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Information Springer Handbook of Optical Networks Springer Handbook of Automation Analytical Ultracentrifugation VI □
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Research Papers published in Springer,Wiley,Taylor Francis VOL-II: on Energy and environmental sustainability

2018-06-20

research papers published in springer wiley taylor francis vol ii on energy and environmental sustainability

Customization 4.0

2004-05-01

this proceedings volume presents the latest research from the worldwide mass customization personalization mcp community bringing together new thoughts and results from various disciplines within the field the chapters are based on papers from the mcpc 2017 the book showcases research and practice from authors that see mcp as an opportunity to extend or even revolutionize current business models the current trends of industrie 4 0 digital manufacturing and the rise of smart products allow for a fresh perspective on mcp customization 4 0 the book places a new set of values in the centre of the debate a world with finite resources global population growth and exacerbating climate change needs smart thinking to engage the most effective capabilities and resources it discusses how customization 4 0 fosters sustainable development and creates shared value for companies customers consumers and the society as a whole the chapters of this book are contributed by a wide range of specialists offering cutting edge research as well as insightful advances in industrial practice in key areas the mcpc 2017 has a strong focus on real life mcp applications and this proceedings volume reflects this mcp strategies aim to profit from the fact that people are different their objective is to turn customer heterogeneities into opportunities hence addressing long tail business models the objective of mcp is to provide goods and services that best serve individual customers needs with near mass production efficiency this proceedings volume highlights the interdisciplinary work of thought leaders technology developers and researchers with corporate entrepreneurs putting these strategies into practice chapter 24 is open access under a cc by 4 0 license via link springer.com

Maida Springer

2022-06-25

maida springer was an active participant in shaping a history that involved powerful movements for social political and economic equality and justice for workers women and african americans maida springer is the first full length biography to document and analyze the central role played by springer in international affairs particularly in the formation of afl cio s african policy during the cold war and african independence movements richards explores the ways in which pan africanism racism sexism and anti communism affected springer s political development her labor activism and her relationship with labor leaders in the afl cio the international confederation of free trade unions icftu and in african unions springer s life experiences and work reveal the complex nature of black struggles for equality and justice a strong supporter of both the afl cio and the icftu springer nonetheless recognized that both organizations were fraught with racism sexism and ethnocentrism she also understood that charges of communism were often used as a way to thwart african american demands for social justice as an african american she found herself in the unenviable position of promoting to africans the ideals of american democracy from which she was excluded from fully enjoying richards s biography of maida springer uniquely connects pan africanism national and international labor relations the cold war and african american labor women s and civil rights histories in addition to documenting springer s role in international labor relations the biography provides a larger view of a whole range of political leaders and social movements maida springer is a stirring biography that spans the fields of women studies african american studies and labor history

Springer Handbook of Inorganic Photochemistry

2005-12-08

the handbook comprehensively covers the field of inorganic photochemistry from the fundamentals to the main applications the first section of the book describes the historical development of inorganic photochemistry along with the fundamentals related to this multidisciplinary scientific field the main experimental techniques employed in state of art

component manufacturers to help them make better decisions in the implementation of additive manufacturing and its applications

Research papers on Environment and Energy sustainability published in Springer,Wiley,Taylor francis Vol- I: Research papers by Madhab chandra

2008-07

research papers on environment and energy sustainability published in springer wiley taylor francis vol i research papers by madhab chandra

College & Research Libraries News

2000

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2008-05-20

with the science of robotics undergoing a major transformation just now springer s new authoritative handbook on the subject couldn t have come at a better time having broken free from its origins in industry robotics has been rapidly

expanding into the challenging terrain of unstructured environments unlike other handbooks that focus on industrial applications the springer handbook of robotics incorporates these new developments just like all springer handbooks it is utterly comprehensive edited by internationally renowned experts and replete with contributions from leading researchers from around the world the handbook is an ideal resource for robotics experts but also for people new to this expanding field

