

Proceedings Of The International Conference Of Experimental And Numerical Investigations And New Technologies Cnntech 2018

This book presents the Proceedings of ICON-2019, an international meeting exclusively dedicated to nanostructured materials in medicinal applications. The conference emphasized the recent advances in multidisciplinary research on processing, morphology, structure and properties of nanostructured materials and their applications in various medicinal fields. The papers encompass basic studies and applications and address topics of novel issues, difficulties, and breakthroughs in the field of nanomedicine in cancer, tuberculosis, tissue engineering, regenerative medicine etc.

With age-appropriate, inquiry-centered curriculum materials and sound teaching practices, middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them. Resources for Teaching Middle School Science, developed by the National Science Resources Center (NSRC), is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8. The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards. This completely new guide follows on the success of Resources for Teaching Elementary School Science, the first in the NSRC series of annotated guides to hands-on, inquiry-centered curriculum materials and other resources for science teachers. The curriculum materials in the new guide are grouped in five chapters by scientific area-Physical Science, Life Science, Environmental Science, Earth and Space Science, and Multidisciplinary and Applied Science. They are also grouped by type-core materials, supplementary units, and science activity books. Each annotation of curriculum material includes a recommended grade level, a description of the activities involved and of what students can be expected to learn, a list of accompanying materials, a reading level, and ordering information. The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide. The criteria reflect and incorporate goals and principles of the National Science Education Standards. The annotations designate the specific content standards on which these curriculum pieces focus. In addition to the curriculum chapters, the guide contains six chapters of diverse resources that are directly relevant to middle school science. Among these is a chapter on educational software and multimedia programs, chapters on books about science and teaching, directories and guides to science trade books, and periodicals for teachers and students. Another section features institutional resources. One chapter lists about 600 science centers, museums, and zoos where teachers can take middle school students for interactive science experiences. Another chapter describes nearly 140 professional associations and U.S. government agencies that offer resources and assistance. Authoritative, extensive, and thoroughly indexed-and the only guide of its kind-Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers, school administrators, teacher trainers, science curriculum specialists, advocates of hands-on science teaching, and concerned parents.

This book sheds light on the emerging research trends in intelligent systems and their applications. It mainly focuses on three different themes, including software engineering, ICT in education, and management information systems. Each chapter contributes to the aforementioned themes by discussing the recent design, developments, and modifications of intelligent systems and their applications.

The Second International Conference on Press-in Engineering (ICPE) 2021 was organized by the International Press-in Association (IPA). The conference is held every three years and the main theme this time is "Evolution and Social Contribution of Press-in Engineering for Infrastructure Development, and Disaster Prevention and Mitigation". These proceedings contain 2 keynote lectures, 3 state-of-the-art lectures and about 60 papers from more than 10 countries. This publication provides good practice guidance on the application of the press-in piling method, to satisfy the requirements of geo-structures which are embedded utilizing prefabricated piles. It covers actual examples of the press-in piling method applied to various geo-structures, such as temporary and permanent retaining walls, cofferdams, cut-off walls, foundation piles etc. The content addresses the technical and construction issues relating to the selection of the appropriate type of press-in piling method, in accordance with required structural design criteria and soil and working conditions. The aim of this publication is to concisely describe practical uses of the press-in piling method for project owners, designers, contractors, academic researchers and other people in the construction industry.

This book presents the proceedings of the 5th International Conference on Advanced Intelligent Systems and Informatics 2019 (AISII2019), which took place in Cairo, Egypt, from October 26 to 28, 2019. This international and interdisciplinary conference, which highlighted essential research and developments in the fields of informatics and intelligent systems, was organized by the Scientific Research Group in Egypt (SRGE). The book is divided into several sections, covering the following topics: machine learning and applications, swarm optimization and applications, robotic and control systems, sentiment analysis, e-learning and social media education, machine and deep learning algorithms, recognition and image processing, intelligent systems and applications, mobile computing and networking, cyber-physical systems and security, smart grids and renewable energy, and micro-grid and power systems.

