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## **Innovation and Future of Enterprise Information Systems** - Felix Piazzolo

2013-05-15

This volume presents the revised and peer reviewed contributions of the "ERP Future 2012" conference held in Salzburg/Austria on November 11th - 12th, 2012. The conference is a platform for research in ERP systems and closely related topics like business processes, business

intelligence, and enterprise information systems in general. To master the challenges of ERP comprehensively, the ERP Future 2012 Research conference accepted contributions both with a business focus as well as with an IT focus to consider enterprise resource planning from various viewpoints. This combination of business and IT aspects is a unique characteristic of the conference and of this volume that resulted in

valuable contributions with high practical impact.

Pattern Recognition - Karina Mariela Figueroa Mora 2020-06-17

This book constitutes the proceedings of the 12th Mexican Conference on Pattern Recognition, MCPR 2020, which was due to be held in Morelia, Mexico, in June 2020. The conference was held virtually due to the COVID-19 pandemic. The 31 papers presented in this volume were carefully reviewed and selected from 67 submissions. They were organized in the following topical sections: pattern recognition techniques; image processing and analysis; computer vision; industrial and medical applications of pattern recognition; natural language processing and recognition; artificial intelligence techniques and recognition.

Augmented Reality, Virtual Reality, and Computer Graphics - Lucio Tommaso De Paolis 2019-07-27

The 2-volume set LNCS 11613 and 11614 constitutes the refereed proceedings of the 6th International Conference on Augmented Reality, Virtual Reality, and Computer Graphics, AVR 2019, held in Santa Maria al Bagno, Italy, in June 2019. The 32 full papers and 35 short papers presented were carefully reviewed and selected from numerous submissions. The papers discuss key issues, approaches, ideas, open problems, innovative applications and trends in virtual and augmented reality, 3D visualization and computer graphics in the areas of medicine, cultural heritage, arts, education, entertainment, military and industrial applications. They are organized in the following topical sections: virtual reality; medicine; augmented reality; cultural heritage; education; and industry.

CMBEBIH 2019 - Almir Badnjevic 2019-05-10  
This volume gathers the proceedings of the International Conference on Medical and Biological Engineering, which was held from 16

to 18 May 2019 in Banja Luka, Bosnia and Herzegovina. Focusing on the goal to 'Share the Vision', it highlights the latest findings, innovative solutions and emerging challenges in the field of Biomedical Engineering. The book covers a wide range of topics, including: biomedical signal processing, medical physics, biomedical imaging and radiation protection, biosensors and bioinstrumentation, bio-micro/nano technologies, biomaterials, biomechanics, robotics and minimally invasive surgery, and cardiovascular, respiratory and endocrine systems engineering. Further topics include bioinformatics and computational biology, clinical engineering and health technology assessment, health informatics, e-health and telemedicine, artificial intelligence and machine learning in healthcare, as well as pharmaceutical and genetic engineering. Given its scope, the book provides academic researchers, clinical researchers and professionals alike with a timely reference guide

to measures for improving the quality of life and healthcare.

### **Engineering News - 1891**

**Adaptive Instructional Systems** - Robert A. Sottolare 2020-07-10

This volume constitutes the refereed proceedings of the Second International Conference on Adaptive Instructional Systems, AIS 2020, which was due to be held in July 2020 as part of HCI International 2020 in Copenhagen, Denmark. The conference was held virtually due to the COVID-19 pandemic. A total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions. The 41 papers presented in this volume were organized in topical sections as follows: designing and developing adaptive instructional systems; learner modelling and methods of adaptation; evaluating the effectiveness of adaptive instructional systems. Chapter

"Exploring Video Engagement in an Intelligent Tutoring System" is available open access under a Creative Commons Attribution 4.0 International License via [link.springer.com](http://link.springer.com).  
Cumulated Index Medicus - 1998

Soft Computing in Data Science - Michael W. Berry 2019-09-23

This book constitutes the refereed proceedings of the 5th International Conference on Soft Computing in Data Science, SCDS 2019, held in Iizuka, Japan, in August 2019. The 30 revised full papers presented were carefully reviewed and selected from 75 submissions. The papers are organized in topical sections on information and customer analytics; visual data science; machine and deep learning; big data analytics; computational and artificial intelligence; social network and media analytics.