Choice

2020-12-09

this resource covers all areas of interest for the practicing engineer as well as for the student at various levels and educational institutions it features the work of authors from all over the world who have contributed their expertise and support the globally working engineer in finding a solution for today s mechanical engineering problems each subject is discussed in detail and supported by numerous figures and tables

Springer Handbook of Robotics

2000

with its theme our information always and forever part i of this book covers the basics of personal information management pim including six essential activities of pim and six different ways in which information can be personal to us part i then goes on to explore key issues that arise in the great migration of our information onto the and into a myriad of mobile devices part 2 provides a more focused look at technologies for managing information that promise to profoundly alter our practices of pim and through these practices the way we lead our lives part 2 is in five chapters chapter 5 technologies of input and output technologies in support of gesture touch voice and even eye movements combine to support a more natural user interface nui technologies of output include glasses and watch watches output will also increasingly be animated with options to zoom chapter 6 technologies to save our information we can opt for life logs to

record our experiences with increasing fidelity what will we use these logs for and what isn't recorded that should be
chapter 7 technologies to search our information the potential for personalized search is enormous and mostly yet to be realized persistent searches situated in our information landscape will allow us to maintain a diversity of projects and areas of interest without a need to continually switch from one to another to handle incoming information chapter 8 technologies to structure our information structure is key if we are to keep find and make effective use of our information but how best to structure and how best to share structured information between the applications we use with other people and also with ourselves over time what lessons can we draw from the failures and successes in web based efforts to share structure chapter 9 pim transformed and transforming stories from the past present and future part 2 concludes with a comparison between lickliders world of information in 1957 and our own world of information today and then we consider what the world of information is likely to look like in 2057 lickliders estimated that he spent 85 of his thinking time in activities that were clerical and mechanical and might someday be delegated to the computer what percentage of our own time is spent with the clerical and mechanical what about in 2057

Springer Handbook of Mechanical Engineering

2013-10-01

this handbook is an authoritative comprehensive reference on optical networks the backbone of today's communication and information society the book reviews the many underlying technologies that enable the global optical communications infrastructure but also explains current research trends targeted towards continued capacity scaling and enhanced networking flexibility in support of an unabated traffic growth fueled by ever emerging new applications the book is divided into four parts optical subsystems for transmission and switching core networks datacenter and super computer networking and optical access and wireless networks each chapter is written by world renowned experts that represent academia industry and international government and regulatory agencies every chapter provides a complete picture of its field from entry level information to a snapshot of the respective state of the art technologies to emerging research trends providing something useful for the novice who wants to get familiar with the field to the expert who wants to get a concise view of future trends

Annales Geophysicae

2020-10-15

this handbook incorporates new developments in automation it also presents a widespread and well structured conglomeration of new emerging application areas such as medical systems and health transportation security and maintenance service construction and retail as well as production or logistics the handbook is not only an ideal resource for automation experts but also for people new to this expanding field

Transforming Technologies to Manage Our Information

2023-06-16

this volume includes 20 contributions of the 12th meeting on analytical ultracentrifugation from march 1 2 2001 in duisburg germany various fields of ultracentrifugation are covered concerning research problems in biochemistry biophysical chemistry and macromolecular chemistry as well as interacting systems new investigations concerning the sedimentation theory are presented the phase transition of gels is dealt with as is the sedimentation diffusion equilibrium of gels one section contains the hydrodynamics of biopolymers

Springer Handbook of Optical Networks

2003-07-01

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Springer Handbook of Automation

2020-03-27

this book introduces the state of the art in research in parallel and distributed embedded systems which have been enabled by developments in silicon technology micro electro mechanical systems mems wireless communications computer networking and digital electronics these systems have diverse applications in domains including military and defense medical automotive and unmanned autonomous vehicles the emphasis of the book is on the modeling and optimization of emerging parallel and distributed embedded systems in relation to the three key design metrics of performance power and dependability key features includes an embedded wireless sensor networks case study to help illustrate the modeling and optimization of distributed embedded systems provides an analysis of multi core many core based embedded systems to explain the modeling and optimization of parallel embedded systems features an application metrics estimation model markov modeling for fault tolerance and analysis and queueing theoretic modeling for performance evaluation discusses optimization approaches for distributed wireless sensor networks high performance and energy efficient techniques at the architecture middleware and software levels for parallel multicore based embedded systems and dynamic optimization methodologies highlights research challenges and future research directions the book is primarily aimed at researchers in embedded systems however it will also serve as an invaluable reference to senior undergraduate and graduate students with an interest in embedded systems research

