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KEY=BANGALORE - ROSS DEANNA

Proceedings of the 6th National Symposium on Rotor Dynamics

NSRD 2019

[Springer Nature](#) **This book presents select papers presented during the 6th National Symposium on Rotor Dynamics, held at CSIR-NAL, Bangalore, and focuses on the latest trends in rotor dynamics and various challenges encountered in the design of rotating machinery. The book is of interest to researchers from mechanical, aerospace, tribology and power industries, engineering service providers and academics.**

Proceedings of International Conference on Communication and Computational Technologies ICCCT 2021

Springer Nature **This book gathers selected papers presented at 3rd International Conference on Communication and Computational Technologies (ICCCT 2021), jointly organized in virtual format by Rajasthan Institute of Engineering and Technology, Jaipur and Rajasthan Technical University Kota in association with Soft Computing Research Society, during 27-28 February 2021. The volume is a collection of state-of-the-art research work in the cutting-edge technologies related to communication and intelligent systems. The topics covered are algorithms and applications of intelligent systems, informatics and applications, and communication and control systems.**

Cyber-physical Systems and Digital Twins

Proceedings of the 16th International Conference on Remote Engineering and Virtual Instrumentation

Springer **This book constitutes the proceedings of the 16th International Conference on Remote Engineering and Virtual Instrumentation (REV), held at the BMS College of Engineering, Bangalore, India on 3-6 February 2019. Today, online technologies are at the core of most fields of engineering, as well as of society as a whole, and are inseparably connected with Internet of Things, cyber-physical systems, collaborative networks and grids, cyber cloud technologies, service architectures, to name but a few. Since it was first held in, 2004, the REV conference has focused on the increasing use of the Internet for engineering tasks and the problems surrounding it. The 2019 conference demonstrated and discussed the fundamentals, applications and experiences in the field of online engineering and**

virtual instrumentation. It also presented guidelines for university-level courses on these topics, in view of the increasing globalization of education and the demand for teleworking, remote services and collaborative working environments.

Sustainable Materials in Building Construction

Springer Nature **This book presents a selection of recent research works that provide best practice solutions, case studies and practical advice on the implementation of sustainable construction techniques. The topics covered include innovations in building sustainability assessment, sustainable construction and materials, service-life prediction, construction 4.0, digitalization of the construction process, and circular economy. Reviewing the current state of knowledge, the book will benefit scientists, students, practitioners, lecturers and other interested parties in a range of scientific and engineering disciplines, e.g. civil, materials and mechanical engineering.**

Biomedical Image Processing

Springer Science & Business Media **In modern medicine, imaging is the most effective tool for diagnostics, treatment planning and therapy. Almost all modalities have went to directly digital acquisition techniques and processing of this image data have become an important option for health care in future. This book is written by a team of internationally recognized experts from all over the world. It provides a brief but complete overview on medical image processing and analysis highlighting recent advances that have been made in academics. Color figures are used extensively to illustrate the methods and help the reader to understand the complex topics.**

Fundamentals and Methods of Machine and Deep Learning

Algorithms, Tools, and Applications

John Wiley & Sons **FUNDAMENTALS AND METHODS OF MACHINE AND DEEP LEARNING** The book provides a practical approach by explaining the concepts of machine learning and deep learning algorithms, evaluation of methodology advances, and algorithm demonstrations with applications. Over the past two decades, the field of machine learning and its subfield deep learning have played a main role in software applications development. Also, in recent research studies, they are regarded as one of the disruptive technologies that will transform our future life, business, and the global economy. The recent explosion of digital data in a wide variety of domains, including science, engineering, Internet of Things, biomedical, healthcare, and many business sectors, has declared the era of big data, which cannot be analysed by classical statistics but by the more modern, robust machine learning and deep learning techniques. Since machine learning learns from data rather than by programming hard-coded decision rules, an attempt is being made to use machine learning to make computers that are able to solve problems like human experts in the field. The goal of this book is to present a practical approach by explaining the concepts of machine learning and deep learning algorithms with applications. Supervised machine learning algorithms, ensemble machine learning algorithms, feature selection, deep learning techniques, and their applications are discussed. Also included in the eighteen chapters is unique information which provides a clear understanding of concepts by using algorithms and case studies illustrated with applications of machine learning and deep learning in different domains, including disease prediction, software defect prediction, online television analysis, medical image processing, etc. Each of the chapters briefly described below provides both a chosen approach and its implementation. Audience Researchers and engineers in artificial intelligence, computer scientists as well as software developers.

