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Techno-Societal 2018 Recent Trends in Image Processing and Pattern Recognition Library Automation Issues in Structural and Materials Engineering: 2011 Edition Techno-Societal 2020 Data Analytics and Learning **Liquid Crystals Derived from Natural Molecules Innovations in Electrical and Electronics Engineering Mobile Communication and Power Engineering HYDROLOGY AND WATERSHED MANAGEMENT Emerging Research in Electronics, Computer Science and Technology** Innovations in Electronics and Communication Engineering **Innovations in Computer Science and Engineering** Energy Storage Systems **Handbook of Research on Advancements in Manufacturing, Materials, and Mechanical Engineering ProjectX India Algebraic Structures and Applications** *Techno-Societal 2016 Benzoic Acids: Advances in Research and Application: 2011 Edition* **Electric Circuits and Networks** Engineering Mathematics-II **Artificial Intelligence, Internet of Things (IoT) and Smart Materials for Energy Applications** *Machines, Mechanism and Robotics* **Smart Trends in Computing and Communications** Higher Education in the 21st Century: Challenges and Opportunities **Intelligent Computing in Information Technology for Engineering System** *Mobility for Smart Cities and Regional Development - Challenges for Higher Education Flexible Electronics for Electric Vehicles Electromagnetic Fields (Theory and Problems)* Internet of Things for Healthcare Technologies Water Resources Development and Management **Engineering Mathematics I** The Pomegranate **Seismic Design and Performance Managing and Processing Big Data in Cloud Computing Nuclear Chemistry** *Machine Learning and Deep Learning Techniques for Medical Science* Indian Science Abstracts *Proceedings of ICETIT 2019* **Web Services: Concepts, Methodologies, Tools, and Applications**

Algebraic Structures and Applications Jun 13 2021 This book explores the latest advances in algebraic structures and applications, and focuses on mathematical concepts, methods, structures, problems, algorithms and computational methods important in the natural sciences, engineering and modern technologies. In particular, it features mathematical methods and models of non-commutative and non-associative algebras, hom-algebra structures, generalizations of differential calculus, quantum deformations of algebras, Lie algebras and their generalizations, semi-groups and groups, constructive algebra, matrix analysis and its interplay with topology, knot theory, dynamical systems, functional analysis, stochastic processes, perturbation analysis of Markov chains, and applications in network analysis, financial mathematics and engineering mathematics. The book addresses both theory and applications, which are illustrated with a wealth of ideas, proofs and examples to help readers understand the material and develop new mathematical methods and concepts of their own. The high-quality chapters share a wealth of new methods and results, review cutting-edge research and discuss open problems and directions for future research. Taken together, they offer a source of inspiration for a broad range of researchers and research students whose work involves algebraic structures and their applications, probability theory and mathematical statistics, applied mathematics, engineering mathematics and related areas.

<u>Data Analytics and Learning</u> May 24 2022 This book presents new theories and working models in the area of data analytics and learning. The papers included in this volume were presented at the first International Conference on Data Analytics and Learning (DAL 2018), which was hosted by the Department of Studies in Computer Science, University of Mysore, India on 30–31 March 2018. The areas covered include pattern recognition, image processing, deep learning, computer vision, data analytics, machine learning, artificial intelligence, and intelligent systems. As such, the book offers a valuable resource for researchers and practitioners alike.

Smart Trends in Computing and Communications Nov 06 2020 This book gathers high-quality papers presented at the Fifth International Conference on Smart Trends in Computing and Communications (SmartCom 2021), organized by Global Knowledge Research Foundation (GR Foundation) from March 2 3, 2021. It covers the state of the art and emerging topics in 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.