Analytical Ultracentrifugation VI

1999

co editors of the volume are federico Álvarez alessandro bassi michele bezzi laurent ciavaglia frances cleary petros daras hermann de meer panagiotis demestichas john domingue theo g kanter stamatis karnouskos srdjan krčo laurent lefevre jasper lentjes man sze li paul malone antonio manzalini volkmar lotz henning müller karsten oberle noel e o connor nick papanikolaou dana petcu rahim rahmani danny raz gaël richards elio salvadori susana sargento hans schaffers joan serrat

burkhard stiller antonio f skarmeta kurt tutschku theodore zahariadis the internet is the most vital scientific technical economic and societal set of infrastructures in existence and in operation today serving 2 5 billion users continuing its developments would secure much of the upcoming innovation and prosperity and it would underpin the sustainable growth in economic values and volumes needed in the future future internet infrastructures research is therefore a must the future internet assembly fia is a successful conference that brings together participants of over 150 research projects from several distinct yet interrelated areas in the european union framework programme 7 fp7 the research projects are grouped as follows the network of the future as infrastructure connecting and orchestrating the future internet of people computers devices content clouds and things cloud computing internet of services and advanced software engineering the public private partnership projects on future internet future internet research and experimentation fire the 26 full papers included in this volume were selected from 45 submissions they are organized in topical sections named software driven networks virtualization programmability and autonomic management computing and networking clouds internet of things and enabling technologies and economic incentives



2016-02-08

the basis for this volume is the 11th symposium on analytical ultracentrifugation held in march 25 26 1999 at the university of potsdam germany this book presents a comprehensive collection of 33 contributions from leading scientists in this field including technical and methodological innovations innovations in data analysis hydrodynamics modelling synthetic polymers colloids and supramolecular systems biological systems interacting systems and assemblies in contrast to the increasing significance of analytical ultracentrifugation related modern books are very rare therefore this volume will be a helpful source of information to anyone who wants to catch up with the most recent developments and results related to this important analytical method

Vietnam Journal of Mathematics

2001

this book constitutes the thoroughly refereed proceedings of the first international conference on simulation of urban mobility sumo 2013 held in berlin germany in may 2013 the 12 revised full papers presented tin this book were carefully selected and reviewed from 22 submissions the papers are organized in two topical sections models and technical innovations and applications and surveys

Modeling and Optimization of Parallel and Distributed Embedded Systems

2013-04-22

this unique book on super resolution microscopy techniques presents comparative in depth analyses of the strengths and weaknesses of the individual approaches it was written for non experts who need to understand the principles of super resolution or who wish to use recently commercialized instruments as well as for professionals who plan to realize novel microscopic devices explaining the practical requirements in terms of hardware software and sample preparation the book offers a wealth of hands on tips and practical tricks to get a setup running provides invaluable help and support for successful data acquisition and specific advice in the context of data analysis and visualization furthermore it addresses a wide array of transdisciplinary fields of applications the author begins by outlining the joint efforts that have led to achieving super resolution microscopy combining advances in single molecule photo physics fluorophore design and fluorescent labeling instrument design and software development the following chapters depict and compare current main standard techniques such as structured illumination microscopy single molecule localization stimulated emission depletion microscopy and multi scale imaging including light sheet and expansion microscopy for each individual approach the experimental setups are introduced the imaging protocols are provided and the various applications illustrated the book concludes with a discussion of future challenges addressing issues of routine applications and further commercialization of the available methods guiding users in how to make choices for the design of their own experiments from scratch to

promising application this one stop resource is intended for researchers in the applied sciences from chemistry to biology and medicine to physics and engineering

