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Global Navigation Satellite Systems Programming Languages
and Systems Advancing Information Systems Theories Hybrid
Systems II Transactions on Large-Scale Data- and Knowledge
Centered Systems L Springer Handbook of Engineering
Statistics Dynamical Systems Model-Driven Engineering
Languages and Systems Architecting Dependable Systems V
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ECONOMETRICS Software Engineering Perspectives and
Application in Intelligent Systems Simulating Spacecraft
Systems Discrete and Continuous Dynamical Systems Advances
in Production Management Systems. Value Networks:
Innovation, Technologies, and Management Software
Engineering and Computer Systems, Part II Leveraging
Applications of Formal Methods, Verification and Validation.
Specialized Techniques and Applications Systematic
Introduction to Expert Systems Lotka-Volterra-approach to
Cooperation and Competition in Dynamic Systems Planning
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Handbook of Computational Intelligence Online Location of

Faults on AC Cables in Underground Transmission Systems
House documents Computational Intelligence in Information
Systems Business Information Systems Workshops Energy
Systems and Management Open Quantum Systems Far from
Equilibrium Power System Engineering International
Conference on Dependable Systems and Networks
Reconfigurable Systems 2014 International Conference on
Computer, Network Cyber-Physical Systems Security UWB
Communication Systems: Conventional and 60 GHz
Warehousing in the Global Supply Chain The Nation The Solar
System Journal of VLSI Signal Processing Systems for Signal
Image, and Video Technology ACM SIGPLAN Notices

Power System Engineering Aug 23 2020 With its focus on the
requirements and procedures of tendering and project
contracting, this book enables the reader to adapt the basic
power systems and equipment design to special tasks and
engineering projects, e.g. the integration of renewable energy
sources.

Lotka-Volterra-approach to Cooperation and Competition in
Dynamic Systems Jan 01 2021

Journal of VLSI Signal Processing Systems for Signal, Image
and Video Technology Nov 13 2019

Springer Handbook of Global Navigation Satellite Systems
20 2023 This Handbook presents a complete and rigorous
overview of the fundamentals, methods and applications of
multidisciplinary field of Global Navigation Satellite Systems
(GNSS), providing an exhaustive, one-stop reference work and
a state-of-the-art description of GNSS as a key technology

science and society at large. All global and regional satellite navigation systems, both those currently in operation and those under development (GPS, GLONASS, Galileo, BeiDou, QZSS, IRNSS/NAVIC, SBAS), are examined in detail. The functional principles of receivers and antennas, as well as the advanced algorithms and models for GNSS parameter estimation, are rigorously discussed. The book covers the broad and diverse range of land, marine, air and space applications, from everyday GNSS to high-precision scientific applications and provides detailed descriptions of the most widely used GNSS format standards, covering receiver formats as well as IGS product and meta-data formats. The full coverage of the field of GNSS is presented in seven parts, from its fundamentals, through the treatment of global and regional navigation satellite systems, of receivers and antennas, and of algorithms and models, up to the broad and diverse range of applications in areas of positioning and navigation, surveying, geodesy and geodynamics, and remote sensing and timing. Each chapter is written by international experts and amply illustrated with figures and photographs, making the book an invaluable resource for scientists, engineers, students and institutions alike.

Hybrid Systems Oct 17 2022 This book documents the scientific outcome of the Third International Workshop on Hybrid Systems, held in Ithaca, NY, USA, in October 1994. It presents a selection of carefully reviewed and revised full papers chosen from the workshop contribution and is the successful LNCS 736, the seminal "Hybrid Systems" volume edited by Grossman, Nerode, Ravn, and Rischel. Hybrid systems are

models for networks of digital and continuous devices, in which digital control programs sense and supervise continuous and discrete plants governed by differential or difference equations. The investigation of hybrid systems is creating a new and fascinating discipline bridging mathematics, computer science, and control engineering.

Cyber-Physical Systems Security April 18 2020 The chapters in this book present the work of researchers, scientists, engineers, and teachers engaged with developing unified foundations, principles, and technologies for cyber-physical security. They adopt a multidisciplinary approach to solving related problems in next-generation systems, representing views from academic government bodies, and industrial partners, and their contributions discuss current work on modeling, analyzing, and understanding cyber-physical systems.