Benzoic Acids: Advances in Research and Application: 2011 Edition Apr 11 2021 Benzoic Acids: Advances in Research and Application: 2011 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Benzoic Acids in a concise format. The editors have built Benzoic Acids: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Benzoic Acids in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Benzoic Acids: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available

exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Electromagnetic Fields (Theory and Problems) Jun 01 2020 Electromagnetic Fields

<u>Internet of Things for Healthcare Technologies</u> Apr 30 2020 This book focuses on recent advances in the Internet of Things (IoT) in biomedical and healthcare technologies, presenting theoretical, methodological, well-established, and validated empirical work in these fields. Artificial intelligence and IoT are set to revolutionize all industries, but perhaps none so much as health care. Both biomedicine and machine learning applications are capable of analyzing data stored in national health databases in order to identify potential health problems, complications and effective protocols, and a range of wearable devices for biomedical and healthcare applications far beyond tracking individuals' steps each day has emerged. These prosthetic technologies have made significant strides in recent decades with the advances in materials and development. As a result, more flexible, more mobile chip-enabled prosthetics or other robotic devices are on the horizon. For example, IoT-enabled wireless ECG sensors that reduce healthcare cost, and lead to better quality of life for cardiac patients. This book focuses on three current trends that are likely to have a significant impact on future healthcare: Advanced Medical Imaging and Signal Processing; Biomedical Sensors; and Biotechnological and Healthcare Advances. It also presents new methods of evaluating medical data, and diagnosing diseases in order to improve general quality of life.

Techno-Societal 2016 May 12 2021 This volume originates from the proceedings of a multidisciplinary conference, Techno-Societal 2016 in Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus is on technologies that help develop and improve society, in particular on issues such as the betterment of differently abled people, environment impact, livelihood, rural employment, agriculture,

healthcare, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This back and forth process for local-global interaction will help in solving local problems by global approach and help in solving global problems by improving local conditions.

Engineering Mathematics I Feb 27 2020 This book highlights the latest advances in engineering mathematics with a main focus on the mathematical models, structures, concepts, problems and computational methods and algorithms most relevant for applications in modern technologies and engineering. In particular, it features mathematical methods and models of applied analysis, probability theory, differential equations, tensor analysis and computational modelling used in applications to important problems concerning electromagnetics, antenna technologies, fluid dynamics, material and continuum physics and financial engineering. The individual chapters cover both theory and applications, and include a wealth of figures, schemes, algorithms, tables and results of data analysis and simulation. Presenting new methods and results, reviews of cutting-edge research, and open problems for future research, they equip readers to develop new mathematical methods and concepts of their own, and to further compare and analyse the methods and results discussed.The book consists of contributed chapters covering research developed as a result of a focused international seminar series on mathematics and applied mathematics and a series of three focused international research workshops on engineering mathematics organised by the Research Environment in Mathematics and Applied Mathematics at Mälardalen University from autumn 2014 to autumn 2015: the International Workshop on Engineering Mathematics for Electromagnetics and Health Technology; the International Workshop on Engineering Mathematics, Algebra, Analysis and Electromagnetics; and the 1st Swedish-Estonian International Workshop on Engineering

Mathematics, Algebra, Analysis and Applications.It serves as a source of inspiration for a broad spectrum of researchers and research students in applied mathematics, as well as in the areas of applications of mathematics considered in the book.

Recent Trends in Image Processing and Pattern Recognition Sep 28 2022 This three-book set constitutes the refereed proceedings of the Second International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) 2018, held in Solapur, India, in December 2018. The 173 revised full papers presented were carefully reviewed and selected from 374 submissions. The papers are organized in topical sections in the tree volumes. Part I: computer vision and pattern recognition; machine learning and applications; and image processing. Part II: healthcare and medical imaging; biometrics and applications. Part III: document image analysis; image analysis in agriculture; and data mining, information retrieval and applications.

Issues in Structural and Materials Engineering: 2011 Edition Jul 26 2022 Issues in Structural and Materials Engineering: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Structural and Materials Engineering. The editors have built Issues in Structural and Materials Engineering: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Structural and Materials Engineering in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Structural and Materials Engineering: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Engineering Mathematics-II Feb 09 2021 About the Book: This book Engineering Mathematics-II is designed as a self-contained, comprehensive classroom text for the second semester B.E. Classes of

Visveswaraiah Technological University as per the Revised new Syllabus. The topics included are Differential Calculus, Integral Calculus and Vector Integration, Differential Equations and Laplace Transforms. The book is written in a simple way and is accompanied with explanatory figures. All this make the students enjoy the subject while they learn. Inclusion of selected exercises and problems make the book educational in nature. It shou.

