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Counselling Guru Proceedings of the 6th International Conference on Advance Computing and Intelligent Engineering Frontiers in Cardiovascular Drug Discovery: Volume 5 **Recent Advances in Structural Engineering and Construction Management Engineering Drawing Handbook of Universities** Intelligent Vision in Healthcare ICT Systems and Sustainability Intelligent System Design **Advances in Power Electronics and Instrumentation Engineering Sustainable Practices and Innovations in Civil Engineering BioChar** Mobile Radio Communications and 5G Networks **Recent Advances in Mechanical Engineering** *Advances in Materials and Manufacturing Engineering* **International Conference on Computer Applications 2012 :: Volume 02** *Advances in Material Sciences and Engineering* Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018) Recent Advances in Materials and Modern Manufacturing **Biotechnology for Environmental Protection Micromanufacturing of Metallic Materials** **Advances in Reconfigurable Mechanisms and Robots I Universities Handbook** **International Conference on Reinventing Business Practices, Startups and Sustainability - Virtual Conference** **Soft Computing and Signal Processing Computer and Network Technology** **Advances in Computing and Information Technology** *International Conference on Computer Applications 2012 :: Volume 05* Advances in Construction

Materials and Sustainable Environment *Disposable Electrochemical Sensors for Healthcare Monitoring* *Power Electronics and Renewable Energy Systems* **Advances in Materials Research** **Emerging Trends in Computing and Expert Technology** Applied Mathematics and Scientific Computing *Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2* **Computational Modeling of Objects Represented in Images** **Advances in Parallel Computing Technologies and Applications** **6th World Congress of Biomechanics (WCB 2010), 1 - 6 August 2010, Singapore** *Ambient Communications and Computer Systems*

Advances in Parallel Computing Technologies and Applications Aug 27 2019

Recent developments in parallel computing mean that the use of machine learning techniques and intelligence to handle the huge volume of available data have brought the faster solutions offered by advanced technologies to

various fields of application. This book presents the proceedings of the Virtual International Conference on Advances in Parallel Computing Technologies and Applications (ICAPTA 2021), hosted in Justice Basheer Ahmed Sayeed College for women (formerly "S.I.E.T Women's College"), Chennai, India, and held online as a

virtual event on 15 and 16 April 2021. The aim of the conference was to provide a forum for sharing knowledge in various aspects of parallel computing in communications systems and networking, including cloud and virtualization solutions, management technologies, and vertical application areas. It also provided a platform for

scientists, researchers, practitioners and academicians to present and discuss the most recent innovations and trends, as well as the concerns and practical challenges encountered in this field.

Included here are 52 full length papers, selected from over 100 submissions based on the reviews and comments of subject experts. Topics covered include parallel computing in communication, machine learning intelligence for parallel computing and parallel computing for software services in theoretical and practical aspects. Providing an overview of the latest developments in the field, the book will be of interest to all

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those whose work involves the use of parallel computing technologies.

Recent Advances in Mechanical Engineering Aug 20 2021 This book presents the select proceedings of 2nd International Congress on Advances in Mechanical and Systems Engineering (CAMSE 2021). It focuses on the recent advances in mechanical and systems engineering and their growing demands for increase in several design and development activities. The contents in this book cover a blend of mechanical engineering, computer-aided engineering, control engineering, and systems engineering to design and

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manufacture useful products. Various additional topics covered include mechanics, machines, materials science, thermo-fluids, and control with state-of-the-art computational methods to analyse, innovate, design, implement and operate complex systems which are economic, reliable, efficient and sustainable. Given the contents, this book will be useful for researchers and professionals working in the field of mechanical engineering and allied fields.

[Frontiers in Cardiovascular Drug Discovery: Volume 5](#) Sep 01 2022 Frontiers in Cardiovascular Drug Discovery is a book series devoted to publishing the latest advances

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in cardiovascular drug design and discovery. Each volume brings reviews on the biochemistry, in-silico drug design, combinatorial chemistry, high-throughput screening, drug targets, recent important patents, and structure-activity relationships of molecules used in cardiovascular therapy. The book series should prove to be of great interest to all medicinal chemists and pharmaceutical scientists involved in preclinical and clinical research in cardiology. The fifth volume of the series covers the following topics: - The Lipid Hypothesis: From Resins to Proprotein Convertase Subtilisin/Kexin