Transactions on Large-Scale Data- and Knowledge-Centered Systems Sep 16 2022 The LNCS journal Transactions on Large-Scale Data and Knowledge-Centered Systems focuses on data management, knowledge discovery, and knowledge processing, which are core and hot topics in computer science. Since the 1990s, the Internet has become the main driving force behind application development in all domains. An increase in the demand for resource sharing (e.g., computing resources, services, metadata, data sources) across different sites connected through networks has led to an evolution of data and knowledge-management systems from centralized systems to decentralized systems enabling large-scale distributed applications providing high scalability. This, the 50th issue of Transactions on Large-Scale Data and Knowledge-Centered

Systems, contains five fully revised selected regular papers. Topics covered include data anonymization, quasi-identifier discovery methods, symbolic time series representation, detection of anomalies in time series, data quality management in biobanks, and the use of multi-agent technology in the design of intelligent systems for maritime transport.

Programming Languages and Systems Dec 19 2022 This book constitutes the refereed proceedings of the 9th Asian Symposium on Programming Languages and Systems, APLAS 2011, held in Kenting, Taiwan, in December 2011. The 22 revised full papers presented together with 4 invited talks on one system and tool presentations were carefully reviewed and selected from 64 submissions. The papers are organized into topical sections on program analysis; functional programming; compiler; concurrency; semantics; as well as certification and logic.

ACM SIGPLAN Notices Oct 13 2019

Springer Handbook of Power Systems Feb 21 2023 This handbook offers a comprehensive source for electrical power professionals. It covers all elementary topics related to the design, development, operation and management of power systems, and provides an insight from worldwide key players in the electrical power systems industry. Edited by a renowned leader and expert in Power Systems, the book highlights international professionals' longstanding experiences and addresses the requirements of practitioners but also of newcomers in this field in finding a solution for their problems. The structure of the book follows the physical structure of a power system from the fundamentals through components

equipment to the overall system. In addition the handbook covers certain horizontal matters, for example "Energy fundamentals", "High voltage engineering", and "High current and contact technology" and thus intends to become a major one-stop reference for all issues related to the electrical power system.

Advancing Information Systems Theories 18 2022 The information systems (IS) field represents a multidisciplinary area that links the rapidly changing technology of information (or communications and information technology, ICT) to the business and social environment. Despite the potential that the IS field has to develop its own native theories to address complex issues involving ICT it has consistently borrowed theories from its "reference disciplines," often uncritically, to legitimize its research. This volume is the first of a series intended to advance IS research beyond this form of borrowed legitimization and derivative research towards fresh and original research that naturally comes from its own theories. It is inconceivable for a field so relevant to the era of the hyper-connected society, with disruptive technologies, big data, social media, "fake news" and the weaponization of information to not be brimming with its own theories. The first step in reaching the goal of developing native IS theories is to reach an agreement on the need for theory (its rationale) and its role as the most distinctive product of human intellectual activity. This volume addresses what theories are, why bother with theories and the process of theorizing itself because the process of developing theories cannot be divorced from the product of that process. It will set out a research agenda for decades to come and will be

invaluable reading for any academic in the IS field and related disciplines concerned with information, systems, technology, and their management.

Systematic Introduction to Expert Systems 2021 At present one of the main obstacles to a broader application of expert systems is the lack of a theory to tell us which problem-solving methods are available for a given problem class. Such a theory could lead to significant progress in the following areas of the expert system technique: - Evaluating the technical feasibility of expert system projects: This depends on whether there is a suitable problem-solving method, and if possible a corresponding tool, for the given problem class. - Simplifying knowledge acquisition and maintenance: The problem-solving methods provide direct assistance as interpretation models for knowledge acquisition. Also, they make possible the development of problem-specific expert system tools with graphical knowledge acquisition components, which can be used even by experts without programming experience. - Making use of expert systems as a knowledge medium: The structured knowledge in expert systems can be used not only for problem solving but also for knowledge communication and tutorial purposes. With such a theory in mind, this book provides a systematic introduction to expert systems. It describes the basic knowledge representations and the present situation with regard to the identification, realization, and integration of problem-solving methods for the main problem classes of expert systems: classification (diagnostics), construction, and simulation.

