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Annual Commencement CRC Press

This book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2020, held at IIS University Jaipur, Rajasthan, India, on January 17 – 19, 2020. Featuring innovative ideas from researchers, academics, industry professionals and students, the book covers a variety of topics, including expert applications and artificial intelligence/machine learning; advanced web technologies, like IoT, big data, and cloud computing in expert applications; information and cybersecurity threats and solutions; multimedia applications in forensics, security and intelligence; advances in app development; management practices for expert applications; and social and ethical aspects of expert applications in applied sciences.

Minds Wide Shut Seagull Books Pvt Ltd

This book is a collection of research papers and articles presented at the 3rd International Conference on Communications and Cyber-Physical Engineering (ICCCE 2020), held on 1-2 February 2020 at CMR Engineering College, Hyderabad, Telangana, India. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars and PG students working to formulate their research ideas and find the future directions in

these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

Dosage Form Design Considerations Princeton University Press

This volume presents research papers on additive manufacturing (popularly known as 3D printing) and joining which were presented during the 7th International and 28th All India Manufacturing Technology, Design and Research conference 2018 (AIMTDR 2018). The contents of this volume present the latest technological advancements for improving the efficiency, accuracy and speed of the additive manufacturing process and in fusion and solid-state welding technologies, with a variety of technologies, including fused deposition modelling, poly jet 3D printing, weld deposition based technology, selective laser melting and important welding technologies being covered. This volume will be of interest to academicians, researchers, and practicing engineers alike.

Selected Papers from ICAER 2017 Springer

Dosage Form Design Parameters, Volume I, examines the history and current state of the field within the pharmaceutical sciences, presenting key developments. Content includes drug development issues, the scale up of formulations, regulatory issues, intellectual property, solid state properties and polymorphism. Written by experts in the field, this volume in the Advances in Pharmaceutical Product Development and Research series deepens our understanding of dosage form design parameters. Chapters delve into a particular aspect of this fundamental field, covering principles, methodologies and the technologies employed by pharmaceutical scientists. In addition, the book contains a comprehensive examination suitable for researchers and advanced students working in pharmaceuticals, cosmetics, biotechnology and related industries. Examines the history and recent developments in drug dosage forms for pharmaceutical sciences Focuses on physicochemical aspects, preformulation solid state properties and polymorphism Contains extensive references for further discovery and learning that are appropriate for advanced undergraduates, graduate students and those interested in drug dosage design

Universities Handbook Springer Nature

This proceedings volume gathers selected papers presented at the Chinese Materials Conference 2017 (CMC2017), held in Yinchuan City, Ningxia, China, on July 06-12, 2017. This book covers a wide range of material surface science, advanced preparation and processing technologies of materials, high purity materials, silicon purification technology, solidification science and technology, performance and structure safety of petroleum tubular goods and equipment materials, materials genomes, materials simulation, computation and design. The Chinese Materials Conference (CMC) is the

most important serial conference of the Chinese Materials Research Society (C-MRS) and has been held each year since the early 1990s. The 2017 installment included 37 Symposia covering four fields: Advances in energy and environmental materials; High performance structural materials; Fundamental research on materials; and Advanced functional materials. More than 5500 participants attended the congress, and the organizers received more than 700 technical papers. Based on the recommendations of the symposium organizers and after peer reviewing, 490 papers have been included in the present proceedings, which showcase the latest original research results in the field of materials, achieved by more than 300 research groups at various universities and research institutes.

Proceedings of FICR-TEAS 2020 Springer Nature

Dhirubhai Ambani's life is a rags-to-riches story, from Bombay's crowded pavements and bazaars to the city's extravagantly wealthy social circles where business tycoons, stockmarket speculators, smugglers, politicians and Hindi film stars mingle, make money, make and break marriages and carry out prolonged feuds. This is the story of a rising capitalist group in post-independence India. Until the arrival of Ambani, and now more like him, India's big business scene was dominated by a few industrial houses from British times. Ambani's Reliance group has risen to rival these houses in just 26 years since its foundation. By 1995, the group had 2.6 million investors, one in every eight Indian sharemarket investors, and is now so large that it has to hold its annual general meetings in football stadiums. Along with expansion, however, have come the intricate political connections, a whole raft of corruption charges and a rollercoaster of booms and crashes for Ambani and his company. This study shows how capitalism emerges by fair means and foul in the new industrial countries of the Third World and explores the life of an Asian tycoon.