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Type-9 Inhibitors -The Role of SGLT2i in the Prevention and Treatment of Heart Failure - Natural Products and Semi-Synthetic Compounds as Antithrombotics: A Review of the Last Ten Years (2009-2019) -Transient Receptor Potential Channels: Therapeutic Targets for Cardiometabolic Diseases? - Treatment of Raynaud's Phenomenon -Traditional Medicine Based Cardiovascular Therapeutics -Cardiovascular Disease: A Systems Biology Approach
Soft Computing and Signal Processing Sep 08 2020 This book presents selected research papers on current developments in the fields of soft computing and signal

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processing from the Second International Conference on Soft Computing and Signal Processing (ICSCSP 2019). The respective contributions address topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning, and discuss various aspects of these topics, e.g. technological considerations, product implementation, and application issues.
Applied Mathematics and Scientific Computing Nov 30 2019 This volume is the first of two containing selected papers from the International Conference on Advances in Mathematical Sciences (ICAMS), held at the Vellore

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Institute of Technology in December 2017. This meeting brought together researchers from around the world to share their work, with the aim of promoting collaboration as a means of solving various problems in modern science and engineering. The authors of each chapter present a research problem, techniques suitable for solving it, and a discussion of the results obtained. These volumes will be of interest to both theoretical- and application-oriented individuals in academia and industry. Papers in Volume I are dedicated to active and open areas of research in algebra, analysis, operations research, and

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statistics, and those of Volume II consider differential equations, fluid mechanics, and graph theory.

Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2

Oct 29 2019 This volume contains 60 papers presented at ICTIS 2015: International Conference on Information and Communication Technology for Intelligent Systems. The conference was held during 28th and 29th November, 2015, Ahmedabad, India and organized communally by Venus International College of Technology, Association of Computer Machinery,

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Ahmedabad Chapter and Supported by Computer Society of India Division IV – Communication and Division V – Education and Research. This volume contains papers mainly focused on ICT and its application for Intelligent Computing, Cloud Storage, Data Mining, Image Processing and Software Analysis etc.

International Conference on Computer Applications 2012

:: Volume 02 Jun 17 2021

[Micromanufacturing of Metallic](#)

[Materials](#) Jan 13 2021 Product miniaturization is a trend for facilitating product usage, enabling product functions to be implemented in microscale geometries, and aimed at reducing product weight,

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volume, cost and pollution. Driven by ongoing miniaturization in diverse areas, including medical devices, precision equipment, communication devices, micro-electromechanical systems and microsystems technology, the demands for micro metallic products have been tremendously increased. Such a trend requires the development of advanced technology for the micromanufacturing of metallic materials, with regard to producing high-quality micro metallic products that possess excellent dimensional tolerances, the required mechanical properties and improved surface quality.

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Micromanufacturing differs from conventional manufacturing technology in terms of materials, processes, tools, and machines and equipment, due to the miniaturization nature of the whole micromanufacturing system, which challenges the rapid development of micromanufacturing technology. Such a background has prompted and encouraged us to publish a scholarly book on the topic of the micromanufacturing of metallic materials, with the purpose of providing readers with a valuable document that can be used in the research and development of micromanufacturing

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technology. This book will be useful for both theoretical and applied research aimed at micromanufacturing technology, and will serve as an important research tool, providing knowledge to be returned to the community not only as valuable scientific literature, but also as technology, processes and productivities.

Advances in Material Sciences and Engineering May 17 2021

This book presents selected papers from the 4th International Conference on Mechanical, Manufacturing and Plant Engineering (ICMMPE 2018), which was held in Melaka, Malaysia from the 14th to the 15th of

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November 2018. The proceedings discuss genuine problems concerning joining technologies that are at the heart of various manufacturing sectors. In addition, they present the outcomes of experimental and numerical works addressing current problems in soldering, arc welding and solid-state joining technologies.

Advances in Materials

Research Jan 31 2020 This book comprises select peer-reviewed proceedings of the International Conference on Advances in Materials Research (ICAMR 2019). The contents cover latest research in materials and their applications relevant to

composites, metals, alloys, polymers, energy and phase change. The indigenous properties of materials including mechanical, electrical, thermal, optical, chemical and biological functions are discussed. The book also elaborates the properties and performance enhancement and/or deterioration in order of the modifications in atomic particles and structure. This book will be useful for both students and professionals interested in the development and applications of advanced materials.