The International Conference on Health Care Systems Engineering (HCSE) provided a timely opportunity to discuss statistical analysis and operations management issues in health care delivery systems. The conference took place in Milan between May 22nd and 24th, 2013. Scientists and practitioners discussed new ideas, methods and technologies for improving the operation of health care organizations. The event and this resulting volume emphasize research in the field of health care systems engineering developed in close collaboration with clinicians. Topics applicable to researchers and practitioners include: hospital drug logistics, operating theatres, modelling and simulation in patient care and healthcare organizations, home care services.

This book contains papers presented in the 3rd International Conference on Separation Technology 2020 (ICoST 2020) held from 15 to 16th August 2020 at Johor, Malaysia. This proceeding contains papers presented by academics and industrial practitioners showcasing the latest advancements and findings in field of separation technology. The papers are categorized under the following tracks and topics of research: Environment Engineering Biotechnology Absorption and Adsorption Technology Wastewater Treatment ICoST 2020 covers multidisciplinary perspectives on separation research and aims to promote scientific information interchange between academics, researchers, graduates and industry professionals worldwide. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

[Resources for Teaching Middle School Science](#)

[Proceedings of the International Conference of the Centre for International Law Studies \(CILS 2018\), October 2-3, 2018, Malang, Indonesia](#)

[Proceedings of the 9th International Conference of the International Society for the Advancement of Kinanthropometry](#)

[Communication and Computing Systems](#)

[ICSEC 2020](#)

[Volume 2](#)

[Proceedings of the International Conference on Communication and Computing Systems \(ICCCS 2016\), Gurgaon, India, 9-11 September, 2016](#)

[Proceedings of the International Conference on Health Care Systems Engineering](#)

[Proceedings of International Conference on Trends in Computational and Cognitive Engineering](#)

[Proceedings of the Tenth International Conference on Management Science and Engineering Management](#)

[Proceedings of International Conference on Advances in Computing](#)

[Proceedings of International Conference on Computational Intelligence and Data Engineering](#)

This is an edited collection of peer-reviewed papers presented at the Ninth International Conference of the Society for the Advancement of Kinanthropometry. Defined as the relationship between human body structure and function, kinanthropometry is an area of growing interest, and these proceedings will be of use to students, academics and professionals in the areas of ergonomics, sports science, nutrition, health, and other allied fields. The assembled works represent the latest research findings across kinanthropometry, moving the discipline forward and promoting good practice and the exchange of expertise.

This book presents the proceedings of the 1st International Conference on Artificial Intelligence and Computer Visions (AICV 2020), which took place in Cairo, Egypt, from April 8 to 10, 2020. This international conference, which highlighted essential research and developments in the fields of artificial intelligence and computer visions, was organized by the Scientific Research Group in Egypt (SRGE). The book is divided into sections, covering the following topics: swarm-based optimization mining and data analysis, deep learning and applications, machine learning and applications, image processing and computer vision, intelligent systems and applications, and intelligent networks.

The volume contains latest research work presented at International Conference on Computing and Communication Systems (I3CS 2016) held at North Eastern Hill University (NEHU), Shillong, India. The book presents original research results, new ideas and practical development experiences which concentrate on both theory and practices. It includes papers from all areas of information technology, computer science, electronics and communication engineering written by researchers, scientists, engineers and scholar students and experts from India and abroad.

This book is a collection of accepted papers that were presented at the International Conference on Communication and Computing Systems (ICCCS-2016), Dronacharya College of Engineering, Gurgaon, September 9 – 11, 2016. The purpose of the conference was to provide a platform for interaction between scientists from industry, academia and other areas of society to discuss the current advancements in the field of communication and computing systems. The papers submitted to the proceedings were peer-reviewed by 2-3 expert referees. This volume contains 5 main subject areas: 1. Signal and Image Processing, 2. Communication & Computer Networks, 3. Soft Computing, Intelligent System, Machine Vision and Artificial Neural Network, 4. VLSI & Embedded System, 5. Software Engineering and Emerging Technologies.