Emerging Technologies in Data Mining and Information Security

Proceedings of IEMIS 2022, Volume 2

Springer Nature This book features research papers presented at the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2022) held at Institute of Engineering & Management, Kolkata, India, during 23-25 February 2022. The book is organized in three volumes and includes high-quality research work by academicians and industrial experts in the field of computing and communication, including full-length papers, research-in-progress papers, and case studies related to all the areas of data mining, machine learning, Internet of Things (IoT) and information security.

Magnesium

The Wonder Element for Engineering/biomedical Applications

Lessons from COVID-19

Impact on Healthcare Systems and Technology

Academic Press **Lessons from COVID-19: Impact on Healthcare Systems and Technology** uncovers the impact that COVID-19 has made on healthcare and technology industries. State-of-the-art case studies, empirical research, and new trends in technology-mediated solution are discussed to help inform and guide readers in understanding the effects that the COVID-19 outbreak has had across healthcare and technology industries. The book discusses challenges to identify vaccines, changes in legislation on clinical trials and re-purposing of licensed drugs, effects on primary healthcare, best practices adopted by different countries to control the pandemic, and different effects on patients within diverse age groups and comorbidities. In addition, the book covers technology-mediated solutions and

infrastructures applied, digital transformations, modeling techniques, statistical projections, and the benefits and use of cloud computing and artificial intelligence. This is a valuable resource for healthcare professionals, medical doctors, researchers and graduate students from both biomedical and technological fields who are interested in learning more about the use of new technologies to fight a pandemic. Discusses the effects of COVID-19 on healthcare and technology Presents case studies and state-of-the-art research and technologies to help readers effectively understand the effects of COVID-19 Empowers researchers to work on effective hypothesis to test the disruptions and changes that have occurred as a result of COVID-19 Bridges practical and theoretical gaps in terms of lessons learned during COVID-19 in the healthcare and technology sectors

The World's Religions after September 11 [4 volumes]

ABC-CLIO This set is an unprecedented examination of religion's influence on modern life, an honest assessment of how religion can either destroy us or preserve us, and a thorough exploration of what steps might be necessary for all religions to join together as a force for good. Convening on the fifth anniversary of the terrorist attack on the World Trade Center, the global congress The World's Religions after September 11 explored the negative and positive possibilities of the religious dimensions of life. The presentations from the congress have been pulled together in this set, which addresses religion's intersection with human rights, spirituality, science, healing, the media, international diplomacy, globalization, war and peace, and more. This comprehensive set includes contributions from such well-known scholars of religion as Arvind Sharma and a host of others from all the world's religious traditions. This set is an unprecedented examination of religion's influence on modern life, an honest assessment of how religion can either destroy us or preserve us, and a thorough exploration of what steps might be necessary for all religions to join together as a force for good. Because of the attack on the World Trade Center on September 11, 2001, the very concept of religion underwent a paradigm shift. Instead of standing for virtue and piety, peace and harmony, the word religion also came to be inextricably associated with evil, aggression, and terror. People around the world began to question whether the religious and secular dimensions of modern life can be reconciled, whether the different religions of the world can ever coexist in harmony. Indeed, the very future of religion itself has sometimes seemed to be uncertain, or at least suspect.

Directory of Libraries in India

Atlantic Publishers & Distri **The Third Revised And Enlarged Edition Of The Directory Of Libraries In India Contains Much Larger Number Of Addresses Of Libraries In India. Special Chapters Have Been Added On Addresses Of Institutions Offering Courses On Important Subjects Like Management, Medicine And Nursing, Engineering And Technology, Architecture, Law, Sports Etc. It Is Hoped That The Directory In Its Present Form Would Be Found Highly Useful By Publishers And Booksellers In Mailing Their Publicity Material. The Directory Would Also Be Useful To Librarians And Others Concerned With Educational Institutions And Organisations For Getting Information About Libraries In India.**

