fails to address this key question. Based on five years of painstaking research, the authors show how managers at American Express, Southwest Airlines, Banc One, Waste Management, USAA, MBNA, Intuit, British Airways, Taco Bell, Fairfield Inns, Ritz-Carlton Hotel, and the Merry Maids subsidiary of ServiceMaster employ a quantifiable set of relationships that directly links profit and growth to not only customer loyalty and satisfaction, but to employee loyalty, satisfaction, and productivity. The strongest relationships the authors discovered are those between (1) profit and customer loyalty; (2) employee loyalty and customer loyalty; and (3) employee satisfaction and customer satisfaction. Moreover, these relationships are mutually reinforcing; that is, satisfied customers contribute to employee satisfaction and vice versa. Here, finally, is the foundation for a powerful strategic service vision, a model on which any manager can build more focused operations and marketing capabilities. For example, the authors demonstrate how, in Banc One's operating divisions, a direct relationship between customer loyalty measured by the "depth" of a relationship, the number of banking services a customer utilizes, and profitability led the bank to encourage existing customers to further extend the bank services they use. Taco Bell has found that their stores in the top quadrant of customer satisfaction ratings outperform their other stores on all measures. At American Express Travel Services, offices that ticket quickly and accurately are more profitable than those which don't. With hundreds of examples like these, the authors show how to manage the customer-

employee "satisfaction mirror" and the customer value equation to achieve a "customer's eye view" of goods and services. They describe how companies in any service industry can (1) measure service profit chain relationships across operating units; (2) communicate the resulting self-appraisal; (3) develop a "balanced scorecard" of performance; (4) develop a recognitions and rewards system tied to established measures; (5) communicate results company-wide; (6) develop an internal "best practice" information exchange; and (7) improve overall service profit chain performance. What difference can service profit chain management make? A lot. Between 1986 and 1995, the common stock prices of the companies studied by the authors increased 147%, nearly twice as fast as the price of the stocks of their closest competitors. The proven success and high-yielding results from these high-achieving companies will make *The Service Profit Chain* required reading for senior, division, and business unit managers in all service companies, as well as for students of service management.

Innovative Quick Response Programs in Logistics and Supply Chain Management - T. C. Edwin Cheng 2010-03-11

Quick Response (QR) policy is a market-driven business strategy in which supply chain members work together to react quickly to volatile market demand. Nowadays, with advances in information technologies (such as RFID and ERP systems), new challenges and opportunities arise for the application of QR. This handbook explores QR extensively with a view to discovering innovative QR measures that can help tackle the observed and emerging challenges. The book is organized into four parts, which include chapters on analytical modeling and analyses, information technologies, cases, reviews, and applications. This handbook provides new analytical and empirical results with valuable insights, which will not only help supply chain agents to better understand the latest applications of QR in business, but also help practitioners and researchers to know how to improve the effectiveness of QR using innovative methods.

Simulation, Modeling, and Programming for Autonomous Robots - Stefano Carpin 2008-10-23

are convinced that SIMPAR has succeeded in giving a first answer to this search, and it can be followed by proper scientific and engineering actions in the near future.

Windows Server 2019 & PowerShell All-in-One For Dummies - Sara Perrott 2019-04-11

Your one-stop reference for Windows Server 2019 and PowerShell know-how Windows Server 2019 & PowerShell All-in-One For Dummies offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.

The Routledge Companion to Cross-Cultural Management - Nigel Holden 2015-04-24

This Routledge Companion provides a timely and authoritative overview of cross-cultural management as an academic domain and field of practice for academics and students. With contributions from over 60 authors from 20 countries, the book is organised into five thematic areas: Review, survey and critique Language and languages: moving from the periphery to the core Cross-cultural management research and education The new international business landscape Rethinking a multidisciplinary paradigm. Edited by an international team of scholars and featuring contributions from a range of leading cross-cultural management experts, this prestigious volume represents the most comprehensive guide to the development and scope of cross-cultural management as an academic discipline.

Dynamically Reconfigurable Systems - Marco Platzner 2010-03-10

Dynamically Reconfigurable Systems is the first ever to focus on the emerging field of Dynamically Reconfigurable Computing Systems. While programmable logic and design-time configurability are well elaborated and covered by various texts, this book presents a unique overview over the state of the art and recent results for dynamic and run-time reconfigurable computing systems. Reconfigurable hardware is not only of utmost importance for large manufacturers and vendors of microelectronic devices and systems, but also a very attractive technology for smaller and medium-sized companies. Hence, *Dynamically Reconfigurable Systems* also addresses researchers and engineers actively working in the field and provides them with information on the newest developments and trends in dynamic and run-time reconfigurable systems.