Mobile Radio Communications and 5G Networks Sep 20 2021 This book features selected

high-quality papers from the second International Conference on Mobile Radio Communications and 5G Networks (MRCN 2021), held at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India, during 10-12 June 2021. The book features original papers by active researchers presented at the International Conference on Mobile Radio Communications and 5G Networks. It includes recent advances and upcoming technologies in the field of cellular systems, 2G/2.5G/3G/4G/5G and beyond, LTE, WiMAX, WMAN, and other emerging broadband

wireless networks, WLAN, WPAN, and various home/personal networking technologies, pervasive and wearable computing and networking, small cells and femtocell networks, wireless mesh networks, vehicular wireless networks, cognitive radio networks and their applications, wireless multimedia networks, green wireless networks, standardization of emerging wireless technologies, power management and energy conservation techniques.

Counselling Guru Nov 03 2022
About CounsellingGuru
CounsellingGuru is a comprehensive guide for all the Engineering aspirants of

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Tamilnadu. This book is aimed at providing complete information about engineering studies and statistical analysis on Tamilnadu Engineering Admissions [TNEA] counselling. It gives an insight to the reader about various branches of study in engineering and helps in selecting suitable branch of study based on one's personal preference and performance in final school year. Why CounsellingGuru? In the recent years, the interest towards engineering has increased among student community in Tamilnadu. Also in the last 13 years, the number of engineering colleges has increased approximately from

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200 to 520+. In this scenario finding information about all the colleges and selecting the right branch in right college has become a tough task for any engineering aspirant. It is not easy, to come up with a right decision for one's career, based on the vast amount of information available in the internet and through other sources. One of the strongest motivations for writing this book is to provide complete information about different engineering branches, colleges, and the counselling process followed in Tamilnadu Engineering Admissions. Analyzing the information about previous year counsellings, helps a student to

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take an informed decision about the suitable branch and college for his/her rank. Based on the counselling trend from the year 2007 to till date, this book is aimed at addressing the basic questions like 1. For one's TNEA rank, which is the best college and course? 2. What are the top colleges for a particular branch? 3. What does one learn in a particular Engineering branch? 4. Which branch & college was selected by a candidate with the same TNEA rank during the last few years? Counselling Guru will definitely help every engineering aspirant to take right decision for their career. What is inside? Engineering Branches - Overview, Scope of

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each branches, who can opt each branch, etc. List of all Engineering Colleges in Tamilnadu - Coming under Anna University Counselling Top Engineering Colleges - Overall (Top 100) and Branch-wise (Top 50) priority list TNEA Historic data analysis from TNEA 2007 onward Counselling Worksheet for TNEA Tips for choosing payment seats Guidelines for students and parents appearing for Engineering counselling The guidelines given in this book are developed by authors based on their rich experience in academics and engineering industry. More Info @ <http://www.counselling.guru/counsellingguru.html>

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Sustainable Practices and Innovations in Civil Engineering

Nov 22 2021 This book presents the select proceedings of the international conference on Sustainable Practices and Innovations in Civil Engineering 2021 (SPICE 2021). The topics covered include the addition and replacement of cementitious materials in concrete, thereby enhancing the strength and durability characteristics of concrete, instrumentation and testing in structural engineering, ground improvement techniques, water management, waste management, and energy efficiency and sustainability in

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construction. It also includes few papers in the area of environmental civil engineering and discusses key issues in the field of water resources and the impact of COVID-19 on the construction industry. This book is a valuable reference to the students, researchers, and professionals in the field of civil engineering.

Handbook of Universities Apr 27 2022 The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding

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Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor,

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Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

6th World Congress of Biomechanics (WCB 2010),

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**1 - 6 August 2010,
Singapore** Jul 27 2019

Biomechanics covers a wide field such as organ mechanics, tissue mechanics, cell mechanics to molecular mechanics. At the 6th World Congress of Biomechanics WCB 2010 in Singapore, authors presented the largest experimental studies, technologies and equipment. Special emphasis was placed on state-of-the-art technology and medical applications. This volume presents the Proceedings of the 6th WCB 2010 which was hold in conjunction with 14th International Conference on Biomedical Engineering (ICBME) & 5th Asia Pacific