Principles of Microbial Ecology PHI Learning Pvt. Ltd.

Bio-Medical Electronics & Instrumentation Seagull Books Pvt Ltd
Advances in Industrial and Production Engineering Select Proceedings of FLAME 2020 Springer Nature

Advances in Industrial and Production Engineering World Scientific

This book reviews the current applications and future prospects of nanomaterials in cancer diagnostics and therapy. Nanomaterials have recently emerged as a remarkable and promising tool for cancer therapy and diagnosis, due to their broad range of intrinsic molecular properties. To overcome the current limitations of nanoparticles in drug delivery systems, attempts have been made to synthesize nanoparticles from biological materials for targeted cancer therapy. This book provides concise evaluations of various potential bio-inspired platforms that mimic natural components of the body and offer effective and versatile drug delivery systems for cancer therapy. It also assesses the potential of nanoparticles to enhance the outcomes of cancer immunotherapy via immune cell activation and tumor microenvironment modulation. The book also summarizes the applications of nanomaterials for the detection, prevention, and treatment of solid tumors and in the treatment of leukemia and lymphomas. In closing, it discusses ethical issues in nanomedicine, including risk assessment, risk management, and risk communication during clinical trials. The book offers a valuable source of information for students, academics, researchers, scientists, clinicians, and healthcare professionals working in nanotechnology and cancer research.

Cultural Algorithms Springer Nature

This book includes high-quality research papers presented at the Fourth International Conference on Innovative Computing and Communication (ICICC 2021), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on February 20–21, 2021. 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 SoCTA 2019 William Andrew

The National Nanotechnology Initiative (NNI) is a multiagency, multidisciplinary federal initiative comprising a collection of research programs and other activities funded by the participating agencies and linked by the vision of "a future in which the ability to understand and control matter at the nanoscale leads to a revolution in technology and industry that benefits society." As first stated in the 2004 NNI strategic plan, the participating agencies intend to make progress in realizing that vision by working toward four goals. Planning, coordination, and management of the NNI are carried out by the interagency Nanoscale Science, Engineering, and Technology (NSET) Subcommittee of the National Science and Technology Council (NSTC) Committee on Technology (CoT) with support from the National Nanotechnology Coordination Office (NNCO). Triennial Review of the National Nanotechnology Initiative is the latest National Research Council review of the NNI, an assessment called for by the 21st Century Nanotechnology Research and Development Act of 2003. The overall objective of the review is to make recommendations to the NSET Subcommittee and the NNCO that will improve the NNI's value for basic and applied research and for development of applications in nanotechnology that will provide economic, societal, and national security benefits to the United States. In its assessment, the committee found it important to understand in some detail and to describe in its report the NNI's structure and organization; how the NNI fits within the larger federal research enterprise, as well as how it can and should be organized for management purposes; and the initiative's various stakeholders and their roles with respect to research. Because technology transfer, one of the four NNI goals, is dependent on management and coordination, the committee chose to address the topic of technology transfer last, following its discussion of definitions of success and metrics for assessing progress toward achieving the four goals and management and coordination. Addressing its tasks in this order would, the committee hoped, better reflect the logic of its approach to review of the NNI. Triennial Review of the National Nanotechnology Initiative also provides concluding remarks in the last chapter.

Tools to Model Complex Dynamic Social Systems Springer Nature

This volume contains 68 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS, Visakhapatnam and supported technically by CSI Division V – Education and Research and PRF, Vizag. This volume contains papers mainly focused on smart computing for cloud storage, data mining and software analysis, and image processing.

Microbial Diversity and Ecology in Hotspots Springer

Recent advances in stem cell biology, nanotechnology and gene therapy have opened new avenues for therapeutics. The availability of molecular therapeutics that rely on the delivery of DNA, RNA or proteins, harnessing enhanced delivery with nanoparticles, and the regenerative potential of stem cells (adult, embryonic or induced pluripotent stem cells) has had a tremendous impact on translational medicine. The chapters in this book cover a range of strategies for molecular and cellular therapies for human disease, their advantages, and central challenges to their widespread application. Potential

solutions to these issues are also discussed in detail. Further, the book addresses numerous advances in the field of molecular therapeutics that will be of interest to the general scientific community. Lastly, the book provides specific examples of disease conditions for which these strategies have been transferred to the clinic. As such, it will be extremely useful for all students, researchers and clinicians working in the field of translational medicine and molecular therapeutics.

