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2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing
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Challenges for Technology Innovation: An Agenda for the Future

This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies,

University of Delhi, Delhi, India, on 21–23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing

The complex problems of education and technological development and information demands, then takes its main innovations in learning. The purpose of this Education is Innovation in order to improve the quality, effectiveness, efficiency, relevance and productivity, making the learning process more meaningful and fun for children. Innovation can be performed in all subjects, learning methods, media and evaluation. Innovation-based learning local culture values will yield the superior character that will benefit children in the face of a globalized world. So is innovation technology-based learning, make learning be fun so that children become active and creative ideas, thoughts, research related to the innovation of education can be presented in International Conference Education, Culture and technology is preferred. The theme of this Conference: Innovation of Education to Improve Character Value for Childern.

Leadership, Innovation and Entrepreneurship as Driving Forces of the Global Economy

This book constitutes the proceedings of the 5th International Conference on Technologies and Innovation, CITI 2019, held in Guayaquil, Ecuador, in December 2019. The 14 full papers presented in this volume were carefully reviewed and selected from 32 submissions. They are organized in topical sections named: ICT in agronomy; knowledge-based systems and pattern recognition; internet of things and computer architecture.

International Conference on Power Control and Optimization

These proceedings represent the work of researchers participating in the 6th International Conference on Innovation and Entrepreneurship (ICIE 2018) which is being co-hosted by Georgetown University and George Washington University and is being held at The University of the District of Columbia (UDC) on 5-6 March 2018.

International Conference on Innovative Computing and Communications

This book addresses a range of real-world issues including industrial activity, energy management, education, business and health. Today, technology is a part of virtually every human activity, and is used to support, monitor and manage equipment, facilities, commodities, industry, business, and individuals' health, among others. As technology evolves, new applications, methods and techniques arise, while at the same time citizens' expectations from technology continue to

grow. In order to meet the nearly insatiable demand for new applications, better performance and higher reliability, trustworthiness, security, and power consumption efficiency, engineers must deliver smart innovations, i.e., must develop the best techniques, technologies and services in a way that respects human beings and the environment. With that goal in mind, the key topics addressed in this book are: smart technologies and artificial intelligence, green energy systems, aerospace engineering/robotics and IT, information security and mobile engineering, IT in bio-medical engineering and smart agronomy, smart marketing, management and tourism policy, technology and education, and hydrogen and fuel-cell energy technologies.

International Conference for Innovation in Biomedical Engineering and Life Sciences

This book presents endeavors to join synergies in order to create added value for society, using the latest scientific knowledge to boost technology transfer from academia to industry. It potentiates the foundations for the creation of knowledge- and entrepreneurial cooperation networks involving engineering, innovation, and entrepreneurship stakeholders. The Regional HELIX 2018 conference was organized at the University of Minho's School of Engineering by the METRICs and Algoritmi Research Centers, and took place in Guimarães, Portugal, from June 27th to 29th, 2018. After a rigorous peer-review process, 160 were accepted for publication, covering a wide range of topics, including Control, Automation and Robotics; Mechatronics Design, Medical Devices and Wellbeing; Cyber-Physical Systems, IoT and Industry 4.0; Innovations in Industrial Context and Advanced Manufacturing; New Trends in Mechanical Systems Development; Advanced Materials and Innovative Applications; Waste to Energy and Sustainable Environment; Operational Research and Industrial Mathematics; Innovation and Collaborative Arrangements; Entrepreneurship and Internationalization; and Oriented Education for Innovation, Engineering and/or Entrepreneurship.

Proceedings of the 2nd International Conference on Building Innovations

Chiangmai, Thailand, 18-20 July 2008

International Conference on Innovative Computing and Communications

This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on 21-23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

CIGOS 2019, Innovation for Sustainable Infrastructure

This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on 21-23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Innovation in Design, Communication and Engineering

This book constitutes the refereed proceedings of the Second International Conference on Innovative Technologies and Learning, ICITL 2019, held in Tromsø, Norway, in December 2019. The 85 full papers presented together with 4 short papers were carefully reviewed and selected from 189 submissions. The papers are organized in the following topical sections: application and design of innovative learning software; artificial intelligence and data mining in education; augmented and virtual reality in education; computational thinking in education; design and framework of learning systems; educational data analytics techniques and adaptive learning applications; evaluation, assessment and test; innovative learning in education; mobile learning; new perspectives in education; online course and web-based environment; pedagogies to innovative technologies; social media learning; technologies enhanced language learning; and technology and engineering education.