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Conference on Biomechanics (APBiomech). The peer reviewed scientific papers are arranged in the six themes Organ Mechanics, Tissue Mechanics, Cell Mechanics, Molecular Mechanics, Materials, Tools, Devices & Techniques, Special Topics. **Advances in Reconfigurable Mechanisms and Robots I** Dec 12 2020 Advances in Reconfigurable Mechanisms and Robots I provides a selection of key papers presented in The Second ASME/IFTToMM International Conference on Reconfigurable Mechanisms and Robots (ReMAR 2012) held on 9th -11th July 2012 in Tianjin, China. This ongoing series of

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conferences will be covered in this ongoing collection of books. A total of seventy-eight papers are divided into seven parts to cover the topology, kinematics and design of reconfigurable mechanisms with the reconfiguration theory, analysis and synthesis, and present the current research and development in the field of reconfigurable mechanisms including reconfigurable parallel mechanisms. In this aspect, the recent study and development of reconfigurable robots are further presented with the analysis and design and with their control and development. The bio-inspired mechanisms and subsequent

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reconfiguration are explored in the challenging fields of rehabilitation and minimally invasive surgery. *Advances in Reconfigurable Mechanisms and Robots I* further extends the study to deployable mechanisms and foldable devices and introduces applications of reconfigurable mechanisms and robots. The rich-content of *Advances in Reconfigurable Mechanisms and Robots I* brings together new developments in reconfigurable mechanisms and robots and presents a new horizon for future development in the field of reconfigurable mechanisms and robots. [Recent Advances in Materials and Modern Manufacturing](#)

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Mar 15 2021 This book presents the select proceedings of the fourth International Conference on Advanced Materials and Modern Manufacturing (ICAMMM 2021). It covers broad areas such as advanced mechanical engineering, material science and manufacturing process. Various topics discussed in this book include green manufacturing, green materials, Industry 4.0, additive manufacturing, precision engineering, sustainability, manufacturing operations management and so on. Given its contents, the book will be useful for students, researchers, engineers and professionals working in the

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area of mechanical engineering and its allied fields.

Disposable Electrochemical Sensors for Healthcare Monitoring Apr 03 2020

Disposable electrodes have been widely used as a sensing platform in electrical and electrochemical sensors owing to the possibility of quantitative detection using clinical biomarkers with high precision, sensitivity and reproducibility, which are necessary for accurate diagnosis of the health condition of an individual. This book focusses on the emerging disposable electrochemical sensors in the health sector and the advancement of analytical devices to monitor diabetic,

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cancer and cardiovascular patients using different nanomaterials. It discusses the upcoming strategies, advantages and the limitations of the existing devices using disposable electrodes.

Uniquely, it covers in-depth knowledge of mechanistic features of various designs of screen-printing electrodes and the material aspects required of sensors developed for the healthcare field. It also looks at the portable devices using a variety of materials and the future directions for research in this area. Appealing to the health care industry, this book is aimed at academic and research institutes at both the graduate and postgraduate

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level. The contributors are leading experts in the field and they are providing guidance for the next decade of research in the field of disposable electrochemical biosensors.

Engineering Drawing Jun 29 2022 Engineering Drawing, 2e continues to cover all the fundamental topics of the field, while maintaining its unique focus on the logic behind each concept and method. Based on extensive market research and reviews of the first edition, this edition includes a new chapter on scales, the latest version of AutoCAD, and new pedagogy. The coverage of topics has been made more clear and concise through over 300 solved examples and exercises,

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with new problems added to help students work progressively through them. Combining technical accuracy with readable explanations, this book will be invaluable to both first-year undergraduate engineering students as well as those preparing for professional exams.

Ambient Communications and Computer Systems Jun 25 2019 This book includes high-quality, peer-reviewed papers from the International Conference on Recent Advancement in Computer, Communication and Computational Sciences (RACCCS-2018), held at Aryabhata College of Engineering & Research Center, Ajmer, India on August

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10-11, 2018, presenting the latest developments and technical solutions in computational sciences. Networking and communication are the backbone of data science, data- and knowledge engineering, which have a wide scope for implementation in engineering sciences. This book offers insights that reflect the advances in these fields from upcoming researchers and leading academicians across the globe. Covering a variety of topics, such as intelligent hardware and software design, advanced communications, intelligent computing technologies, advanced software engineering, the web