Knowledge-Based Configuration - Alexander Felfernig 2014-04-02

Knowledge-based Configuration incorporates knowledge representation formalisms to capture complex product models and reasoning methods to provide intelligent interactive behavior with the user. This book represents the first time that corporate and academic worlds collaborate integrating research and commercial benefits of knowledge-based configuration. Foundational interdisciplinary material is provided for composing models from increasingly complex products and services. Case studies, the latest research, and graphical knowledge representations that increase understanding of knowledge-based configuration provide a toolkit to continue to push the boundaries of what configurators can do and how they enable companies and customers to thrive. Includes detailed discussion of state-of-the-art configuration knowledge engineering approaches such as automated testing and debugging, redundancy detection, and conflict management Provides an overview of the application of knowledge-based configuration technologies in the form of real-world case studies from SAP, Siemens, Kapsch, and more Explores the commercial benefits of knowledge-based configuration technologies to business sectors from services to industrial equipment Uses concepts that are based on an

example personal computer configuration knowledge base that is represented in an UML-based graphical language

Model-Driven Domain Analysis and Software Development: Architectures and Functions - Osis, Janis 2010-10-31

"This book displays how to effectively map and respond to the real-world challenges and purposes which software must solve, covering domains such as mechatronic, embedded and high risk systems, where failure could cost human lives"--Provided by publisher.

An Introduction to Management Consultancy - Marc Baaij 2022-01-05

Whether you are preparing for a management consultancy career or only want to acquire widely applicable consultancy skills, you will need a clear and concise introduction to this area. This fully updated second edition text provides you with a practical, step-by-step guide to learn the proven successful methods and techniques of the world's leading management consultancy firms. Detailed descriptions and real-life illustrations enable you to develop consultancy skills for structured problem-solving, critical thinking, collaboration and communication. Additionally, this text provides rich insights into the latest developments in the consultancy industry and their firms. It includes alumnus of a top management consultancy firm and is essential reading for aspiring consultants as well as anyone dealing with consultants in their career.

CyberParks - The Interface Between People, Places and Technology - Carlos Smaniotto Costa 2019-03-01

This open access book is about public open spaces, about people, and about the relationship between them and the role of technology in this relationship. It is about different approaches, methods, empirical studies, and concerns about a phenomenon that is increasingly being in the centre of sciences and strategies - the penetration of digital technologies in the urban space. As the main outcome of the CyberParks Project, this book aims at fostering the understanding about the current and future interactions of the nexus people, public spaces and technology. It addresses a wide range of challenges and multidisciplinary perspectives on emerging phenomena related to the penetration of technology in people's lifestyles - affecting therefore the whole society, and with this,

the production and use of public spaces. Cyberparks coined the term cyberpark to describe the mediated public space, that emerging type of urban spaces where nature and cybertechnologies blend together to generate hybrid experiences and enhance quality of life.

Pro Git - Scott Chacon 2014-11-18

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It's the best book for all your Git needs.

Design, User Experience, and Usability. Theory, Methods, Tools and Practice - Aaron Marcus 2011-06-18

The two-volume set LNCS 6769 + LNCS 6770 constitutes the proceedings of the First International Conference on Design, User Experience, and Usability, DUXU 2011, held in Orlando, FL, USA in July 2011 in the framework of the 14th International Conference on Human-Computer Interaction, HCII 2011, incorporating 12 thematically similar conferences. A total of 4039 contributions was submitted to HCII 2011, of which 1318 papers were accepted for publication. The total of 154 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in the book. The papers are organized in topical sections on DUXU theory, methods and tools; DUXU guidelines and standards; novel DUXU: devices and their user interfaces; DUXU in industry; DUXU in the mobile and vehicle context; DXU in Web environment; DUXU and ubiquitous interaction/appearance; DUXU in the development and usage lifecycle; DUXU evaluation; and DUXU beyond

usability: culture, branding, and emotions.

Agent-Based Approaches in Economic and Social Complex Systems VIII - Yutaka Nakai 2015-06-05

Agent-based modeling/simulation is an emergent approach to the analysis of social and economic systems. It provides a bottom-up experimental method to be applied to social sciences such as economics, management, sociology and politics as well as some engineering fields dealing with social activities. This book includes selected papers presented at the Eighth International Workshop on Agent-Based Approaches in Economic and Social Complex Systems held in Tokyo, Japan, in 2013. At the workshop, 23 reviewed full papers were presented and of those, 13 were selected to be included in this volume.