Emerging Research in Electronics, Computer Science and Technology Dec 19 2021 This book presents the proceedings of the International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT) organized by PES College of Engineering in Mandya. Featuring cutting-edge, peer-reviewed articles from the field of electronics, computer science and technology, it is a valuable resource for members of the scientific research community.

Web Services: Concepts, Methodologies, Tools, and Applications Jun 20 2019 Web service technologies are redefining the way that large and small companies are doing business and exchanging information. Due to the critical need for furthering automation, engagement, and efficiency, systems and workflows are becoming increasingly more web-based. Web Services: Concepts, Methodologies, Tools, and Applications is an innovative reference source that examines relevant theoretical frameworks, current practice guidelines, industry standards and standardization, and the latest empirical research findings in web services. Highlighting a range of topics such as cloud computing, quality of service, and semantic web, this multi-volume book is designed for computer engineers, IT specialists, software designers, professionals, researchers, and upper-level students interested in web services architecture, frameworks, and security.

Electric Circuits and Networks Mar 10 2021 Electric Circuits and Networks is designed to serve as a textbook for a two-semester undergraduate course on basic electric circuits and networks. The book builds on the subject from its basic principles. Spread over seventeen chapters, the book can be taught with varying degree of emphasis on its six subsections based on the course requirement. Written in a student-friendly manner, its narrative style places adequate stress on the principles that govern the behaviour of electric circuits and networks.

Mobile Communication and Power Engineering Feb 21 2022 This book comprises the refereed proceedings of the International Conference, AIM/CCPE 2012, held in Bangalore, India, in April 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of research and development activities in computer science, information technology, computational engineering, mobile communication, control and instrumentation, communication system, power electronics and power engineering.

Handbook of Research on Advancements in Manufacturing, Materials, and Mechanical Engineering Aug 15 2021 Production, new materials development, and mechanics are the central subjects of modern industry and advanced science. With a very broad reach across several different disciplines, selecting the most forward-thinking research to review can be a hefty task, especially for study in niche applications that receive little coverage. For those subjects, collecting the research available is of utmost importance. The Handbook of Research on Advancements in Manufacturing, Materials, and Mechanical Engineering is an essential reference source that examines emerging obstacles in these fields of engineering and the methods and tools used to find solutions. Featuring coverage of a broad range of topics including fabricating procedures, automated control, and material selection, this book is ideally designed for academics; tribology and materials researchers; mechanical, physics, and materials engineers; professionals in related industries; scientists; and students.

The Pomegranate Jan 28 2020 The pomegranate, Punica granatum L., is one of the oldest known edible fruits and is associated with the ancient civilizations of the Middle East. This is the first comprehensive book covering the botany, production, processing, health and industrial uses of the pomegranate. The cultivation of this fruit for fresh consumption, juice production and medicinal purposes has expanded more than tenfold over the past 20 years. Presenting a review of pomegranate growing,

from a scientific and horticultural perspective, this book provides information on how to increase yields and improve short- and medium-term grower profitability and sustainability.

Artificial Intelligence, Internet of Things (IoT) and Smart Materials for Energy Applications Jan 08 2021 This reference text offers the reader a comprehensive insight into recent research breakthroughs in blockchain, the Internet of Things (IoT), artificial intelligence and material structure and hybrid technologies in their integrated platform, while also emphasizing their sustainability aspects. The text begins by discussing recent advances in energy materials and energy conversion materials using machine learning, as well as recent advances in optoelectronic materials for solar energy applications. It covers important topics including advancements in electrolyte materials for solid oxide fuel cells, advancements in composite materials for Li-ion batteries, progression of materials for supercapacitor applications, and materials progression for thermochemical storage of low-temperature solar thermal energy systems. This book: Discusses advances in blockchain, the Internet of Things, artificial intelligence, material structure and hybrid technologies Covers intelligent techniques in materials progression for sensor development and energy material characterization using signal processing Examines the integration of phase change materials in construction for thermal energy regulation in new buildings Explores the current happenings in technology in conjunction with basic laws and mathematical models Connecting advances in engineering materials with the use of smart techniques including artificial intelligence, machine learning and Internet of Things (IoT) in a single volume, this text will be especially useful for graduate students, academic researchers and professionals in the fields of electrical engineering, electronics engineering, materials science, mechanical engineering and computer science.