[Proceedings from the International Conference on Advances in Engineering and Technology \(AET2006\)](#)

This book gathers the proceedings of the 14th International Conference on Management Science and Engineering Management (ICMSEM 2020). Held at the Academy of Studies of Moldova from July 30 to August 2, 2020, the conference provided a platform for researchers and practitioners in the field to share their ideas and experiences. Covering a wide range of topics, including hot management issues in engineering science, the book presents novel ideas and the latest research advances in the area of management science and engineering management. It includes both theoretical and practical studies of management science applied in computing methodology, highlighting advanced management concepts, and computing technologies for decision-making problems involving large, uncertain and unstructured data. The book also describes the changes and challenges relating to decision-making procedures at the dawn of the big data era, and discusses new technologies for analysis, capture, search, sharing, storage, transfer and visualization, as well as advances in the integration of optimization, statistics and data mining. Given its scope, it will appeal to a wide readership, particularly those looking for new ideas and research directions.

This book brings together papers presented at the 3rd Conference of Research in Economics and Management (CIREG) held in Morocco in May 2016. With a focus on the challenges of SMEs and innovative solutions, they highlight the contribution of researchers in the fields of business and management, with all their micro and macro-economic aspects. They shed light on the universal scientific vision of the importance of SMEs with answers relevant to their local context and adapted to their specific national situation. The relevance of SME research lies in its heuristic value of analyzing change, rather than in constructing a category, a particularly useful empirical concept. This first volume is focused on economic issues.

[Proceedings of the International Conference on Aerial Navigation, Held in Chicago, August 1, 2, 3 and 4, 1893](#)

[Proceedings of the International Conference on Artificial Intelligence and Computer Vision \(AICV2020\)](#)

[Proceedings of the ... International Conference on Amorphous and Liquid Semiconductors](#)

[Sustainable Design in Construction, Materials and Processes](#)

[ICCIDE 2017](#)

[ICCAI 2020](#)

[Proceedings of International Conference on Emerging Technologies and Intelligent Systems](#)

[Proceedings of the Second International Conference on Press-in Engineering 2021, Kochi, Japan](#)

[Proceedings of the International Conference](#)

[Proceedings of the Thirteenth International Conference on Management Science and Engineering Management](#)

[Deep Water Technology](#)

[Proceedings of the International Conference on Managing the Asian Century](#)

This book gathers the proceedings of the 13th International Conference on Management Science and Engineering Management (2019), which was held at Brock University, Ontario, Canada on August 5–8, 2019. Exploring the latest ideas and pioneering achievements in management science and engineering management, the respective contributions highlight both theoretical and empirical studies on management science and computing methodologies, and present advanced management concepts and computing solutions for decision-making problems involving large, uncertain and unstructured data. Accordingly, the proceedings offer researchers and practitioners in related fields an essential update, as well as a source of new research directions.

The book presents high quality research work in cutting edge technologies and most-happening areas of computational intelligence and engineering. It contains selected papers presented at International Conference on Computational Intelligence and Data Engineering (ICIDE 2017). The conference was conceived as a forum for presenting and exchanging ideas and results of the researchers from academia and industry onto a common platform and help them develop a comprehensive understanding of the challenges of technological innovation from different viewpoints. This book will help in fostering a healthy and vibrant relationship between academia and industry. The topics of the conference include, but are not limited to collective intelligence, intelligent transportation systems, fuzzy systems, Bayesian networks, optimization, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence, and speech processing.

The Proceedings of The Third International Conference on Communications, Signal Processing and Systems provides the state-of-the-art developments of Communications, Signal Processing and Systems. The conference covered such topics as wireless communication systems, signal processing for communications. This book is a collection of contributions coming out of Third International Conference on Communications, Signal Processing and Systems held on July 2014 in Hohhot, Inner Mongolia, China.