Tunnel Syndromes - Marko M. Pecina 1997

The Second Edition follows up on the interest generated by the successful first edition with

more syndromes, more illustrations, updated references, and new chapters. The purpose of the book remains the same-to provide a quick overview of the definition, anatomy, etiology, clinical symptoms and signs, and treatment of tunnel syndromes. The new edition continues to probe the origins of these painful syndromes and to propose the possible causes that lead to them. The Overview section introduces the significance of tunnel syndromes and offers a new chapter devoted to the neurophysiology and electrodiagnosis of compression syndromes. It includes information on basic electromyography analysis, nerve conduction velocity testing, problems with electromyography interpretation, and the clinical use of electrodiagnostic tests. Part I presents tunnel syndromes of the upper extremities, Part II is devoted to the trunk, and Part III discusses the lower extremities. The final section addresses how particular tunnel syndromes affect athletes. For each syndrome, the etiology, clinical symptoms and signs, and

treatment are examined in detail. Orthopedists, neurosurgeons, neurologists, sports medicine specialists, occupational and physical therapists, and medical doctors and students will all find the Second Edition of Tunnel Syndromes to be an essential update for their reference libraries.

International Conference on Innovative Computing and Communications - Deepak Gupta 2020-08-01

This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on 21-23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time

applications.

*Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications* - L. Ashok Kumar 2020-03-12

Due to the complexity, and heterogeneity of the smart grid and the high volume of information to be processed, artificial intelligence techniques and computational intelligence appear to be some of the enabling technologies for its future development and success. The theme of the book is “Making pathway for the grid of future” with the emphasis on trends in Smart Grid, renewable interconnection issues, planning-operation-control and reliability of grid, real time monitoring and protection, market, distributed generation and power distribution issues, power electronics applications, computer-IT and signal processing applications, power apparatus, power engineering education and industry-institute collaboration. The primary objective of the book is to review the current state of the art of the most relevant artificial

intelligence techniques applied to the different issues that arise in the smart grid development.

**Progress in Computing, Analytics and Networking** - Prasant Kumar Pattnaik

2018-04-10

The book focuses to foster new and original research ideas and results in three broad areas: computing, analytics, and networking with its prospective applications in the various interdisciplinary domains of engineering. This is an exciting and emerging interdisciplinary area in which a wide range of theory and methodologies are being investigated and developed to tackle complex and challenging real world problems. It also provides insights into the International Conference on Computing Analytics and Networking (ICCAN 2017) which is a premier international open forum for scientists, researchers and technocrats in academia as well as in industries from different parts of the world to present, interact, and exchange the state of art of concepts,

prototypes, innovative research ideas in several diversified fields. The book includes invited keynote papers and paper presentations from both academia and industry to initiate and ignite our young minds in the meadow of momentous research and thereby enrich their existing knowledge. The book aims at postgraduate students and researchers working in the discipline of Computer Science & Engineering. It will be also useful for the researchers working in the domain of electronics as it contains some hardware technologies and forthcoming communication technologies.

**Proceedings of the International Conference on Information Technology & Systems (ICITS 2018)** - Álvaro Rocha 2018-01-04

This book includes a selection of articles from the 2018 International Conference on Information Technology & Systems (ICITS 18), held on January 10 - 12, 2018, at the Universidad Estatal Península de Santa Elena, Libertad City, Ecuador. ICIST is a global forum

for researchers and practitioners to present and discuss recent findings and innovations, current trends, lessons learned and the challenges of modern information technology and systems research, together with their technological development and applications. The main topics covered include information and knowledge management; organizational models and information systems; software and systems modeling; software systems, architectures, applications and tools; multimedia systems and applications; computer networks, mobility and pervasive systems; intelligent and decision support systems; big data analytics and applications; human-computer interaction; ethics, computers & security; health informatics; and information technologies in education.

**Guide to Microcomputer Courseware for Bilingual Education - 1985**

The guide to courseware for computer-assisted instruction and computer-managed instruction in bilingual education, English as a second

language, and second language instruction contains entries from the National Clearinghouse for Bilingual Education's database and selected courseware for the related areas of special education, vocational education, and adult basic education. Each entry includes: (1) the name/title of the courseware program; (2) the producer's name, address, and telephone number; (3) computer hardware, memory/equipment requirements, software specifications, and courseware format; (4) the language; (5) the type of program or instructional technique; (6) the content area; (7) the grade or proficiency level; and (8) a brief abstract, with external evaluation if available. The courseware is also indexed alphabetically by title, content area, and language. (MSE)