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and informatics, and intelligent image processing, it helps those in the computer industry and academia use the advances in next-generation communication and computational technology to shape real-world applications. *Intelligent Vision in Healthcare* Mar 27 2022 This book focuses on various aspects of computer vision applications in the field of healthcare. It covers new tools and technologies in some of the important areas of medical science like histopathological image analysis, cancer taxonomy, use of deep learning architecture dental care, and many more. Furthermore, this book reviews and discusses the use of

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intelligent learning-based algorithms for increasing the precision in medical domain. The book discusses different computer vision algorithms which are useful in various industries and day-to-day life. It also highlights many challenges faced by research community, like view point variations, scale variations, illumination variations, multi-modalities, and noise. May 29 2022 [Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering \(I-DAD 2018\)](#) Apr 15 2021 This book gathers the best articles presented by researchers and industrial experts at the International

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Conference on “Innovative Design and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)”. The papers discuss new design concepts, analysis and manufacturing technologies, with an emphasis on achieving improved performance by downsizing; improving the weight-to-strength ratio, fuel efficiency, and operational capability at room and elevated temperatures; reducing wear and tear; and addressing NVH aspects, while balancing the challenges of Euro IV/Barat Stage IV emission norms and beyond, greenhouse effects, and recyclable materials. The innovative methods discussed here offer valuable reference

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material for educational and research organizations, as well as industry, encouraging them to pursue challenging projects of mutual interest.

Advances in Materials and Manufacturing Engineering Jul 19 2021 This book comprises selected papers from the Fourth International Conference on Materials and Manufacturing Engineering (ICMME 2019). The contents focus on the latest developments in the synthesis and characterization of new materials, and highlights the challenges involved in the manufacturing and machinability of different materials. Advanced and cost-effective manufacturing

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processes and their applications are also discussed in the book. In addition, it covers topics like robotics, fluid dynamics, design and development, and different optimization techniques. The contents of this book will be beneficial to students, researchers, and industry professionals.

International Conference on Reinventing Business Practices, Startups and Sustainability - Virtual Conference Oct 10 2020
Universities Handbook Nov 10 2020

Advances in Computing and Information Technology Jul 07 2020 The international conference on Advances in

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Computing and Information technology (ACITY 2012) provides an excellent international forum for both academics and professionals for sharing knowledge and results in theory, methodology and applications of Computer Science and Information Technology. The Second International Conference on Advances in Computing and Information technology (ACITY 2012), held in Chennai, India, during July 13-15, 2012, covered a number of topics in all major fields of Computer Science and Information Technology including: networking and communications, network security and applications, web

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and internet computing, ubiquitous computing, algorithms, bioinformatics, digital image processing and pattern recognition, artificial intelligence, soft computing and applications. Upon a strength review process, a number of high-quality, presenting not only innovative ideas but also a founded evaluation and a strong argumentation of the same, were selected and collected in the present proceedings, that is composed of three different volumes.

[Advances in Construction Materials and Sustainable Environment](#) May 05 2020 This book comprises select papers presented at the International

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Conference on Construction Materials and Environment (ICCME 2021). The topics discussed revolve around the identification and utilization of novel construction materials primarily in the areas of structural engineering, geotechnical engineering, transportation engineering, and environmental engineering. The volume presents a compilation of thoroughly studied and utilized sustainable construction materials in different areas of civil engineering. Newly developed testing methodologies, physical modelling methods, numerical studies, and other latest techniques discussed in this

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book can prove to be useful for researchers and practitioners across the globe.

BioChar Oct 22 2021 This book explores the production and applications of biochar. This material is used to remove contaminants from industrial effluent and to reutilize waste sludge in the production of biofuel/bioenergy. The treatment of wastewater and reuse of waste sludge in value added products manufacturing and environmental clean-up is explored. The proposed book provides a roadmap for future strategies for pollution abatement and sustainable development.

Proceedings of the 6th International Conference on

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Advance Computing and Intelligent Engineering Oct 02 2022 This book gathers high-quality research papers presented at the 6th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2021) organized by Bhubaneswar Institute of Technology, Bhubaneswar, Odisha, India, during December 23–24, 2021. It includes sections describing technical advances and the latest research in the fields of computing and intelligent engineering. Intended for graduate students and researchers working in the disciplines of computer science and engineering, the

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proceedings also appeal to researchers in the field of electronics, as they cover hardware technologies and future communication technologies.