Machine Learning and Deep Learning Techniques for Medical Science Sep 23 2019 The application of machine learning is growing exponentially into every branch of business and science, including medical science. This book presents the integration of machine learning (ML) and deep learning (DL) algorithms that can be applied in the healthcare sector to reduce the time required by doctors, radiologists, and other medical professionals for analyzing, predicting, and diagnosing the conditions with accurate results. The book offers important key aspects in the development and implementation of ML and DL approaches toward developing prediction tools and models and improving medical diagnosis. The contributors explore the recent trends, innovations, challenges, and solutions, as well as case studies of the applications of ML and DL in intelligent system-based disease diagnosis. The chapters also highlight the basics and the need for applying mathematical aspects with reference to the development of new medical models. Authors also explore ML and DL in relation to artificial intelligence (AI) prediction tools, the discovery of drugs, neuroscience, diagnosis in multiple imaging modalities, and pattern recognition approaches to functional magnetic resonance imaging images. This book is for students and researchers of computer science and engineering, electronics and communication engineering, and information technology; for biomedical engineering researchers, academicians, and educators; and for students and professionals in other areas of the healthcare sector. Presents key aspects in the development and the implementation of ML and DL approaches toward developing prediction tools, models, and improving medical diagnosis Discusses the recent trends, innovations, challenges, solutions, and applications of intelligent system-based disease diagnosis Examines DL theories, models, and tools to enhance health information systems Explores ML and DL in relation to AI prediction tools, discovery of drugs, neuroscience, and diagnosis in multiple imaging modalities Dr. K. Gayathri Devi is a Professor at the Department of Electronics and Communication Engineering, Dr. N.G.P Institute of Technology, Tamil Nadu, India. Dr. Kishore Balasubramanian is an Assistant Professor (Senior Scale) at the Department of EEE at Dr. Mahalingam College of Engineering & Technology, Tamil Nadu, India. Dr. Le Anh Ngoc is a Director of Swinburne Innovation Space and Professor in Swinburne University of Technology (Vietnam).

ProjectX India Jul 14 2021 ProjectX India | 1st February 2021 edition

provides you with power-packed information on 214 projects from 45 sectors of the Indian economy. In this issue we have covered 27 projects in Conceptual/Planning Stage, 40 Contract Awards, 57 Projects Under Implementation, 67 Tenders, and 23 other projects. When you buy this issue, you will get access to new projects, ongoing projects, contract awards, commissioned projects, and tenders information from India. Apart from this, the project information is provided along with the nearest contacts as available in the public domain to facilitate B2B exchange.

Nuclear Chemistry Oct 25 2019 This book is designed to serve as a textbook for core courses offered to postgraduate students enrolled in chemistry. This book can also be used as a core or supplementary text for nuclear chemistry courses offered to students of chemical engineering. The book covers various topics of nuclear chemistry like Shell model, fission/fusion reaction, natural radioactive equilibrium series, nuclear reactions carried by various types of accelerators. In addition, it describes the law of decay of radioactivity, type of decay, and interaction of radiation with matter. It explains the difference between ionization counter, scintillation counter and solid state detector. This book also consists of end-of-book problems to help readers aid self-learning. The detailed coverage and pedagogical tools make this an ideal textbook for postgraduate students and researchers enrolled in various chemistry and engineering courses. This book will also be beneficial for industry professionals in the allied fields.

Machines, Mechanism and Robotics Dec 07 2020 This volume includes select papers presented during the 4th International and 19th National Conference on Machines and Mechanism (iNaCoMM 2019), held in Indian Institute of Technology, Mandi. It presents research on various aspects of design and analysis of machines and mechanisms by academic and industry researchers.