Ulrich's International Periodicals Directory

2003-07-01

this unique book provides a multidisciplinary review of current climate change research projects at universities around the globe offering perspectives from all of the natural and social sciences numerous universities worldwide pursue state of the art research on climate change focussing on mitigation of its effects as well as human adaptation to it however the 2015 paris 21st conference of the parties of the united nations framework convention on climate change unfccc cop 21 demonstrated that there is still much room for improvement in the role played by universities in international negotiations and decision making on climate change to date few scientific meetings have provided multidisciplinary perspectives on climate change in which researchers across the natural and social sciences could come together to exchange research findings and discuss methods relating to climate change mitigation and adaption studies as a result the published literature has also lacked a broad perspective this book fills that gap and is of interest to all researchers and policy makers concerned with global climate change regardless of their area of expertise

The Future Internet

2014-11-06

time for educational poetics address a discussion of today s philosophy of education and educational research educational poetics is not limited to a theoretical construction but rather focuses on creative imaginative and poetic experience to being recreated in the teaching learning process

Analytical Ultracentrifugation V

2017-12-04

this book addresses the fact that americans tend to live under a considerable amount of stress tension and anxiety and suggests that humor can be helpful in alleviating their distress it posits that humor is a useful placebo in this regard cites studies that show that humor moderates life stress considers the relationship of religion and humor especially as means to alleviate anxiety proposes that jesus had a sense of humor suggests that his parable of the laborers in the vineyard has humorous implications for the relief of occupational stress explores the relationship of gossip and humor and suggests that jesus and his disciples were a joking community it concludes that jesus viewed the kingdom of god as a worry free existence

Simulation of Urban Mobility

2017-06-02

this book constitutes the proceedings of the 25th international conference on automated deduction cade 25 held in berlin germany in august 2015 the 36 revised full papers presented 24 full papers and 12 system descriptions were carefully reviewed and selected from 85 submissions cade is the major forum for the presentation of research in all aspects of automated deduction including foundations applications implementations and practical experience

Super-Resolution Microscopy

2019-03-19

the book brings together experts working in public health and multi disciplinary areas to present recent issues in statistical methodological development and their applications this timely book will impact model development and data analyses of

public health research across a wide spectrum of analysis data and software used in the studies are available for the reader to replicate the models and outcomes the fifteen chapters range in focus from techniques for dealing with missing data with bayesian estimation health surveillance and population definition and implications in applied latent class analysis to multiple comparison and meta analysis in public health data researchers in biomedical and public health research will find this book to be a useful reference and it can be used in graduate level classes

Climate Change Research at Universities

2016-10-21

this book constitutes the proceedings of the 47th international workshop on graph theoretic concepts in computer science which was held during june 23 25 2021 the conference was planned to take place in warsaw poland but changed to an online event due to the covid 19 pandemic the 30 full papers included in this volume were carefully reviewed and selected from 73 submissions the conference aims to merge theory and practice by demonstrating how concepts from graph theory can be applied to various areas in computer science or by extracting new graph theoretic problems from applications chapter bears with hats and independence polynomials is available open access under a creative commons attribution 4 0 international license via link [springer.com](https://www.springer.com) chapters 1 6 and 22 are available open access under a creative commons attribution 4 0 international license via link [springer.com](https://www.springer.com)

Time for Educational Poetics

2015-07-30

selected peer reviewed extended articles based on abstracts presented at the 2nd international scientific practical conference machine building and energy new concepts and technologies mbenct 2023 aggregated book

Humor Us

2015-08-31

terrestrial ecosystem research infrastructures challenges and opportunities reveals how environmental research infrastructures ris provide new valuable insights on ecological processes that cannot be realized by more traditional short term funding cycles and are integral to understand our changing world this book bonds the latest state of the science knowledge on environmental ris the challenges in creating them their place in addressing scientific frontiers and the new perspectives they bear each chapter is thoughtfully invested with fresh viewpoints from the environmental ri vantage as the authors explore and explain many topics such as the rationale and challenges in global change field and modeling platforms new tools challenges in data management distilling information into knowledge and new developments in large scale ris this work serves an advantageous guide for academics and practitioners alike who aim to deepen their knowledge in the field of science and project management and logistics operations