Architecting Dependable Systems May 12 2022 As software

systems become increasingly ubiquitous, issues of dependability become ever more crucial. Given that solutions to these issues must be considered from the very beginning of the design process, it is clear that dependability and security have to be addressed at the architectural level. This book, as well as its predecessors, was born of an effort to bring together the research communities of software architectures, dependability, and security. This state-of-the-art survey contains expanded peer-reviewed papers based on selected contributions from the Workshop on Architecting Dependable Systems (WADS 2009) held at the International Conference on Dependable Systems and Networks (DSN 2009), as well as a number of invited papers written by renowned experts in the area. The 13 papers are organized in topical sections on: mobile and ubiquitous systems, architecting systems, fault management, and experience and vision.

Advances in Production Management Systems. Value Networks: Innovation, Technologies, and Management 2011
2021 This book constitutes the thoroughly refereed post-conference proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems APMS 2011, held in Stavanger, Norway, in September 2011. The 66 revised and extended full papers were carefully reviewed and selected from 124 papers presented at the conference. The papers are organized in 3 parts: production process, supply chain management, and strategy. They represent the breadth and complexity of topics in operations management, ranging from optimization and use of technology, management of organizations and networks, to sustainable production and

globalization. The authors use a broad range of methodology approaches spanning from grounded theory and qualitative methods, via a broad set of statistical methods to modeling simulation techniques.

Applied Informatics and Cybernetics in Intelligent Systems
Mar 10 2022 This book gathers the refereed proceedings of Applied Informatics and Cybernetics in Intelligent Systems Section of the 9th Computer Science On-line Conference 2020 (CSOC 2020), held on-line in April 2020. Modern cybernetic and computer engineering in connection with intelligent systems are an essential aspect of ongoing research. This book addresses these topics, together with automation and control theory, cybernetic applications, and the latest research trends.

Springer Handbook of Computational Intelligence
Mar 30 2021 The Springer Handbook for Computational Intelligence is the first book covering the basics, the state-of-the-art and important applications of the dynamic and rapidly expanding discipline of computational intelligence. This comprehensive handbook makes readers familiar with a broad spectrum of approaches to solve various problems in science and technology. Possible approaches include, for example, those being inspired by biology, living organisms and animate systems. Content is organized in seven parts: foundations; fuzzy logic; rough set theory; evolutionary computation; neural networks; swarm intelligence and hybrid computational intelligence systems. Each Part is supervised by its own Part Editor(s) so that high-quality content as well as completeness are assured.

Model-Driven Engineering Languages and Systems
Jun 13 2022 This book constitutes the refereed proceedings of the

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

Simulating Spacecraft Systems Dec 07 2021 Satellite development worldwide has significantly changed within the last decade and has been accelerated and optimized by modern simulation tools. The classic method of developing and testing several models of a satellite and its subsystems with the aim to build a pre-flight and finally a flight model is being replaced more and more by a considerably faster and more inexpensive method. The new approach no longer includes functional tests on entire spacecraft level but a system simulation. This way overall project runtimes can be shortened. But also significantly more complex systems can be managed and success oriented tests on integration and software level can be realized before launch. Applying modern simulation infrastructures already during spacecraft development phase, enables the consistent functionality checking of all systems both in detail and concerning their interaction. Furthermore, they enable checking of the system's proper functionality, their reliability and safety redundancy. But also analysis regarding aging and lifetime issues can be performed by simulation. Project-related

simulations of operational scenarios, for example with remote sensing satellites, and the checking of different operational modes are of similar importance. On the whole, risk is reduced significantly and the satellite can be produced in a considerably more cost efficient way, with higher quality and in shorter periods of time. Therefore "Simulating Spacecraft Systems" - the title of the present book - is an important domain of mechatronic system engineering, which meanwhile has successfully established a position in many other sectors of industry and research, too.

Legal Knowledge and Information Systems April 11 2022 In the same way that it has become part of all our lives, computer technology is now integral to the work of the legal profession. The JURIX Foundation has been organizing annual international conferences in the area of computer science and law since 1988, and continues to support cutting-edge research and applications at the interface between law and computer technology. This book contains the 16 full papers and 6 short papers presented at the 26th International Conference on Knowledge and Information Systems (JURIX 2013), held in December 2013 in Bologna, Italy. The papers cover a wide range of research topics and application areas concerning the advanced management of legal information and knowledge, including computational techniques for: classifying and extracting information from, and detecting conflicts in, regulatory texts; modeling legal argumentation and representing case narratives; improving the retrieval of legal information and extracting information from legal case texts; conducting e-discovery; and, applications involving intellectual

property and IP licensing, online dispute resolution, delivering legal aid to the public and organizing the administration of local law and regulations. The book will be of interest to all those associated with the legal profession whose work involves the use of computer technology.