Electronic Government - Marijn Janssen 2011-08-19

This book constitutes the refereed proceedings of the 10th International Conference, EGOV 2011, held in Delft, The Netherlands, in August/September 2011. The 38 revised full papers presented were carefully reviewed and selected from 84 submissions. The papers are organized in topical sections on foundations, acceptance and diffusion, governance, openness and institutions, architecture, security and interoperability, transformation, values and change.

System Analysis and Modeling. Languages, Methods, and Tools for Industry 4.0 - Pau Fonseca i Casas 2019-09-09

This book constitutes the refereed proceedings of the 11th International Conference on System Analysis and Modeling, SAM 2019, held in Munich, Germany, in September 2019. The 12 full papers and 2 work in progress papers presented together with one keynote talk were carefully reviewed and selected from 28 submissions. The papers discuss the most recent innovations, trends, and experiences in modeling and analysis of complex systems using ITU-T's Specification and Description Language (SDL-2010) and Message Sequence Chart (MSC) notations, as well as related system design languages — including UML, ASN.1, TTCN, SysML, and the User Requirements Notation (URN). SAM 2019's theme was "Languages, Methods, and Tools for Industry 4.0."

Service Business Model Innovation in Healthcare and Hospital

Management - Mario A. Pfannstiel 2016-12-16

This book demonstrates how to successfully manage and lead healthcare institutions by employing the logic of business model innovation to gain competitive advantages. Since clerk-like routines in professional organizations tend to overlook patient and service-centered healthcare solutions, it challenges the view that competition and collaboration in the healthcare sector should not only incorporate single-end services, therapies or diagnosis related groups. Moreover, the authors focus on holistic business models, which place greater emphasis on customer needs and put customers and patients first. The holistic business models approach addresses topics such as business operations, competitiveness, strategic business objectives, opportunities and threats, critical success factors and key performance indicators. The contributions cover various aspects of service business innovation such as reconfiguring the hospital business model in healthcare delivery, essential characteristics of service business model innovation in healthcare, guided business modeling and analysis for business professionals, patient-driven service delivery models in healthcare, and continuous and co-creative business model creation. All of the contributions introduce business models and strategies, process innovations, and toolkits that can be applied at the managerial level, ensuring the book will be of interest to healthcare professionals, hospital managers and consultants, as well as scholars, whose focus is on improving value-generating and competitive business architectures in the healthcare sector.

Learning and Collaboration Technologies: Designing and Developing Novel Learning Experiences - Panayiotis Zaphiris 2014-06-06

The two-volume set LNCS 8523-8524 constitutes the refereed proceedings of the First International Conference on Learning and Collaboration Technologies, LCT 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, in Heraklion, Crete, Greece in June 2014, jointly with 13 other thematically similar conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences were carefully reviewed and selected from

4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 93 contributions included in the LCT proceedings were carefully reviewed and selected for inclusion in this two-volume set. The 45 papers included in this volume are organized in the following topical sections: design of learning technologies; novel approaches in eLearning; student modeling and learning behavior; supporting problem-based, inquiry-based, project-based and blended learning.

CoDesign for Public-Interest Services - Daniela Selloni 2017-03-20

This book focuses on co-design, and more specifically, on the various forms co-design might take to tackle the most pressing societal challenges, introducing public-interest services as the main application field. To do so, it presents an extensive study conducted within a particular community of residents in Milan: this is a social innovation story integrated into the discipline of service design, which simultaneously deepens the related concepts of co-design, co-production and co-management of services. Drawing upon this experience and further studies, the book presents the idea of a collaborative infrastructure and its related infrastructuring process in ten steps, in order to explore the issues of incubation and replication of services and to extensively investigate the creation of those experimental spaces in which citizen participation is fostered and innovation in the public realm is pursued. Lastly, the book develops other lines of reflection on co-design seen, for example, as a form of cultural activism, as an instrument for building citizenship, and as a key competence for the public administration and thus as a public service itself. The idea of co-design as a way to regenerate the practices of democracy is a recurring theme throughout the book: co-design is a process that seeks to change the state of things and it is intentionally presented as a long and complex path in which the role of designer is not only that of a facilitator, but also that of a cultural operator who contributes with ideas and visions,

hopefully fostering a real cultural change.

Control and Scheduling Codesign - Feng Xia 2008-10-11

With emphasis on flexible resource management in networked and embedded real-time control systems operating in dynamic environments with uncertainty, this book is devoted to the integration of control with computing and communication. It covers the authors' recent and original research results within a unified framework of feedback scheduling. This useful reference also includes rich example problems, case studies, and extensive references to the literature.