Proceedings of the National Aerospace Propulsion Conference

Select Proceedings of NAPC 2020

Springer Nature **This book presents the select proceedings of the 3rd National Aerospace Propulsion Conference (NAPC 2020). It discusses the recent trends in the area of aerospace propulsion technologies covering both air-breathing and non-air-breathing propulsion. The topics covered include state-of-the-art design, analysis and developmental testing of gas turbine engine modules and sub-systems like compressor, combustor, turbine and alternator; advances in spray injection and atomization; aspects of combustion pertinent to all types of propulsion systems and nuances of space, missile and alternative propulsion systems. The book will be a valuable reference for beginners, researchers and professionals interested in aerospace propulsion and allied fields.**

SOUVENIR of 2nd International Science Congress

(ISC-2012)

International E Publication **The International Science Congress Association organized the 2nd International Science Congress (ISC-2012) with 'Science and Technology - Challenges of 21st Century' as its focal theme. ISC-2012 was divided in 20 sections. A total number of 800 Research Papers and 1200 registrations from 23 countries all over the world have been received. They was mainly from Bangladesh, Bulgariya, Cameroun, France, Greece, Iran, Iraq, Kazakhstan, Korea, Lithuania, Malaysia, Nigeria, Nepal, Phillipines, Pakistan, Poland, Romania, Slovakiya, USA, Ukraine, Venezuela, Turkey and India.**

Inventive Computation and Information Technologies Proceedings of ICICIT 2021

Springer Nature **This book is a collection of best selected papers presented at the International Conference on Inventive Computation and Information Technologies (ICICIT 2021), organized during 12-13 August 2021. The book includes papers in the research area of information sciences and communication engineering. The book presents novel and innovative research results in theory, methodology and applications of communication engineering and information technologies.**

The Mysore Gazette

Research Anthology on Artificial Neural Network

Applications

IGI Global **Artificial neural networks (ANNs) present many benefits in analyzing complex data in a proficient manner. As an effective and efficient problem-solving method, ANNs are incredibly useful in many different fields. From education to medicine and banking to engineering, artificial neural networks are a growing phenomenon as more realize the plethora of uses and benefits they provide. Due to their complexity, it is vital for researchers to understand ANN capabilities in various fields. The Research Anthology on Artificial Neural Network Applications covers critical topics related to artificial neural networks and their multitude of applications in a number of diverse areas including medicine, finance, operations research, business, social media, security, and more. Covering everything from the applications and uses of artificial neural networks to deep learning and non-linear problems, this book is ideal for computer scientists, IT specialists, data scientists, technologists, business owners, engineers, government agencies, researchers, academicians, and students, as well as anyone who is interested in learning more about how artificial neural networks can be used across a wide range of fields.**

Advanced Computing, Networking and Security

International Conference, ADCONS 2011, Surathkal,
India, December 16-18, 2011, Revised Selected Papers

Springer Science & Business Media **This book constitutes revised selected papers from the International Conference on Advanced Computing, Networking and Security, ADCONS 2011, held in Surathkal, India, in December 2011. The 73 papers included in this book were carefully reviewed and selected from 289 submissions. The papers are organized in topical sections on distributed computing, image processing, pattern recognition, applied algorithms, wireless networking, sensor networks, network infrastructure, cryptography, Web security, and application security.**

Earthen Dwellings and Structures Current Status in their Adoption

Springer This book presents selected papers presented during the International Symposium on Earthen Structures held in IISc Bangalore. The papers in this volume cover the theme of earthen structures, with technical content on materials and methods, structural design and seismic performance, durability, seismic response, climatic response, hygrothermal performance and durability, design and codes, architecture, heritage and conservation, and technology dissemination. This book will be of use to professionals, academics, and students in architecture and engineering.

The World's Religions After September 11

ABC-CLIO Horrible religious violence has marked the opening of the 21st century, but can the world's religions work together as a force for good? Dozens of experts in religion examine the meaning of religion in the aftermath of September 11 and answer this question.

Innovative Supply Chain Management via Digitalization and Artificial Intelligence

Springer Nature This book focuses on the impact of artificial intelligence (AI) and machine learning (ML) models on supply chain operations in industry 4.0. The chapters illustrate the AI and ML models for all functional areas of operations in SCM. The book also includes examples using ML models like handling supply-to-demand imbalances, triggering automated responses, and reinforcing customer relationships. It describes the evolution of blockchain technology coupled with the ability to automate business logic for the transparency of goods, infrastructure, products, and licenses in software. The book also includes case studies that provide a problem statement and industry overcome by applying ML and AI technologies. This book is suitable for undergraduates, postgraduates, industrial professionals,

business executives, entrepreneurs, and freelancers to encourage practical learning on AI and ML algorithms in SCM 4.0. Additionally, this book will provide computer science and information system professionals with the latest technologies embedded in the corporate world.