The Solar System Dec 15 2019 Covers 180 features of Earth's solar system, including every major body and phenomenon, offering detailed basic information on all major aspects.

Computational Intelligence in Information Systems Dec 27 2020 This book constitutes the Proceeding of the Computational Intelligence in Information Systems conference (CIIS 2020) held in Brunei, January 25–27, 2021. The CIIS conference provides a platform for researchers to exchange the latest and to present new research advances in general areas related to computational intelligence and its applications. The 23 revised papers presented in this book have been carefully selected from 55 submissions.

Online Location of Faults on AC Cables in Underground Transmission Systems Feb 26 2021 This book reports on various techniques for fault location on cross bonded cable and identifies the best method and describes the construction of a full fault locator system. The developed system is able of pinpointing the fault location on long cross-bonded cable systems and will be installed in Danish substations for monitoring the coming cable-based transmission grid. The work was conducted as part of a collaborative project between the department of energy technology at Aalborg University and the Danish transmission system operator for electricity and natural gas, Energinet.dk.

Discrete and Continuous Dynamical Systems Nov 06 2021
Leveraging Applications of Formal Methods, Verification and Validation. Specialized Techniques and Applications Aug 03 2021
The two-volume set LNCS 8802 and LNCS 8803 constitutes the refereed proceedings of the 6th International Symposium on Leveraging Applications of Formal Methods, Verification and Validation, ISoLA 2014, held in Imperial, Corfu, Greece, in October 2014. The total of 67 full papers carefully reviewed and selected for inclusion in the proceedings. Featuring a track introduction to each section, the papers are organized in topical sections named: evolving critical systems; rigorous engineering of autonomic ensembles; automata learning; formal methods and analysis in software product engineering; model-based code generators and compilers; engineering virtualized systems; statistical model checking; based testing; medical cyber-physical systems; scientific workflows; evaluation and reproducibility of program analysis processes and data integration in the networked healthcare; semantic heterogeneity in the formal development of complex systems. In addition, part I contains a tutorial on automata learning in practice; as well as the preliminary manifesto to LNCS Transactions on the Foundations for Mastering Change with several position papers. Part II contains information on the industrial track and the doctoral symposium and poster sessions.

JOURNAL OF ECONOMETRICS Feb 09 2022

2014 International Conference on Computer, Network and Communication Security May 20 2020
The objective of the 2014 International Conference on Computer, Network Security and Communication Engineering (CNSCE2014) is to provide a platform for all researchers in

field of Computer, Network Security and Communication Engineering to share the most advanced knowledge from both academic and industrial world, to communicate with each other about their experience and most up-to-date research achievements, and to discuss issues and future prospects in these fields. As an international conference mixed with academia and industry, CNSCE2014 provides attendees not only the free exchange of ideas and challenges faced by the two key stakeholders and encourage future collaboration between members of these groups but also a good opportunity to make friends with scholars around the world. As the first series of the international conference on CNSCE, it covers topics related to Computer, Network Security and Communication Engineering. CNSCE2014 has attracted many scholars, researchers and practitioners in these fields from various countries. They take this chance to get together, sharing their latest research achievements with each other. It has also achieved great success by its unique characteristics and strong academic atmosphere as well as its authority.

Software Engineering Perspectives and Application in Intelligent Systems on 08 2022 The volume Software Engineering Perspectives and Application in Intelligent Systems presents new approaches and methods to real-world problems and in particular, exploratory research that describes novel approaches in the field of Software Engineering. Particular emphasis is laid on modern trends in selected fields of intelligent systems. New algorithms or methods in a variety of fields are also presented. The 5th Computer Science On-line Conference (CSOC 2016) is intended to provide an international forum

discussions on the latest research results in all areas related to Computer Science. The addressed topics are the theoretical aspects and applications of Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering.

International Conference on Dependable Systems and Networks Jul 22 2020 Annotation These proceedings from a June 2002 conference present new results from research experiences in areas including hardware architecture and design, distributed computing, security and intrusion tolerance software techniques, dependability modeling and evaluation and networking. Other themes include failure detectors, Internet performance and dependability, and measurement analysis of distributed systems. Specific topics include an adaptive decomposition approach for the analysis of stochastic Petri nets, self-organizing systems with self-diagnosability, process modeling to support dependability arguments, and secure intrusion-tolerant replication on the Internet. Work at the conference reflects an increased emphasis in the field on systems design and implementation. There is no subject index. Annotation copyrighted by Book News, Inc., Portland, OR.