The International Conference on Education, Reflection and Development took place in May 2013 at Babes-Bolyai University of Cluj-Napoca, Romania. The event was organized by the Educational Sciences Department of the Faculty of Psychology and Educational Sciences. It brought together participants from various different countries, including Israel, Greece, Turkey, Republic of Moldova, the United States of America, the United Kingdom and Romania. The conference gave these scholars the opportunity to present their research and to discuss it with other researchers.

This book gathers selected papers presented at the 2nd International Conference on Smart Energy and Communication (ICSECE 2020) held at Poornima Institute of Engineering and Technology, Jaipur, India, on March 20–21, 2020. It covers a range of topics in electronics, communication engineering and electrical engineering, including analog circuit design, image processing, wireless and microwave communication, optoelectronics and photonic devices, nano-electronics, renewable energy, smart grid, power systems and industrial applications.

This volume gathers the latest advances, innovations, and applications in the field of mining, geology and geo-spatial technology presented by leading researchers and engineers at the International Conference on Innovations for Sustainable and Responsible Mining (ISRMI), held in Hanoi, Vietnam on October 15-17 2020. The contributions cover a diverse range of topics, including mining technology, drilling and blasting engineering, tunneling and geotechnical applications, mineral processing, mine management and economy, risk assessment and management, mining and local development, mined land rehabilitation, water management and hydrogeology. Geology and tectonics, spatial engineering for monitoring natural resources and environment change, GIS and remote sensing, disaster monitoring, risk mapping and revisualization, natural resources monitoring and management, mine occupational safety. Selected by means of a rigorous peer-review process, they will spur novel research directions and foster future multidisciplinary collaborations.

The broad and developing scope of ergonomics - the application of scientific knowledge to improve peoples' interaction with machines and environments - has been illustrated for over twenty years by the books that make up the Contemporary Ergonomics series. The proceedings of the Ergonomics Society's annual conference, the series embraces the wide range of topics. Individual papers present new research findings and form an invaluable reference source. The volumes provide a fast track publication of suitable papers from international contributors. These are chosen on the basis of abstracts submitted to a selection committee in autumn prior to the Ergonomics Society's annual conference held in the spring. A wide range of topics are covered in these papers including: applications of ergonomics, air traffic control, cognitive ergonomics, defence, design, environmental ergonomics, ergonomics in schools, hospital ergonomics, inclusive design, methods and tools, occupational health and safety, slips, trips & falls, transport. As well as being of interest to mainstream ergonomists and human factors specialists, Contemporary Ergonomics is also of interest to those who are concerned with people's interactions with their working and leisure environment including designers, manufacturing engineers, health and safety specialists, occupational, applied and industrial psychologists, and applied physiologists.

[Developing a 21st Century Global Library for Mathematics Research](#)

[ICETIS 2021 \(Volume 1\).](#)

[ISRMI 2020 - Volume 2](#)

[Proceedings of the Fourteenth International Conference on Management Science and Engineering Management](#)

[Contemporary Ergonomics 2005](#)

[Proceedings of International Conference on Communication and Artificial Intelligence](#)

[Proceedings of the International Conference on Contemporary Ergonomics \(CE2005\), 5-7 April 2005, Hatfield, UK](#)

[Alloy 800](#)

[Proceedings of the International Conference on Livestock in the Tropics](#)

[Proceedings of the International Conference on Artificial Intelligence and Computer Vision \(AICV2021\)](#)

[The Proceedings of the Third International Conference on Communications, Signal Processing, and Systems](#)

[Proceedings of the 3rd International Conference of Economics and Management \(CIREG 2016\) Volume I](#)

In this era of globalization, International Law plays a significant role in facing rapid development of various legal issues. Cultural preservation has emerged as an important legal issue that should be considered by States. This book consists of academic papers presented and discussed during the 9th International Conference of the Centre of International Law Studies (9th CILS Conference) held in Malang, Indonesia, 2–3 October 2018.