Recent Advances in Civil Engineering

Select Proceedings of ERCAM 2021

Springer Nature The book presents the select proceedings of the Third International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering 2021 (ERCAM 2021). The book highlights the latest advances in structural engineering, geotechnical engineering, construction management, water resources engineering, transportation engineering, environmental engineering, remote sensing, etc., It also covers the emerging areas such as sustainability, green building technologies, zero-energy buildings, smart materials, smart cities, and intelligent transportation systems. The book will be useful for students, researchers and industry professionals working in the field of civil engineering.

Intelligent Systems in Cybernetics and Automation Control Theory

Springer This book presents real-world problems and pioneering research that reflect novel approaches to cybernetics, algorithms and software engineering in the context of intelligent systems. It gathers the peer-reviewed proceedings of the 2nd Computational Methods in Systems and Software 2018 (CoMeSySo 2018), a conference that broke down traditional barriers by being held online. The goal of the event was to provide an international forum for discussing the latest high-quality research results.

Smart Innovations in Communication and Computational Sciences

Proceedings of ICSICCS-2018

Springer **The book presents the latest advances and research findings in the fields of computational science and communication. The areas covered include smart innovation; systems and technologies; embedded knowledge and intelligence; innovation and sustainability; advanced computing; and networking and informatics. It also focuses on the knowledge-transfer methodologies and the innovation strategies employed to make these effective. This fascinating compilation appeals to researchers, academics and engineers around the globe.**

All India Educational Directory

Chandigarh : All India Directories Publishers

Proceedings of the National Aerospace Propulsion Conference

Springer Nature **This volume presents selected papers presented during the National Aerospace Propulsion Conference (NAPC) held at Indian Institute of Technology Kharagpur. It brings together contributions from the entire propulsion community, spanning air-breathing and non-air-breathing propulsion. The papers cover aerospace propulsion-related topics, and discuss relevant research advances made in this field. It will be of interest to researchers in industry and academia working on gas turbine, rocket, and jet engines.**

Industry 4.0 and Advanced Manufacturing Proceedings of I-4AM 2022

Springer Nature **This book presents selected papers from the 2nd International Conference on Industry 4.0 and Advanced Manufacturing held at the Indian Institute of Science, Bangalore and includes deliberations from stakeholders in manufacturing and Industry 4.0 on the nature, needs, challenges, opportunities, problems, and solutions in these transformational areas. Special emphasis is placed on exploring avenues for creating a vision of, and enablers for, sustainable, affordable, and human-centric Industry 4.0. The book showcases cutting edge practice, research, and educational innovation in this crucial and rapidly evolving area. This book will be useful to researchers in academia and industry, and will also be useful to policymakers involved in creating ecosystems for implementation of Industry 4.0.**

Fundamentals and Methods of Machine and Deep Learning Algorithms, Tools, and Applications

John Wiley & Sons **FUNDAMENTALS AND METHODS OF MACHINE AND DEEP LEARNING** The book provides a practical approach by explaining the concepts of machine learning and deep learning algorithms, evaluation of methodology advances, and algorithm demonstrations with applications. Over the past two decades, the field of machine learning and its subfield deep learning have played a main role in software applications development. Also, in recent research studies, they are regarded as one of the disruptive technologies that will transform our future life, business, and the global economy. The recent explosion of digital data in a wide variety of domains, including science, engineering, Internet of Things, biomedical, healthcare, and many business sectors, has declared the era of big data, which cannot be analysed by classical statistics but by the more modern, robust machine learning and deep learning techniques.

Since machine learning learns from data rather than by programming hard-coded decision rules, an attempt is being made to use machine learning to make computers that are able to solve problems like human experts in the field. The goal of this book is to present a practical approach by explaining the concepts of machine learning and deep learning algorithms with applications. Supervised machine learning algorithms, ensemble machine learning algorithms, feature selection, deep learning techniques, and their applications are discussed. Also included in the eighteen chapters is unique information which provides a clear understanding of concepts by using algorithms and case studies illustrated with applications of machine learning and deep learning in different domains, including disease prediction, software defect prediction, online television analysis, medical image processing, etc. Each of the chapters briefly described below provides both a chosen approach and its implementation. Audience Researchers and engineers in artificial intelligence, computer scientists as well as software developers.