UWB Communication Systems: Conventional and 60 GHz Mar 18 2020 In this book the author examines 60 GHz and conventional UWB. The book introduces the fundamentals, architectures, and applications of unified ultra wideband devices. The material includes both theory and practice and introduces ultra wideband communication systems and their applications in a systematic manner. The material is written to enable readers to design, analyze, and evaluate UWB

communication systems.

Springer Handbook of Engineering Statistics Aug 15 2022 In today's global and highly competitive environment, continuous improvement in the processes and products of any field of engineering is essential for survival. This book gathers together the full range of statistical techniques required by engineers from all fields. It will assist them to gain sensible statistical feedback on how their processes or products are functioning and to give them realistic predictions of how these could be improved. The handbook will be essential reading for all engineers and engineering-connected managers who are serious about keeping their methods and products at the cutting edge of quality and competitiveness.

Energy Systems and Management Oct 25 2020 Readers of this work will find examinations of the current status and future status for energy sources and technologies, their environmental interactions and the relevant global energy policies. The work begins with an overview of Energy Technologies for a Sustainable Future, which examines the correlation between population, economy and energy consumption in the past, and reviews the conventional and renewable energy sources as well as the management of them to sustain the ever-growing energy demand in the future. The rest of the chapters are divided into two parts; the first part of the book, "Energy Sources, Technology and Environment", consists of 12 chapters, which include research on new energy technologies and evaluation of their environmental effects. The second part "Advanced Energy Materials" includes 7 chapters devoted to research on materials science for new energy technologies. The final section title

“Energy Management, Economics and Policy” is comprised of 10 chapters about planning, controlling and monitoring energy related processes together with the policies to satisfy the needs of increasing population and growing economy. The chapters are selected works from the International Conference on Energy and Management, which was organized by Istanbul Bilgi University Department of Energy Systems Engineering and PALMET Energy to share the knowledge on the recent trends, scientific developments, innovations and management methods in energy, and held on 5–7th June 2014 at Istanbul Bilgi University.

House document Jan 28 2021

Warehousing in the Global Supply Chain Feb 15 2020 With increased globalization and offshore sourcing, global supply chain management is becoming an important issue for many businesses as it involves a company's worldwide interests and suppliers rather than simply a local or national orientation. Warehouse storage systems significantly affect the level of quality of products, the customer's service level, and the global logistics cost. The mission of warehousing systems design, control and optimization is to effectively ship products in the right place, the right time, and in the right quantity (i.e. in any configuration) without any damages or alterations, and minimizing costs. Warehousing in the Global Supply Chain presents and discusses a set of models, tools and real applications, including a few case studies rarely presented in a sufficient detail by other literature, to illustrate the main challenges in warehousing activities. This includes all warehouse operations (from receiving to shipping), problem

and issues (e.g. storage allocation, assignment, layout, vehicle routing) for industrial and service systems as parts of global supply chains. Advanced and effective solving methods are also illustrated and the discussed case studies help the reader to quickly apply the proposed models and techniques/algorithms. Warehousing in the Global Supply Chain is useful to managers and practitioners of industry and service sectors for the determination and modeling of the critical issues concerning warehousing systems planning and design. It is a valuable source of information for engineering students, doctoral and post-doctoral students, and researchers of academic institutions who are searching for advanced modeling approaches and solving techniques to complex logistic decision making problems. Warehousing in the Global Supply Chain presents and discusses a set of models, tools and real applications, including a few case studies rarely presented with a sufficient detail by other literature, to illustrate the main challenges in warehousing activities. This includes all warehouse operations (from receiving to shipping), problems and issues (e.g. storage allocation, assignment, layout, vehicle routing) for industrial and service systems as parts of global supply chains. Advanced and effective solving methods are also illustrated and the discussed case studies help the reader to quickly apply the proposed models and techniques/algorithms. Warehousing in the Global Supply Chain is useful to managers and practitioners of industry and service sectors for the determination and modeling of the critical issues concerning warehousing systems planning and design. It is a valuable source of information for engineering students, doctoral and post-doctoral students,

researchers of academic institutions who are searching for advanced modeling approaches and solving techniques to complex logistic decision making problems.