International Conference on Innovative Computing and Communications

Business Innovation and Development in Emerging Economies

This book presents the proceedings of the 1st EAI International Conference on Technology, Innovation, Entrepreneurship and Education (TIE 2017), which took place at Canterbury Christ Church University on September 11-12, 2017. The central theme of the conference is creativity and innovation, especially in relation to technology, business, education, social and political needs that make modern society flourish. The proceedings feature papers from a cross-disciplinary audience that explore the process of creativity and innovation. The goal is that the various disciplines can learn from each other and see how they might benefit from the cross-fertilization of practices.

Transdisciplinary Engineering Methods for Social Innovation of Industry 4.0

Proceedings of the 5th International Conference on Innovation and Entrepreneurship held in Cyberjaya, Malaysia on 26th-27th April 2017.

Interactivity, Game Creation, Design, Learning, and Innovation

This book presents selected peer-reviewed papers from the International Conference on Mechanical and Energy Technologies, which was held on 7-8 November 2019 at Galgotias College of Engineering and Technology, Greater Noida, India. The book reports on the latest developments in the field of mechanical and energy technology in contributions prepared by experts from academia and industry. The broad range of topics covered includes aerodynamics and fluid mechanics, artificial intelligence, nonmaterial and nonmanufacturing technologies, rapid manufacturing technologies and prototyping, remanufacturing, renewable energies technologies, metrology and computer-aided inspection, etc. Accordingly, the book offers a valuable resource for researchers in various fields, especially mechanical and industrial engineering, and energy technologies.

Applied System Innovation

3rd International Conference on Innovative Technologies for Clean and Sustainable Development

This book constitutes the proceedings of two conferences: The 6th International Conference on ArtsIT, Interactivity and Game Creation (ArtsIT 2017) and the Second International Conference on Design, Learning and Innovation (DLI 2017). The event was hosted in Heraklion, Crete, Greece, in October 2017 and attracted 65 submissions from which 50 full papers were selected for publication in this book. The papers represent a forum for the dissemination of cutting-edge research results in the area of arts, design and technology, including open related topics like interactivity and game creation.

EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing

The 2015 International Conference on Applied System Innovation (ICASI 2015) was held May 22-27, 2015 in Osaka, Japan and provided a unified communication platform for researchers active in a wide range of research fields. Professionals from industry, academia and government were encouraged to discourse on research and development, professional practice, business and management in the information, innovation, communication and engineering fields. This conference enabled interdisciplinary collaboration between science and engineering technologists in the academic and industry fields as well as networking internationally. The conference received 1063 submitted papers, whereby 421 papers were selected by the committees to be presented at the ICASI 2015 conference. These papers were divided into 13 Regular Sessions and 13 Invited Sessions, and presented in several parallel sessions. The ICASI 2015 committees selected 226 excellent papers for publication in this proceedings volume, covering topics ranging from information technology, innovation design, communication science and engineering, industrial design, creative design, applied mathematics, computer science, design theory and cultural and creative research to electrical and electronic engineering, mechanical and automation engineering, green technology and architecture engineering and material science, among others.

Interactivity, Game Creation, Design, Learning, and Innovation

The world is undergoing a profound transformation, driven by radical technological changes and an accelerated globalisation process. A new culture of greater resource efficiency and disruptive innovation will require new technologies, processes and materials, fostering new knowledge, innovation, education and a digital society, bringing forward new business opportunities and novel solutions to major societal challenges. Challenges for Technology Innovation: an Agenda for the Future is the result of the 1st International Conference on Sustainable Smart Manufacturing – S2M, held at the Faculty of Architecture in Lisbon, Portugal, on October 20-22, 2016. It contains innovative contributions in the field of Sustainable Smart Manufacturing and related topics, making a significant contribution to further development of these fields. This volume covers a wide range of topics including Design and Digital Manufacturing, Design Education, Eco Design and Innovation, Future Cities, Medicine 4.0, Smart Manufacturing, Sustainable Business Models, Sustainable Construction, Sustainable Design and Technology and Sustainable Recycling.