2018. The title of the book represents the major theme of the conference: "Culture and International Law." It is argued that along with globalization, cultural preservation is slowly ignored by States. Various papers presented in the book cover five topics: cultural heritage; cultural rights; culture and economic activity; culture and armed conflict; and a general topic. The authors of the papers are outstanding academics from various countries, Lithuania, United States of America, Australia, Thailand and Indonesia. The conference was organized by Universitas Indonesia in collaboration with Brawijaya University. This book aims to give a useful contribution to the existing literature on International Law, specifically focussing on cultural issues from the perspective of cultural heritage and rights, economic as well as armed conflict. These proceedings gather outstanding research papers presented at the Second International Conference on Data Engineering 2015 (DaEng-2015) and offer a consolidated overview of the latest developments in databases, information retrieval, data mining and knowledge management. The conference brought together researchers and practitioners from academia and industry to address key challenges in these fields, discuss advanced data engineering concepts and form new collaborations. The topics covered include but are not limited to: • Data engineering • Big data • Data and knowledge visualization • Data management • Data mining and warehousing • Data privacy & security • Database theory • Heterogeneous databases • Knowledge discovery in databases • Mobile, grid and cloud computing • Knowledge management • Parallel and distributed data • Temporal data • Web data, services and information engineering • Decision support systems • E-Business engineering and management • E-commerce and e-learning • Geographical information systems • Information management • Information quality and strategy • Information retrieval, integration and visualization • Information security • Information systems and technologies

This book presents the proceedings of the Tenth International Conference on Management Science and Engineering Management (ICMSEM2016) held from August 30 to September 02, 2016 at Baku, Azerbaijan and organized by the International Society of Management Science and Engineering Management, Sichuan University (Chengdu, China) and Ministry of Education of Azerbaijan. The aim of conference was to foster international research collaborations in management science and engineering management as well as to provide a forum to present current research findings. The presented papers were selected and reviewed by the Program Committee, made up of respected experts in the area of management science and engineering management from around the globe. The contributions focus on identifying management science problems in engineering, innovatively using management theory and methods to solve engineering problems effectively and establishing novel management theories and methods to address new engineering management issues.

This book includes a selection of articles from the 2018 International Conference on Information Technology & Systems (ICITS 18), held on January 10 - 12, 2018, at the Universidad Estatal Península de Santa Elena, Libertad City, Ecuador. ICIST is a global forum for researchers and practitioners to present and discuss recent findings and innovations, current trends, lessons learned and the challenges of modern information technology and systems research, together with their technological development and applications. The main topics covered include information and knowledge management; organizational models and information systems; software and systems modeling; software systems, architectures, applications and tools; multimedia systems and applications; computer networks, mobility and pervasive systems; intelligent and decision support systems; big data analytics and applications; human-computer interaction; ethics, computers & security; health informatics; and information technologies in education. Like most areas of scholarship, mathematics is a cumulative discipline: new research is reliant on well-organized and well-curated literature. Because of the precise definitions and structures within mathematics, today's information technologies and machine learning tools provide an opportunity to further organize and enhance discoverability of the mathematics literature in new ways, with the potential to significantly facilitate mathematics research and learning. Opportunities exist to enhance discoverability directly via new technologies and also by using technology to capture important interactions between mathematicians and the literature for later sharing and reuse. Developing a 21st Century Global Library for Mathematics Research discusses how information about what the mathematical literature contains can be formalized and made easier to express, encode, and explore. Many of the tools necessary to make this information system a reality will require much more than indexing and will instead depend on community input paired with machine learning, where mathematicians' expertise can fill the gaps of automatization. This report proposes the establishment of an organization;

the development of a set of platforms, tools, and services; the deployment of an ongoing applied research program to complement the development work; and the mobilization and coordination of the mathematical community to take the first steps toward these capabilities. The report recommends building on the extensive work done by many dedicated individuals under the rubric of the World Digital Mathematical Library, as well as many other community initiatives. Developing a 21st Century Global Library for Mathematics envisions a combination of machine learning methods and community-based editorial effort that makes a significantly greater portion of the information and knowledge in the global mathematical corpus available to researchers as linked open data through a central organizational entity-referred to in the report as the Digital Mathematics Library. This report describes how such a library might operate - discussing development and research needs, role in facilitating discover and interaction, and establishing partnerships with publishers.