*The New Development of Technology Enhanced Learning - Ronghuai Huang 2014-07-01*

The book addresses the main issues concerned with the new development of learning processes, innovative pedagogical changes, the effects of

new technologies on education, future learning content, which aims to gather the newest concepts, research and best practices on the frontiers of technology enhanced learning from the aspects of learning, pedagogies and technologies in learning in order to draw a picture of technology enhanced learning in the near future. Some issues like “e-learning ... m-learning ... u-learning - innovative approaches,” “the Framework and Method for Understanding the New Generation Students,” “Context-aware Mobile Role Playing Game for Learning,” “ Pedagogical issues in content creation and use: IT literacy through Spoken Tutorials,” “Supporting collaborative knowledge construction and discourse in the classroom,” “Digital Systems for Hierarchical Open Access to Education,” “ Using Annotated Patient Records to Teach Clinical Reasoning to Undergraduate Students of Medicine,” “ Utilizing Cognitive Skills Ontology for Designing Personalized Learning Environments” and “Using Interactive

Mobile Technologies to Develop Operating Room Technologies Competency” are discussed in separate chapters.

*Adaptive Instructional Systems* - Robert A. Sottolare 2019-06-14

This book constitutes the refereed proceedings of the First International Conference on Adaptive Instructional Systems, AIS 2019, held in July 2019 as part of HCI International 2019 in Orlando, FL, USA. HCII 2019 received a total of 5029 submissions, of which 1275 papers and 209 posters were accepted for publication after a careful reviewing process. The 50 papers presented in this volume are organized in topical sections named: Adaptive Instruction Design and Authoring, Interoperability and Standardization in Adaptive Instructional Systems, Instructional Theories in Adaptive Instruction, Learner Assessment and Modelling, AI in Adaptive Instructional Systems, Conversational Tutors. *Distributed Computer and Communication Networks* - Vladimir M. Vishnevskiy 2021-01-01

This book constitutes the refereed post-conference proceedings of the 23rd International Conference on Distributed and Computer and Communication Networks, DCCN 2020, held in Moscow, Russia, in September 2020. The 54 revised full papers and 1 revised short paper were carefully reviewed and selected from 167 submissions. The papers cover the following topics: computer and communication networks; analytical modeling of distributed systems; and distributed systems applications.

Science Gateways for Distributed Computing Infrastructures - Péter Kacsuk 2014-10-28

The book describes the science gateway building technology developed in the SCI-BUS European project and its adoption and customization method, by which user communities, such as biologists, chemists, and astrophysicists, can build customized, domain-specific science gateways. Many aspects of the core technology are explained in detail, including its workflow

capability, job submission mechanism to various grids and clouds, and its data transfer mechanisms among several distributed infrastructures. The book will be useful for scientific researchers and IT professionals engaged in the development of science gateways.

Machine Learning and Big Data Analytics (Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021) - Rajiv Misra 2021-09-29

This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2021) is intended to be used as a reference book for researchers and practitioners in the disciplines of computer science, electronics and telecommunication, information science, and electrical engineering. Machine learning and Big data analytics represent a key ingredients in the industrial applications for new products and services. Big data analytics applies machine learning for predictions by examining large and

varied data sets—i.e., big data—to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information that can help organizations make more informed business decisions.

**Translation in Modern Japan** - Indra Levy  
2017-07-05

The role of translation in the formation of modern Japanese identities has become one of the most exciting new fields of inquiry in Japanese studies. This book marks the first attempt to establish the contours of this new field, bringing together seminal works of Japanese scholarship and criticism with cutting-edge English-language scholarship. Collectively, the contributors to this book address two critical questions: 1) how does the conception of modern Japan as a culture of translation affect our understanding of Japanese modernity and its relation to the East/West divide? and 2) how does the example of a distinctly East Asian tradition of translation affect our understanding

of translation itself? The chapter engage a wide array of disciplines, perspectives, and topics from politics to culture, the written language to visual culture, scientific discourse to children's literature and the Japanese conception of a national literature. Translation in Modern Japan will be of huge interest to a diverse readership in both Japanese studies and translation studies as well as students and scholars of the theory and practice of Japanese literary translation, traditional and modern Japanese history and culture, and Japanese women's studies.