Mass Customisation and Personalisation in Architecture and Construction - Poorang A.E. Piroozfar 2013-06-19

Challenged by the recent economic crisis, the building and construction industry is currently seeking new orientation and strategies. Here mass customisation is uncovered as a key strategy in helping to meet this challenge. The term mass customisation denotes an offering that meets the demands of each individual customer, whilst still being produced with mass production efficiency. Today mass customisation is emerging from a pilot stage into a scalable and sustainable strategy... The first dedicated publication of its kind, this book provides a forum for the concept within an applied and highly innovative context. The book includes contributions from some of the most prominent thinkers and practitioners in the field from across the world, including Kasper S. Vibaek, Steve Kendall, Martin Bechthold, Mitchell M. Tseng, and Masa Noguchi. Bringing together this panel of experts who have carried out research both in academia and practice, this book provides an overview of state-of-the-art practice related to the concept of customisation and personalisation within the built environment.

Digital Marketing and Consumer Engagement: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2018-01-05

Consumer interaction and engagement are vital components to help marketers maintain a lasting relationship with their customers. To achieve this goal, companies must utilize current digital tools to create a strong online presence. Digital Marketing and Consumer Engagement:

Concepts, Methodologies, Tools, and Applications is an innovative reference source for the latest academic material on emerging technologies, techniques, strategies, and theories in the promotion of brands through forms of digital media. Highlighting a range of topics, such as mobile commerce, brand communication, and social media, this multi-volume book is ideally designed for professionals, researchers, academics, students, managers, and practitioners actively involved in the marketing industry.

[The Routledge Companion to International Entrepreneurship](#) - Stephanie A. Fernhaber 2014-12-05

The domain of international entrepreneurship has continued to gain momentum in an era that sees entrepreneurship and globalization as critical issues in the world of business. Given the flourish of new research in this area, there is a need to provide an up-to-date perspective on the field and its future. This volume draws together a team of experts purposely selected from both the entrepreneurship and international business fields to present a comprehensive resource on the cutting-edge conversations within international entrepreneurship. This prestigious reference book will offer students and researchers an introduction to leading scholarship in international entrepreneurship and also serve as a catapult for future research.

Towards a Theory of "Smart" Social Infrastructures at Base of the Pyramid - Sandeep Goyal 2020-04-30

The primary focus of this Element is to understand the rise of smart "social" infrastructures in BoP emerging markets like India. It has been observed that new focus areas and frontiers of global economy are taking shape where social and environmental outcomes along with economic performance are considered to be collective parameters for success or failure of the businesses. This has led to the emergence of new models of entrepreneurship namely for-profit social businesses. These new models are driven by problem-solving social innovators who are driven by the social and environmental mission besides economic gains. Sustainability and overall success of social businesses is driven by smart social infrastructure comprising availability of incubation ecosystem for social

start-ups, access to patient capital, availability of digital ecosystem, adoption of circular business models, and focus on collaborations, partnerships and networking with diverse stakeholders.

[System Design, Modeling, and Simulation](#) - Claudius Ptolemaeus 2013-09-27

This book is a definitive introduction to models of computation for the design of complex, heterogeneous systems. It has a particular focus on cyber-physical systems, which integrate computing, networking, and physical dynamics. The book captures more than twenty years of experience in the Ptolemy Project at UC Berkeley, which pioneered many design, modeling, and simulation techniques that are now in widespread use. All of the methods covered in the book are realized in the open source Ptolemy II modeling framework and are available for experimentation through links provided in the book. The book is suitable for engineers, scientists, researchers, and managers who wish to understand the rich possibilities offered by modern modeling techniques. The goal of the book is to equip the reader with a breadth of experience that will help in understanding the role that such techniques can play in design.

Towards Sustainable Customization: Bridging Smart Products and Manufacturing Systems - Ann-Louise Andersen 2021-12-02

This book features state-of-the-art contributions from two well-established conferences: Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2020) and Mass Customization and Personalization Conference (MCPC2020). Together, they focus on the joint design, development, and management of products, production systems, and business for sustainable customization and personalization. The book covers a large range of topics within this domain, ranging from industrial success factors to original contributions within the field.