This is the first International Conference on Advances in Computing (ICAdC-2012). The scope of the conference includes all the areas of New Theoretical Computer Science, Systems and Software, and Intelligent systems. Conference Proceedings is a culmination of research results, papers and the theory related to all the three major areas of computing mentioned above. Helps budding researchers, graduates in the areas of Computer Science, Information Science, Electronics, Telecommunication, Instrumentation, Networking to take forward their research work based on the reviewed results in the paper by mutual interaction through e-mail contacts in the proceedings.

This volume presents the refereed papers given at the International Conference on Managing the Asian Century, held in Singapore in July 2013. The proceedings of this conference include original papers contributed by researchers from many countries on different continents. The papers cover multi-disciplinary areas such as management, the social sciences, development economics, banking & finance, engineering management, and education, all in connection with the development of countries in Asia. Further, the papers are based on the 9 tracks at the conference: Transnational Education Antecedents of Asia's Competitiveness Emerging Trends in Banking, Finance and Accounting Business and Revenue Models in the Gaming Industry Psychological Issues in Asia Emerging Retail and Service Industries Entrepreneurship, Creativity and Innovation Systems Thinking and Systems Practices Tourism Initiatives, Relationships and Issues in the Asia-Pacific Region

[Proceedings of the 3rd International Conference on Separation Technology](#)

[Proceedings of the International Conference on Innovations for Sustainable and Responsible Mining](#)

[Proceedings from the International Conference on Advances in Engineering And Technology \(Aet2006\)](#)

[Proceedings of Second International Conference on Smart Energy and Communication](#)

[Proceedings of the International Conference on Nanomedicine \(ICON-2019\)](#)

[Microbeam Analysis](#)

[Kinanthropometry IX](#)

[Proceedings of the International Conference on Information Technology & Systems \(ICITS 2018\)](#)

[TCCE 2019](#)

[Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2019](#)

[Proceedings of the International Conference on Education, Reflection and Development](#)

[Proceedings of the International Conference on Computing and Communication Systems](#)

This book presents various computational and cognitive modeling approaches in the areas of health, education, finance, the engineering, commerce and industry. Gathering selected conference papers presented at the International Conference on Trends in Computational and Cognitive Engineering (TCCE), it shares cutting-edge insights and ideas from mathematicians, engineers, scientists and researchers and discusses fresh perspectives on problem solving in a range of research areas.

This book contains the proceedings of the 7th International Conference on the Assessment of Animal Welfare at the Farm and Level, held September 5-8, 2017 in Wageningen, the Netherlands.

Microbeam Analysis provides a major forum for the discussion of the latest microanalysis techniques using electron, ion, and X-ray beams. The volume contains 250 papers from the leading researchers in this advancing field. Researchers in physics, material science, electrical and electronic engineering will find useful information in this volume.

[Proceedings of the International Conference on Data Engineering 2015 \(DaEng-2015\)](#)

[ICMAC 2013](#)

[Proceedings of the 1st International Conference in Safety and Crisis Management in the Construction, Tourism and SME Sectors](#)

[Proceedings of the International Conference on Microbeam Analysis, 8-15 July, 2000](#)

[Proceedings of the Petten International Conference](#)

[Culture and International Law](#)

[I3CS 2016, NEHU, Shillong, India](#)

[Proceedings of the 7th International Conference on the Assessment of Animal Welfare at the Farm and Group Level](#)