**Handbook of Pharmaceutical Granulation Technology** - Dilip M. Parikh 2021-05-12

This fully revised edition of Handbook of Pharmaceutical Granulation Technology covers the rapid advances in the science of agglomeration, process control, process modelling, scale-up, emerging particle engineering technologies, along with current regulatory changes presented by some of the prominent scientist and subject matter experts

around the globe. Learn from more than 50 global subject matter experts who share their years of experience in areas ranging from drug delivery and pharmaceutical technology to advances in nanotechnology. Every pharmaceutical scientist should own a copy of this fourth edition resource. Key Features: Theoretical discussions covering granulation and engineering perspectives. Covers new advances in expert systems, process modelling and bioavailability Chapters on emerging technologies in particle engineering Updated Current research and developments in granulation technologies

*Soft Computing in Condition Monitoring and Diagnostics of Electrical and Mechanical Systems* - Hasmat Malik 2020-01-17

This book addresses a range of complex issues associated with condition monitoring (CM), fault diagnosis and detection (FDD) in smart buildings, wide area monitoring (WAM), wind energy conversion systems (WECSs),

photovoltaic (PV) systems, structures, electrical systems, mechanical systems, smart grids, etc. The book's goal is to develop and combine all advanced nonintrusive CMFD approaches on a common platform. To do so, it explores the main components of various systems used for CMFD purposes. The content is divided into three main parts, the first of which provides a brief introduction, before focusing on the state of the art and major research gaps in the area of CMFD. The second part covers the step-by-step implementation of novel soft computing applications in CMFD for electrical and mechanical systems. In the third and final part, the simulation codes for each chapter are included in an extensive appendix to support newcomers to the field.

*The Master Adaptive Learner* - William Cutrer 2019-09-29

Tomorrow's best physicians will be those who continually learn, adjust, and innovate as new information and best practices evolve, reflecting

adaptive expertise in response to practice challenges. As the first volume in the American Medical Association's MedEd Innovation Series, *The Master Adaptive Learner* is an instructor-focused guide covering models for how to train and teach future clinicians who need to develop these adaptive skills and utilize them throughout their careers. Explains and clarifies the concept of a Master Adaptive Learner: a metacognitive approach to learning based on self-regulation that fosters the success and use of adaptive expertise in practice. Contains both theoretical and practical material for instructors and administrators, including guidance on how to implement a Master Adaptive Learner approach in today's institutions. Gives instructors the tools needed to empower students to become efficient and successful adaptive learners. Helps medical faculty and instructors address gaps in physician training and prepare new doctors to practice effectively in 21st century healthcare systems. One of the American Medical Association

Change MedEd initiatives and innovations, written and edited by members of the ACE (Accelerating Change in Medical Education) Consortium - a unique, innovative collaborative that allows for the sharing and dissemination of groundbreaking ideas and projects.

*Smart Intelligent Computing and Applications* - Suresh Chandra Satapathy 2019-09-26

This book gathers high-quality papers presented at the Third International Conference on Smart Computing and Informatics (SCI 2018-19), which was organized by the School of Computer Engineering and School of Computer Application, Kalinga Institute of Industrial Technology, Bhubaneswar, India, on 21-22 December, 2018. It includes advanced and multi-disciplinary research on the design of smart computing and informatics. Thematically, the book broadly focuses on several innovation paradigms in system knowledge, intelligence and sustainability that can help to provide realistic solutions to various problems

confronting society, the environment, and industry. The respective papers offer valuable insights into the how emerging computational and knowledge transfer approaches can be used to deliver optimal solutions in science, technology and healthcare.

*Smart Intelligent Computing and Applications* - Suresh Chandra Satapathy 2018-10-01

The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

**New Knowledge in Information Systems and Technologies** - Álvaro Rocha 2019-03-29

This book includes a selection of articles from The 2019 World Conference on Information Systems and Technologies (WorldCIST'19), held from April 16 to 19, at La Toja, Spain.

WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges in modern information systems and technologies research, together with their technological development and applications. The book covers a number of topics, including A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications;

I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.

2020 43rd International Convention on Information, Communication and Electronic Technology (MIPRO) - IEEE Staff 2020-09-28  
Computer in Technical Systems, Intelligent Systems, Distributed Computing and Visualization Systems, Communication Systems, Information Systems Security, Digital Economy, Computers in Education, Microelectronics, Electronic Technology, Education  
Advances in Photodetectors - Kuan Chee  
2019-09-18

This book provides a wide-ranging overview of the current state-of-the-art and new trends in photodetector design and research. Written by a team of internationally renowned experts, with contributions from universities, research

institutes and industries, this work is suitable for students and professionals interested in studying and dealing with photodetector design and technology, as well as the wide gamut of related applications. Its coverage includes: physics and fundamentals of photodetectors; physical models of photodetector operation; new materials, design, processing and function of photodetectors in related applications; testing, monitoring and calibration; and research progress in photodetector-related areas. Theoretical aspects, design and simulation principles, and important experimental results are thoroughly addressed, embodying a comprehensive account of current activity in this important field of research and industry.