Technologies and Innovation

This volume represents the proceedings of the 2014 3rd International Conference on Innovation, Communication and Engineering (ICICE 2014). This conference was held in Guiyang, Guizhou, P.R. China, October 17-22, 2014. The conference provided a unified communication platform for researchers in a wide range of fields from information technology,

ACRID 2017

EAI International Conference on Technology, Innovation, Entrepreneurship and Education

This volume constitutes the proceedings of the 4th International Conference on E-Technologies, MCETECH 2009, held in Ottawa, Canada, during May 4-6, 2009. The 23 full and 4 short papers included in this volume were carefully reviewed and selected from a total of 42 submissions. They cover topics such as inter-organizational processes, service-oriented architectures, security and trust, middleware infrastructures, open source and open environments, and applications including eGovernment, eEducation, and eHealth.

Innovation, Engineering and Entrepreneurship

This volumes presents the proceedings of ICIBEL 2015, organized by the Centre for Innovation in Medical Engineering (CIME) under Innovative Technology Research Cluster, University of Malaya. It was held in Kuala Lumpur, Malaysia, from 6-8 December 2015. The ICIBEL 2015 conference promotes the latest researches and

developments related to the integration of the Engineering technology in medical fields and life sciences. This includes the latest innovations, research trends and concerns, challenges and adopted solution in the field of medical engineering and life sciences.

Proceedings of the 2nd International Conference on Innovation in Artificial Intelligence

Business Innovation driven by the advancement of technology has dramatically changed the business landscape over recent years, not only in advanced countries but also in emerging markets. It is expected that business innovation could help achieve economic inclusion, which has been a global initiative over the last decade, creating opportunities for all people to benefit from the economic development. These proceedings provide an outlet for discussing the importance of business innovation, especially in emerging countries in helping to reach inclusive economies. The papers cover the subject areas management, accounting, finance, economics and social sciences.

Innovative Technologies and Learning

Proceedings of the 1st International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF)

Innovations in Computational Intelligence and Computer Vision

The concept of concurrent engineering (CE) was first developed in the 1980s. Now often referred to as transdisciplinary engineering, it is based on the idea that different phases of a product life cycle should be conducted concurrently and initiated as early as possible within the Product Creation Process (PCP). The main goal of CE is to increase the efficiency and effectiveness of the PCP and reduce errors in later phases, as well as incorporating considerations – including environmental implications – for the full lifecycle of the product. It has become a substantive methodology in many industries, and has also been adopted in the development of new services and service support. This book presents the proceedings of the 25th ISPE Inc. International Conference on Transdisciplinary Engineering, held in Modena, Italy, in July 2018. This international conference attracts researchers, industry experts, students, and government representatives interested in recent transdisciplinary engineering research, advancements and applications. The book contains 120 peer-reviewed papers, selected from 259 submissions from all continents of the world, ranging from the theoretical and conceptual to papers addressing industrial best practice, and is divided into 11 sections reflecting the themes addressed in the conference program and addressing topics as diverse as industry 4.0 and smart manufacturing; human-centered design; modeling, simulation and virtual design; and knowledge and data management among others. With an overview of the latest research results, product creation processes and related methodologies, this book will be of interest to researchers, design practitioners and educators alike.

International Conference on Innovative Computing and Communications

This volume presents the proceedings of ICIBEL 2017, organized by the Centre for Innovation in Medical Engineering (CIME) under Innovative Technology Research Cluster, University of Malaya. It was held in George Town, Penang, Malaysia, from 10-13 December 2017. The ICIBEL 2017 conference promotes the latest research and developments related to the integration of the Engineering technology in medical fields and life sciences. This includes the latest innovations, research trends and concerns, challenges and adopted solution in the field of medical engineering and life sciences.