Business Information Systems Workshops 25 2020 This book constitutes revised papers from the nine workshops and one accompanying event which took place at the 22nd International Conference on Business Information Systems, BIS 2019, held in Seville, Spain, in June 2019. There was a total of 139 submissions to all workshops of which 57 papers were accepted for publication. The workshops included in this volume are: AKTB 2019: 11th Workshop on Applications of Knowledge-Based Technologies in Business BITA 2019: 10th Workshop on Business and IT Alignment BSCT 2019: Second Workshop on Blockchain and Smart Contract Technologies DigEX 2019: First International Workshop on transforming the Digital Customer Experience iCRM 2019: 4th International Workshop on Intelligent Data Analysis in Integrated Social CRM IDEATE 2019: 4th Workshop on Big Data and Business Analytics Ecosystems ISMAD 2019: Workshop on Information Systems and Applications in Maritime Domain QOD 2019: Second Workshop on Quality of Open Data SciBOWater 2019: Second Workshop on Scientific Challenges and Business Opportunities in Water Management

Reconfigurable Systems 20 2020

Software Engineering and Computer Systems, Part 1

2021 This Three-Volume-Set constitutes the refereed proceedings of the Second International Conference on Software Engineering and Computer Systems, ICSECS 2011, held in Kuantan, Malaysia, in June 2011. The 190 revised full

papers presented together with invited papers in the three volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections of software engineering; network; bioinformatics and e-health; biometrics technologies; Web engineering; neural network; parallel and distributed e-learning; ontology; image processing; information and data management; engineering; software security; graphics and multimedia; databases; algorithms; signal processing; software design/testing; e-technology; ad hoc networks; social networks; software process modeling; miscellaneous topics in software engineering and computer systems.

Dynamical Systems Jul 14 2022 Breadth of scope is unique Author is a widely-known and successful textbook author Unlike many recent textbooks on chaotic systems that have superficial treatment, this book provides explanations of the deep underlying mathematical ideas No technical proofs, but introduction to the whole field that is based on the specific analysis of carefully selected examples Includes a section on cellular automata

The Nation Jan 16 2020

Planning and Scheduling in Manufacturing and Services Apr 30 2021 This book focuses on planning and scheduling applications. Planning and scheduling are forms of decision-making that play an important role in most manufacturing and services industries. The planning and scheduling functions in a company typically use analytical techniques and heuristic methods to allocate its limited resources to the activities that have to be done. The application areas considered in this book

are divided into manufacturing applications and services applications. The book covers five areas in manufacturing: project scheduling, job shop scheduling, scheduling of flexible assembly systems, economic lot scheduling, and planning and scheduling in supply chains. It covers four areas in services: reservations and timetabling, tournament scheduling, planning and scheduling in transportation, and workforce scheduling. At the end of each chapter, a case study or a system implementation is described in detail. Numerous examples and exercises throughout the book illustrate the material presented. The fundamentals concerning the methodologies used in the application chapters are covered in the appendices. The book comes with a CD-ROM that contains various sets of power slides. The CD also contains several planning and scheduling systems that have been developed in academia as well as optimization software that has been developed in industry. The book is suitable for more advanced students in industrial engineering and operations research as well as graduate students in business. Michael Pinedo is the Julius Schlesinger Professor of Operations Management in the Stern School of Business at New York University. His research interests lie in the theoretical and applied aspects of planning and scheduling. He has written numerous papers on the theory of deterministic and stochastic scheduling and has also consulted extensively in industry. He has been actively involved in the development of several large industrial planning and scheduling systems.

Open Quantum Systems Far from Equilibrium
Sep 23 2020
This monograph provides graduate students and also professional researchers aiming to understand the dynamic

open quantum systems with a valuable and self-contained toolbox. Special focus is laid on the link between microscopic models and the resulting open-system dynamics. This includes how to derive the celebrated Lindblad master equation with applying the rotating wave approximation. As typical representatives for non-equilibrium configurations it treats systems coupled to multiple reservoirs (including the description of quantum transport), driven systems and feedback-controlled quantum systems. Each method is illustrated with easy-to-understand examples from recent research. Exercises and short summaries at the end of every chapter enable the reader to approach the frontiers of current research quickly and make the book useful for quick reference.

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