**Overuse Injuries of the Musculoskeletal System** - Marko M. Pecina 2019-11-25

Overuse injuries of the musculoskeletal system are common occurrences. Yet most existing volumes on cumulative trauma disorders deal with the subject from an ergonomic and

occupational therapy standpoint, and do not provide the all-encompassing synopsis that physicians demand. *Overuse Injuries of the Musculoskeletal System, Second Edition*, answers the need by presenting a complete overview of the methods for diagnosing and treating the overuse injuries that affect the musculoskeletal system as a whole. Each chapter includes the definition, origins, clinical picture and diagnostics, and treatment for the given injury. The book goes beyond diagnosis and treatment by identifying etiological factors and discussing ways to prevent overuse injuries. This new edition retains the successful systematic format that made the first edition a bestseller and an invaluable tool for orthopaedists, physical therapists, rheumatologists, radiologists and sports medicine practitioners. This version includes a new chapter on radiologic diagnosis, new chapter on overuse injuries in female athletes and supplements previously-existing chapters

with new material.

**Data Analytics and Applications of the Wearable Sensors in Healthcare** - Shabbir Syed-Abdul 2020-06-17

This book provides a collection of comprehensive research articles on data analytics and applications of wearable devices in healthcare. This Special Issue presents 28 research studies from 137 authors representing 37 institutions from 19 countries. To facilitate the understanding of the research articles, we have organized the book to show various aspects covered in this field, such as eHealth, technology-integrated research, prediction models, rehabilitation studies, prototype systems, community health studies, ergonomics design systems, technology acceptance model evaluation studies, telemonitoring systems, warning systems, application of sensors in sports studies, clinical systems, feasibility studies, geographical location based systems, tracking systems, observational studies, risk assessment

studies, human activity recognition systems, impact measurement systems, and a systematic review. We would like to take this opportunity to invite high quality research articles for our next Special Issue entitled “Digital Health and Smart Sensors for Better Management of Cancer and Chronic Diseases” as a part of Sensors journal.

**Sintering** - Carl Burt 2015-01-14

Ceramics fabrication includes sintering at its concluding stage to strengthen the material. In the book, the fabrication of electronic ceramics and glass ceramics are discussed. Special emphasis has been given to their dielectric properties. It also explores the sintering aspects of ceramic tiles and nano-alumina. Sintering of non-oxide ceramics has also been elucidated.

The sintering of titanium alloys, copper containing structures and sintering in the genre of extractive metallurgy is also explained in this book. It also discusses the fundamentals of sintering like viscous flow and spark plasma. This book will be beneficial for readers

interested in this field.

[Advances in Edge Computing: Massive Parallel Processing and Applications](#) - F. Xhafa  
2020-03-10

The rapid advance of Internet of Things (IoT) technologies has resulted in the number of IoT-connected devices growing exponentially, with billions of connected devices worldwide. While this development brings with it great opportunities for many fields of science, engineering, business and everyday life, it also presents challenges such as an architectural bottleneck – with a very large number of IoT devices connected to a rather small number of servers in Cloud data centers – and the problem of data deluge. Edge computing aims to alleviate the computational burden of the IoT for the Cloud by pushing some of the computations and logics of processing from the Cloud to the Edge of the Internet. It is becoming commonplace to allocate tasks and applications such as data filtering, classification, semantic enrichment and

data aggregation to this layer, but to prevent this new layer from itself becoming another bottleneck for the whole computing stack from IoT to the Cloud, the Edge computing layer needs to be capable of implementing massively parallel and distributed algorithms efficiently. This book, *Advances in Edge Computing: Massive Parallel Processing and Applications*, addresses these challenges in 11 chapters. Subjects covered include: Fog storage software architecture; IoT-based crowdsourcing; the industrial Internet of Things; privacy issues; smart home management in the Cloud and the Fog; and a cloud robotic solution to assist medical applications. Providing an overview of developments in the field, the book will be of interest to all those working with the Internet of Things and Edge computing.