Great Minds on India Academic Press

The Wrestler's Body tells the story of a way of life organized in terms of physical self-development. While Indian wrestlers are competitive athletes, they are also moral reformers whose conception of self and society is fundamentally somatic. Using the insights of anthropology, Joseph Alter writes an ethnography of the wrestler's physique that elucidates the somatic structure of the wrestler's identity and ideology. Young men in North India may choose to join an akhara, or gymnasium, where they subject themselves to a complex program of physical and moral fitness. Alter's first-hand description of each detail of the wrestler's regimen offers a unique perspective on South Asian culture and society. Wrestlers feel that moral reform of Indian national character is essential and advocate their way of life as an ideology of national health. Everyone is called on to become a wrestler and build collective strength through self-discipline.

ICCCE 2020 Legare Street Press

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Select Proceedings of FLAME 2020 Springer

Indian culture and spiritualism have exerted a strong hold over the world's greatest intellectuals—from psychologists like Carl Jung to poets like T.S. Eliot, from orators like Swami Vivekananda to philosophers like Sri Aurobindo, from statesmen like Dr A.P.J. Abdul Kalam to writers like H.G. Wells. Compiled by Salil Gewali, *Great Minds on India* is a remarkable collection of the thoughts and views of these world-renowned opinion-makers on India's cultural inheritance and glorious legacy.

How the New Fundamentalisms Divide Us Springer

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thank you for being an important part of keeping this knowledge alive and relevant.

OMICS-Based Approaches in Plant Biotechnology Bio-Medical Electronics & Instrumentation

This book presents selected papers from the 6th International Conference on Advances in Energy Research (ICAER 2017), which cover topics ranging from energy optimization, generation, storage and distribution, and emerging technologies, to energy management, policy, and economics. The book is inter-disciplinary in scope and addresses a host of different areas relevant to energy research, making it of interest to scientists, policymakers, students, economists, rural activists, and social scientists alike.

Nanomedicine for Cancer Diagnosis and Therapy Springer Nature

The Encyclopedia of Biomedical Polymers & Polymeric Biomaterials presents state-of-the-art research and development on the application of novel polymers in a vital area. This groundbreaking work includes the insight of a large number of contributors from around the world who offer a broad-based perspective on a multitude of topics. Authoritative, dynamic, and comprehensive, this multi-volume reference covers the broad subject area of polymer applications in the medical field, providing readers with an enriching experience and targeted knowledge in this evolving arena. The materials presented convey important overviews to help stimulate further advancements in all areas of biomaterials and biomedical polymers.

Additionally, they address and identify new breakthroughs and emerging technologies.

Designed for novices to experienced researchers, the encyclopedia caters to engineers and scientists (polymer and materials scientists, biomedical engineers, biochemists, molecular biologists, macromolecular chemists), pharmacists, doctors, cardiovascular and plastic surgeons, and students, as well as general readers in academia, industry, research institutions, etc. It is envisioned that the encyclopedia will serve as the most respected reference work on the application of polymers in the medical field.

Artificial Neural Networks and Multi-Criteria Decision Making Approaches Springer Nature

Both process planning and scheduling are very important functions of manufacturing, which affect together the cost to manufacture a product and the time to deliver it. This book contains various approaches proposed by researchers to integrate the process planning and scheduling functions of manufacturing under varying configurations of shops. It is useful for both beginners and advanced researchers to understand and formulate the Integration Process Planning and Scheduling (IPPS) problem effectively. Features Covers the basics of both process planning and scheduling Presents nonlinear approaches, closed-loop approaches, as well as distributed approaches Discuss the outfit of IPPS in Industry 4.0 paradigm Includes the benchmarking problems on IPPS Contains nature-algorithms and metaheuristics for performance measurements in IPPS Presents analysis of energy-efficient objective for sustainable manufacturing in IPPS

Water and Energy Management in India Allen & Unwin Academic

This book comprises the select proceedings of the 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME) 2020. In particular, this volume discusses different topics of industrial and production engineering such as sustainable manufacturing processes, logistics, Industry 4.0 practices, circular economy,

lean six sigma, agile manufacturing, additive manufacturing, IoT and Big Data in manufacturing, 3D printing, simulation, manufacturing management and automation, surface roughness, multi-objective optimization and modelling for production processes, developments in casting, welding, machining, and machine tools. The contents of this book will be useful for researchers as well as industry professionals.