Library Automation Aug 27 2022

Techno-Societal 2020 Jun 25 2022 This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India,

that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as sensor and ICT based technologies for the betterment of people, Technologies for agriculture and healthcare, micro and nano technological applications. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Innovations in Electronics and Communication Engineering Nov 18 2021 The book contains high quality papers presented in the Fifth International Conference on Innovations in Electronics and Communication Engineering (ICIECE 2016) held at Guru Nanak Institutions, Hyderabad, India during 8 and 9 July 2016. The objective is to provide the latest developments in the field of electronics and communication engineering specially the areas like Image Processing, Wireless Communications, Radar Signal Processing, Embedded Systems and VLSI Design. The book aims to provide an opportunity for researchers, scientists, technocrats, academicians and engineers to exchange their innovative ideas and research findings in the field of Electronics and Communication Engineering.

Indian Science Abstracts Aug 23 2019

Techno-Societal 2018 Oct 29 2022 This book, divided in two volumes, originates from Techno-Societal 2018: the 2nd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus is on technologies that help develop and improve society, in particular on

issues such as the betterment of differently abled people, environment impact, livelihood, rural employment, agriculture, healthcare, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Higher Education in the 21st Century: Challenges and Opportunities Oct 05 2020

Innovations in Electrical and Electronics Engineering Mar 22 2022 This book is a collection of selected research papers presented at the International Conference on Innovations in Electrical and Electronics Engineering (ICIEEE 2019), which was organized by the Guru Nanak Institutions, Ibrahimpatnam, Hyderabad, Telangana, India, on July 26–27, 2019. The book highlights the latest developments in electrical and electronics engineering, especially in the areas of power systems, power electronics, control systems, electrical machinery, and renewable energy. The solutions discussed here will encourage and inspire researchers, industry professionals, and policymakers to put these methods into practice.

Managing and Processing Big Data in Cloud Computing Nov 25 2019 Big data has presented a number of opportunities across industries. With these opportunities come a number of challenges associated with handling, analyzing, and storing large data sets. One solution to this challenge is cloud computing, which supports a massive storage and computation facility in order to accommodate big data processing. Managing and Processing Big Data in Cloud Computing explores the challenges of supporting big data processing and cloud-based platforms as a proposed solution. Emphasizing a number of crucial topics such as data analytics, wireless networks, mobile clouds, and machine learning, this publication meets the research needs of data analysts, IT professionals, researchers, graduate students, and educators in the areas of data science, computer programming, and IT development.

Seismic Design and Performance Dec 27 2019 This volume presents select papers presented at the 7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics. The papers discuss advances in the fields of soil dynamics and geotechnical earthquake engineering. Some of the themes include seismic design of deep & shallow foundations, soil structure interaction under dynamic loading, marine structures, etc. A strong emphasis is placed on connecting academic research and field practice, with many examples, case studies, best practices, and discussions on performance based design. This volume will be of interest to researchers and practicing engineers alike.

Flexible Electronics for Electric Vehicles Jul 02 2020 This book compiles the refereed papers presented during the 2nd Flexible Electronics for Electric Vehicles (FlexEV - 2021). It presents the diligent work of the research community on flexible electronics applications in different allied fields of engineering - engineering materials to electrical engineering to electronics and communication engineering. The theoretical research concepts are supported with extensive reviews highlighting the trends in the possible and real-life applications of electric vehicles. This book will be useful for research scholars, electric vehicles professionals, driving system designers, and postgraduates from allied domains. This book incorporates economical and efficient electric vehicle driving and the latest innovations in electric vehicle technology with their paradigms and methods that employ knowledge in the research community.

Water Resources Development and Management Mar 30 2020 The Papers In The Volume Arise From The Second International Conference On The Subject Held In 2002. Papers Are Grouped Under 5 Chapters-Ground Water Development And Management Drinking Water Supply And Management-Watershed Development-Water Resources Management-Agriculture Development And Conservation And Management Of Water Resources For Sustainable Development. In All There Are 28 Papers.

Energy Storage Systems Sep 16 2021 This book discusses generalized applications of energy storage systems using experimental, numerical, analytical, and optimization approaches. The book includes novel and hybrid optimization techniques developed for energy storage systems. It provides a range of applications of energy storage systems on a single platform. The book broadly covers—thermal management of electronic components in portable electronic devices; modeling and optimization aspects of energy storage systems; management of power generation systems involving renewable energy; testing, evaluation, and life cycle assessment of energy storage systems, etc. This book will serve as a reference resource for researchers and practitioners in academia and industry.