[Big Data in Complex Systems](#) - Aboul Ella Hassanien 2015-01-02

This volume provides challenges and Opportunities with updated, in-depth material on

the application of Big data to complex systems in order to find solutions for the challenges and problems facing big data sets applications. Much data today is not natively in structured format; for example, tweets and blogs are weakly structured pieces of text, while images and video are structured for storage and display, but not for semantic content and search. Therefore transforming such content into a structured format for later analysis is a major challenge. Data analysis, organization, retrieval, and modeling are other foundational challenges treated in this book. The material of this book will be useful for researchers and practitioners in the field of big data as well as advanced undergraduate and graduate students. Each of the 17 chapters in the book opens with a chapter abstract and key terms list. The chapters are organized along the lines of problem description, related works, and analysis of the results and comparisons are provided whenever feasible.

**Kompass** - 2002

**Acute Heart Failure** - Alexandre Mebazaa  
2009-12-24

For many years, there has been a great deal of work done on chronic congestive heart failure while acute heart failure has been considered a difficult to handle and hopeless syndrome.

However, in recent years acute heart failure has become a growing area of study and this is the first book to cover extensively the diagnosis and management of this complex condition. The book reflects the considerable amounts of new data reported and many new concepts which have been proposed in the last 3-4 years looking at the epidemiology, diagnostic and treatment of acute heart failure.

**Materials Processing Fundamentals** - Lifeng Zhang  
2016-12-01

This collection provides researchers and industry professionals with complete guidance on the synthesis, analysis, design, monitoring, and control of metals, materials, and metallurgical processes and phenomena. Along

with the fundamentals, it covers modeling of diverse phenomena in processes involving iron, steel, non-ferrous metals, and composites. It also goes on to examine second phase particles in metals, novel sensors for hostile-environment materials processes, online sampling and analysis techniques, and models for real-time process control and quality monitoring systems.

**Case-Based Reasoning Research and Development** - Ian Watson  
2020-10-03

This book constitutes the refereed proceedings of the 28th International Conference on Case-Based Reasoning Research and Development, ICCBR 2020, held in Salamanca, Spain\*, in June 2020. The 20 full papers and 2 short papers presented in this book were carefully reviewed and selected from 64 submissions. The theme of ICCBR 2020, "CBR Across Bridges" was highlighted by several activities. These papers, which are included in the proceedings, address many themes related to the theory and application of case-based reasoning and its

future direction. \*The conference was held virtually due to the COVID-19 pandemic.

### **Data Management, Analytics and Innovation**

- Neha Sharma 2020-09-18

This book presents the latest findings in the areas of data management and smart computing, big data management, artificial intelligence and data analytics, along with advances in network technologies. Gathering peer-reviewed research papers presented at the Fourth International Conference on Data Management, Analytics and Innovation (ICDMAI 2020), held on 17-19 January 2020 at the United Services Institute (USI), New Delhi, India, it addresses cutting-edge topics and discusses challenges and solutions for future development. Featuring original, unpublished contributions by respected experts from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.

### **Data Science and Intelligent Applications -**

Ketan Kotecha 2020-06-17

This book includes selected papers from the International Conference on Data Science and Intelligent Applications (ICDSIA 2020), hosted by Gandhinagar Institute of Technology (GIT), Gujarat, India, on January 24-25, 2020. The proceedings present original and high-quality contributions on theory and practice concerning emerging technologies in the areas of data science and intelligent applications. The conference provides a forum for researchers from academia and industry to present and share their ideas, views and results, while also helping them approach the challenges of technological advancements from different viewpoints. The contributions cover a broad range of topics, including: collective intelligence, intelligent systems, IoT, fuzzy systems, Bayesian networks, ant colony optimization, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence, speech

processing, machine learning and deep learning, and intelligent applications and systems.

Helping strengthen the links between academia and industry, the book offers a valuable resource for instructors, students, industry practitioners, engineers, managers, researchers, and scientists alike.

**On a Method of Multiprogramming** - W.H.J. Feijen 2013-06-29

Here, the authors propose a method for the formal development of parallel programs - or multiprograms as they prefer to call them. They accomplish this with a minimum of formal gear, i.e. with the predicate calculus and the well-established theory of Owicki and Gries. They show that the Owicki/Gries theory can be effectively put to work for the formal development of multiprograms, regardless of whether these algorithms are distributed or not.