Automated Deduction - CADE-25

2021-09-20

this volume provides the audience with an updated in depth and highly coherent material on the conceptually appealing and practically sound information technology of computational intelligence applied to the analysis synthesis and evaluation of social networks the volume involves studies devoted to key issues of social networks including community structure detection in networks online social networks knowledge growth and evaluation and diversity of collaboration mechanisms the book engages a wealth of methods of computational intelligence along with well known techniques of linear programming formal concept analysis machine learning and agent modeling human centricity is of paramount relevance and this facet manifests in many ways including personalized semantics trust metric and personal knowledge management just to highlight a few of these aspects the contributors to this volume report on various essential applications including cyber attacks detection building enterprise social networks business intelligence and forming collaboration schemes given

the subject area this book is aimed at a broad audience of researchers and practitioners owing to the nature of the material being covered and a way it is organized the volume will appeal to the well established communities including those active in various disciplines in which social networks their analysis and optimization are of genuine relevance those involved in operations research management various branches of engineering and economics will benefit from the exposure to the subject matter

Innovative Statistical Methods for Public Health Data

2024-04-25

data driven dynamical systems is a burgeoning field it connects how measurements of nonlinear dynamical systems and or complex systems can be used with well established methods in dynamical systems theory this is a critically important new direction because the governing equations of many problems under consideration by practitioners in various scientific fields are not typically known thus using data alone to help derive in an optimal sense the best dynamical system representation of a given application allows for important new insights the recently developed dynamic mode decomposition dmd is an innovative tool for integrating data with dynamical systems theory the dmd has deep connections with traditional dynamical systems theory and many recent innovations in compressed sensing and machine learning dynamic mode decomposition data driven modeling of complex systems the first book to address the dmd algorithm presents a pedagogical and comprehensive approach to all aspects of dmd currently developed or under development blends theoretical development example codes and applications to showcase the theory and its many innovations and uses highlights the numerous innovations around the dmd algorithm and demonstrates its efficacy using example problems from engineering and the physical and biological sciences and provides extensive matlab code data for intuitive examples of key methods and graphical presentations

Graph-Theoretic Concepts in Computer Science

2002

this journal is devoted to the latest research on physics publishing articles on everything from elementary particle behavior to black holes and the history of the universe

2nd International Scientific-Practical Conference Machine Building and Energy: New Concepts and Technologies (MBENCT)

2017-03-03

this handbook provides an overview on wood science and technology of unparalleled comprehensiveness and international validity it describes the fundamental wood biology chemistry and physics as well as structure property relations of wood and wood based materials the different aspects and steps of wood processing are presented in detail from both a fundamental technological perspective and their realisation in industrial contexts the discussed industrial processes extend beyond sawmilling and the manufacturing of adhesively bonded wood products to the processing of the various wood based materials including pulp and paper natural fibre materials and aspects of bio refinery core concepts of wood applications quality and life cycle assessment of this important natural resource are presented the book concludes with a useful compilation of fundamental material parameters and data as well as a glossary of terms in accordance with the most important industry standards written and edited by a truly international team of experts from academia research institutes and industry thoroughly reviewed by external colleagues this handbook is well attuned to educational demands as well as providing a summary of state of the art research trends and industrial requirements it is an invaluable resource for all professionals in research and development and engineers in practise in the field of wood science and technology

Ulrich's Periodicals Directory 2003

2013-12-09

includes beginning sept 15 1954 and on the 15th of each month sept may a special section school library journal issn 0000 0035 called junior libraries 1954 may 1961 also issued separately

Terrestrial Ecosystem Research Infrastructures

2016-11-23

Social Networks: A Framework of Computational Intelligence

2001

Dynamic Mode Decomposition

2023-04-01

CERN Courier

2000

Springer Handbook of Wood Science and Technology

1981

The Library Journal

Anticancer Research

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