HYDROLOGY AND WATERSHED MANAGEMENT Jan 20 2022 The Proceeding contains the following sections: i) Groundwater Exploration and Exploitation; (ii) RS&GIS Applications in Water Resources; (iii) Watershed Management: Hydrological, Socio-Economic and Cultural Models; (iv) Water and Wastewater Treatment Technologies; (v) Rainwater Harvesting and Rural and Urban Water Supplies; (vi) Floods, Reservoir Sedimentation and Seawater Intrusion; (vii) Water Quality, Pollution and Environment; (viii) Irrigation Management; (ix) Water Logging and Water Productivity in Agriculture; (x) Groundwater Quality; (xi) Hydrologic Parameter Estimation and Modelling; (xii) Climate Change, Water, Food and Environmental Security; (xiii) Groundwater Recharge and Modelling; (xiv) Computational Methods in Hydrology; (xv) Soil and Water Conservation Technologies.

Liquid Crystals Derived from Natural Molecules Apr 23 2022
Mobility for Smart Cities and Regional Development - Challenges for Higher Education Aug 03 2020 This book presents recent research on interactive collaborative learning. We are currently witnessing a significant transformation in the development of education and especially post-secondary education. To face these challenges, higher education has to find innovative ways to quickly respond to these new needs. On the one hand, there is a pressure by the new situation in regard to the COVID pandemic. On the other hand, the methods and organizational forms of teaching and learning at higher educational institutions have changed rapidly in recent months. Scientifically based statements as well as excellent experiences (best practice) are absolutely necessary. These were the aims connected with the 24th International Conference on Interactive Collaborative Learning (ICL2021), which was held online by Technische Universität Dresden, Germany, on 22-24 September 2021. Since its beginning in 1998, this conference is devoted to new approaches in learning with a focus on collaborative learning in Higher Education. Nowadays, the ICL conferences are a forum of the exchange of relevant trends and research results as well as the presentation of practical experiences in Learning and Engineering Pedagogy. In this way, we try to bridge the gap between "pure" scientific research and the everyday work of educators. This book contains papers in the fields of Teaching Best Practices Research in Engineering Pedagogy Engineering Pedagogy Education Entrepreneurship in Engineering Education Project-Based Learning Virtual and Augmented Learning Immersive Learning in Healthcare and Medical Education. Interested readership includes policymakers, academics, educators, researchers in pedagogy and learning theory, schoolteachers, learning industry, further and continuing education lecturers, etc.
Proceedings of ICETIT 2019 Jul 22 2019 This book presents high-quality, original contributions (both theoretical and experimental) on Information Security, Machine Learning, Data Mining and Internet of Things (IoT). It gathers papers presented at ICETIT 2019, the 1st International Conference on Emerging Trends in Information Technology, which was held in Delhi, India, in June 2019. This conference series represents a targeted response to the growing need for research that reports on and assesses the practical implications of IoT and network technologies, AI and machine learning, data analytics and cloud computing, security and privacy, and next generation computing technologies.
Innovations in Computer Science and Engineering Oct 17 2021 This book features a collection of high-quality, peer-reviewed research papers presented at the 8th International Conference on Innovations in Computer Science & Engineering (ICICSE 2020), held at Guru Nanak

Institutions, Hyderabad, India, on 28–29 August 2020. It covers the latest research in data science and analytics, cloud computing, machine learning, data mining, big data and analytics, information security and privacy, wireless and sensor networks and IoT applications, artificial intelligence, expert systems, natural language processing, image processing, computer vision and artificial neural networks.

Intelligent Computing in Information Technology for Engineering System Sep 04 2020 International Conference on "Intelligent Computing in Information Technology for Engineering System" gives a platform to researchers, academies, scientists and industrialists to present, discuss and share their research work, experiences, innovative encouraging and evolutionary experimental results on various ongoing upcoming enriching technologies. Various international keynote speakers were invited who enlighten the conference with their expertise domain knowledge and experience sharing with all. Subject areas chosen to share the ideas are very interesting, like computational intelligence, IOT powered technologies, last but not least intelligent computing technologies also.