India Today

Bangalore

[PediaPress](#)

Computer Networks, Big Data and IoT

Proceedings of ICCBI 2021

[Springer Nature](#)

Trends in Civil Engineering and Challenges for

Sustainability

Select Proceedings of CTCS 2019

Springer Nature **This book comprises selected papers from the International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS) 2019. The book presents latest research in several areas of civil engineering such as construction and structural engineering, geotechnical engineering, environmental engineering and sustainability, and geographical information systems. With a special emphasis on sustainable development, the book covers case studies and addresses key challenges in sustainability. The scope of the contents makes the book useful for students, researchers, and professionals interested in sustainable practices in civil engineering.**

Computational Intelligence in Pattern Recognition

Proceedings of CIPR 2021

Springer Nature **This book features high-quality research papers presented at the 3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR 2021), held at the Institute of Engineering and Management, Kolkata, West Bengal, India, on 24 - 25 April 2021. It includes practical development experiences in various areas of data analysis and pattern recognition, focusing on soft computing technologies, clustering and classification algorithms, rough set and fuzzy set theory, evolutionary computations, neural science and neural network systems, image processing, combinatorial pattern matching, social network analysis, audio and video data analysis, data mining in dynamic environments, bioinformatics, hybrid computing, big data analytics and deep learning. It also provides innovative solutions to the challenges in these areas and discusses recent developments.**

Proceedings of International Joint Conference on Advances in Computational Intelligence

IJCACI 2021

Springer Nature

Smart Trends in Computing and Communications

Proceedings of SmartCom 2019

Springer Nature **This book gathers high-quality papers presented at the International Conference on Smart Trends for Information Technology and Computer Communications (SmartCom 2019), organized by the Global Knowledge Research Foundation (GR Foundation) from 24 to 25 January 2019. It covers the state-of-the-art and emerging topics pertaining to information, computer communications, and effective strategies for their use in engineering and managerial applications. It also explores and discusses the latest technological advances in, and future directions for, information and knowledge computing and its applications.**

Educationists in India

An Illustrated Biographical Directory of Notable Living

Educationists in India

Bulletin of the Institution of Engineers (India).

Intelligent Renewable Energy Systems

Integrating Artificial Intelligence Techniques and Optimization Algorithms

John Wiley & Sons **INTELLIGENT RENEWABLE ENERGY SYSTEMS** This collection of papers on artificial intelligence and other methods for improving renewable energy systems, written by industry experts, is a reflection of the state of the art, a must-have for engineers, maintenance personnel, students, and anyone else wanting to stay abreast with current energy systems concepts and technology. Renewable energy is one of the most important subjects being studied, researched, and advanced in today's world. From a macro level, like the stabilization of the entire world's economy, to the micro level, like how you are going to heat or cool your home tonight, energy, specifically renewable energy, is on the forefront of the discussion. This book illustrates modelling, simulation, design and control of renewable energy systems employed with recent artificial intelligence (AI) and optimization techniques for performance enhancement. Current renewable energy sources have less power conversion efficiency because of its intermittent and fluctuating behavior. Therefore, in this regard, the recent AI and optimization techniques are able to deal with data ambiguity, noise, imprecision, and nonlinear behavior of renewable energy sources more efficiently compared to classical soft computing techniques. This book provides an extensive analysis of recent state of the art AI and optimization techniques applied to green energy systems. Subsequently, researchers, industry persons, undergraduate and graduate students involved in green energy will greatly benefit from this comprehensive volume, a must-have for any library. Audience Engineers, scientists, managers, researchers, students, and other professionals

working in the field of renewable energy.

Basic Principles of Analysis and Design of an RCC Framed Structures

Laxmi Publications, Ltd.

Timeless Fellowship

2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA)

In recent years, Computing emerges as an integral part of almost all the modern industries like Software Engineering, Computer Engineering, and Information technology It is evident from the recent computing applications that it can easily encompass the design and development of various hardware and software architectures to be capable of structuring, managing and processing a different kind of information available in the emerging intelligent system architectures With its ability to transform information, there exists a various number of smart computing applications like cloud computing, edge computing, ubiquitous computing, quantum computing, and social computing Despite the hype, some areas of computing still need some research exploration