Languages, Design Methods, and Tools for Electronic System Design - Rolf Drechsler 2016-05-30

This book brings together a selection of the best papers from the eighteenth edition of the Forum on Specification and Design Languages Conference (FDL), which took place on September 14-16, 2015, in

Barcelona, Spain. FDL is a well-established international forum devoted to dissemination of research results, practical experiences and new ideas in the application of specification, design and verification languages to the design, modeling and verification of integrated circuits, complex hardware/software embedded systems, and mixed-technology systems. *Agile and Lean Service-Oriented Development: Foundations, Theory, and Practice* - Wang, Xiaofeng 2012-11-30

Challenges in unpredictable markets, changing customer requirements, and advancing information technologies have led to progression towards service oriented engineering and agile and lean software development. These prevailing approaches to software systems provide solutions to challenges in demanding business environments. *Agile and Lean Service-Oriented Development: Foundations, Theory and Practice* explores the groundwork of service-oriented and agile and lean development and the conceptual basis and experimental evidences for the combination of the two approaches. Highlighting the best tools and guidelines for these developments in practice, this book is essential for researchers and practitioners in the software development and service computing fields.

Analysis, Design, and Optimization of Embedded Control Systems - Amir Aminifar 2016-02-18

Today, many embedded or cyber-physical systems, e.g., in the automotive domain, comprise several control applications, sharing the same platform. It is well known that such resource sharing leads to complex temporal behaviors that degrades the quality of control, and more importantly, may even jeopardize stability in the worst case, if not properly taken into account. In this thesis, we consider embedded control or cyber-physical systems, where several control applications share the same processing unit. The focus is on the control-scheduling co-design problem, where the controller and scheduling parameters are jointly optimized. The fundamental difference between control applications and traditional embedded applications motivates the need for novel methodologies for the design and optimization of embedded control systems. This thesis is one more step towards correct design and

optimization of embedded control systems. Offline and online methodologies for embedded control systems are covered in this thesis. The importance of considering both the expected control performance and stability is discussed and a control-scheduling co-design methodology is proposed to optimize control performance while guaranteeing stability. Orthogonal to this, bandwidth-efficient stabilizing control servers are proposed, which support compositionality, isolation, and resource-efficiency in design and co-design. Finally, we extend the scope of the proposed approach to non-periodic control schemes and address the challenges in sharing the platform with self-triggered controllers. In addition to offline methodologies, a novel online scheduling policy to stabilize control applications is proposed.

Innovations in Embedded and Real-Time Systems Engineering for Communication - Virtanen, Seppo 2012-04-30

"This book has collected the latest research within the field of real-time systems engineering, and will serve as a vital reference compendium for practitioners and academics"--Provided by publisher.

Handbook of Service Science, Volume II - Paul P. Maglio 2018-10-16

The second volume of this successful handbook represents varied perspectives on the fast-expanding field of Service Science. The novel work collected in these chapters is drawn from both new researchers who have grown-up with Service Science, as well as established researchers who are adapting their frames for the modern service context. The first Handbook of Service Science marked the emergence of Service Science when disciplinary studies of business-to-customer service systems intertwined to meet the needs of a new era of business-to-business and global service ecosystems. Today, the evolving discipline of Service Science involves advanced technologies, such as smartphones, cloud, social platforms, big data analytics, and artificial intelligence. These technologies are reshaping the service landscape, transforming both business models and public policy, ranging from retail and hospitality to transportation and communications. By looking through the eyes of today's new Service Scientists, it is anticipated that value and grand challenges will emerge from the integration of theories, methods,

and techniques brought together in the first volume, but which are now rooted more deeply in service-dominant logic and systems thinking in this second volume. The handbook is divided into four parts: 1) Service Experience--On the Human-centered Nature of Service; 2) Service Systems--On the Nature of Service Interactions; 3) Service Ecosystems--On the Broad Context of Service; 4) Challenges--On Rethinking the Theory and Foundations of Service Science. The chapters add clarity on how to identify, enable, and measure service, thus allowing for new ideas and connections made to physics, design, computer science, and data science and analytics for advancing service innovation and the welfare of society. Handbook of Service Science, Volume II offers a thorough reference suitable for a wide-reaching audience including researchers, practitioners, managers, and students who aspire to learn about or to create a deeper scientific foundation for service design and engineering, service experience and marketing, and service management

and innovation.

Integrated Circuit and System Design: Power and Timing Modeling, Optimization and Simulation - José Monteiro 2010-02-06

This book constitutes the thoroughly refereed post-conference proceedings of 19th International Workshop on Power and Timing Modeling, Optimization and Simulation, PATMOS 2009, featuring Integrated Circuit and System Design, held in Delft, The Netherlands during September 9-11, 2009. The 26 revised full papers and 10 revised poster papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on variability & statistical timing, circuit level techniques, power management, low power circuits & technology, system level techniques, power & timing optimization techniques, self-timed circuits, low power circuit analysis & optimization, and low power design studies.