Advances in Power Electronics and Instrumentation

Engineering Dec 24 2021 This book constitutes the refereed proceedings of the Second International Conference on Advances in Power Electronics and Instrumentation Engineering, PEIE 2011, held at Nagpur, India, in April 2011. The 9 revised full papers presented together with 4 short papers and 7 poster papers were carefully reviewed and selected from numerous

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submissions. The papers address current issues in the field of power electronics, communication engineering, instrumentation engineering, digital electronics, electrical power engineering, electrical machines, information technology, control systems, and the like.

ICT Systems and Sustainability
Feb 23 2022 This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 7th International Conference on ICT for Sustainable Development (ICT4SD 2022), held in Goa, India, on 29-30 July 2022. The book covers the

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topics such as big data and data mining, data fusion, IoT programming toolkits and frameworks, green communication systems and network, use of ICT in smart cities, sensor networks and embedded system, network and information security, wireless and optical networks, security, trust, and privacy, routing and control protocols, cognitive radio and networks, and natural language processing. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

Intelligent System Design Jan 25 2022 This book presents a collection of high-quality, peer-

reviewed research papers from the 7th International Conference on Information System Design and Intelligent Applications (India 2022), held at BVRIT Hyderabad College of Engineering for Women, Hyderabad, Telangana, India, from February 25 to 26, 2022. It covers a wide range of topics in computer science and information technology, including data mining and data warehousing, high-performance computing, parallel and distributed computing, computational intelligence, soft computing, big data, cloud computing, grid computing and cognitive computing.

[Power Electronics and](#)

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Renewable Energy Systems

Mar 03 2020 The book is a collection of high-quality peer-reviewed research papers presented in the Proceedings of International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2014) held at Rajalakshmi Engineering College, Chennai, India. These research papers provide the latest developments in the broad area of Power Electronics and Renewable Energy. The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. It presents invited papers from the inventors/originators of new

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applications and advanced technologies.

Computer and Network Technology Aug 08 2020

Biotechnology for Environmental Protection

Feb 11 2021 This book covers broader application of biotechnology for the protection of environment through different bioremediation and biodegradation techniques developed for removal of environmental contaminants including the recently discovered contaminants. The book offers a comprehensive overview of environmental pollutants including their fate, behavior, environmental and associated health risks. It is

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useful reading material for postgraduate and graduate students of environmental biotechnology, environmental microbiology and ecology. Young researchers also find the chapters useful understanding the latest developments.

Recent Advances in Structural Engineering and Construction Management

Jul 31 2022 This book presents the select proceedings of the International Conference on Structures, Materials and Construction (ICSMC 2021). It covers the recent developments and futuristic trends in the field of structural engineering and construction management, including new building materials and understanding

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their behavior. The topic covered also assess the current progress and state-of-the-art techniques in structural experimentation, smart materials, structures technology, principles of construction management, materials properties and characterization. The collection of papers included in this proceeding will contribute to scientific developments in the field of structural engineering and construction and will be a useful as reference material for the academicians, researchers and most importantly the student community pursuing research in the fields of structural engineering and construction technology.

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Emerging Trends in Computing and Expert Technology Jan 01 2020 This book presents high-quality research papers that demonstrate how emerging technologies in the field of intelligent systems can be used to effectively meet global needs. The respective papers highlight a wealth of innovations and experimental results, while also addressing proven IT governance, standards and practices, and new designs and tools that facilitate rapid information flows to the user. The book is divided into five major sections, namely: “Advances in High Performance Computing”, “Advances in Machine and

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Deep Learning”, “Advances in Networking and Communication”, “Advances in Circuits and Systems in Computing” and “Advances in Control and Soft Computing”. **Computational Modeling of Objects Represented in Images** Sep 28 2019 This volume constitutes the refereed proceedings of the International Symposium "Computational Modeling of Objects Represented in Images. Fundamentals, Methods and Applications", CompIMAGE 2010, held in Buffalo, NY, in May 2010. The 28 revised full papers presented were carefully reviewed and selected from 77 submissions. They are organized in topical sections on

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theoretical foundations of image analysis and processing; methods and applications on medical imaging, bioimaging,

biometrics, and imaging in material sciences, as well as methods and applications on image reconstruction, computed tomography, and

other applications.
International Conference on Computer Applications 2012 :: Volume 05 Jun 05 2020