EAI International Conference on Technology, Innovation, Entrepreneurship and Education

The 2nd International Conference on Sustainable Innovation emphasizes on natural resources technology and management to support the sustainability of mankind. The main theme of ICoSI 2014 "Technology and innovation challenges in natural resources and built environment management for humanity and sustainability " reflects the needs of immediate action from scientists with different fields and different geographical background to face the global issue on world's change.

ICIE 2015 3rd International Conference on Innovation and Entrepreneurship

This book presents selected articles from the 5th International Conference on Geotechnics, Civil Engineering Works and Structures, held in Ha Noi, focusing on the theme "Innovation for Sustainable Infrastructure", aiming to not only raise awareness of the vital importance of sustainability in infrastructure development but to also highlight the essential roles of innovation and technology in planning and building sustainable infrastructure. It provides an international platform for researchers, practitioners, policymakers and entrepreneurs to present their recent advances and to exchange knowledge and experience on various topics related to the theme of "Innovation for Sustainable Infrastructure".

6th International Conference on Innovation and Entrepreneurship

The Conference Theme was: "Moving Africa forward through Engineering, Technology and Innovation". The conference brought together academics, researchers and industrialists from many disciplines, in particular those that have the most impact on Africa's Development. Most conferences on the continent have covered limited disciplines and therefore the opportunity has been lost sharing information, results and knowledge in a way which can solve the many contentious issues, most of which can be solved through a multidisciplinary approach.

Proceedings of the 2nd International Conference on Innovation and Entrepreneurship

The edited volume contains original papers contributed to 1st International Conference on Smart System, Innovations and Computing (SSIC 2017) by researchers from different countries. The contributions focuses on two main areas, i.e. Smart Systems Innovations which includes applications for smart cities, smart grid, social computing and privacy challenges with their theory, specification, design, performance, and system building. And second Computing of Complex Solutions which includes algorithms, security solutions, communication and networking approaches. The volume provides a snapshot of current progress in related areas and a glimpse of future possibilities. This volume is useful for researchers, Ph.D. students, and professionals working in the core areas of smart systems, innovations and computing.

ICoSI 2014

This proceeding features papers discussing big data innovation for sustainable cognitive computing. The papers feature detail on cognitive computing and its self-learning systems that use data mining, pattern recognition and natural language processing (NLP) to mirror the way the human brain works. This international conference focuses on cognitive computing technologies, from knowledge representation techniques and natural language processing algorithms to dynamic learning approaches. Topics covered include Data Science for Cognitive Analysis, Real-Time Ubiquitous Data Science, Platform for Privacy Preserving Data Science, and Internet-Based Cognitive Platform. The EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing (BDCC 2018), took place on 13 - 15 December 2018 in Coimbatore, India.

Proceedings of First International Conference on Smart System, Innovations and Computing

This book gathers high-quality research papers presented at the Second International Conference on Innovative Computing and Communication (ICICC 2019), which was held at the VSB - Technical University of Ostrava, Czech Republic, on 21-22 March 2019. Highlighting innovative papers by scientists, scholars, students, and industry experts in the fields of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research, and the translation of applied research into real-world applications.

ICIE 2017 - Proceedings of the 5th International Conference on Innovation and Entrepreneurship

These proceedings represent the work of researchers participating in the 3rd International Conference on Innovation and Entrepreneurship - ICIE 2015, which is being co-hosted by The University of KwaZulu Natal, Durban and the Ethekwini Municipality, Durban, South Africa on the 19-20 March 2015. The ICIE Conference constitutes a valuable platform for individuals to present their research findings, display their work in progress and discuss conceptual advances in many different branches of innovation and entrepreneurship in business and management. At the same time, it provides an important opportunity for researchers and managers to

come together with peers, share knowledge and exchange ideas. ICIE builds on the now well established European Conference on Innovation and Entrepreneurship, and allows universities outside the European Boundaries the opportunity to host an academic conference on these important topics. In addition to the presentations of research the conference will feature a knowledge cafe, led by Dr Shawren Singh looking at this topic How can academics focus research efforts to better serve the business and public sector communities?. The second day will open with a panel discussion looking at Smart cities: Opportunities for Entrepreneurship and Economic growth. Following an initial submission of 85 abstracts that have undergone a double blind peer review process, 26 research papers, 3 PhD research papers, 2 work-in-progress papers are published in these Conference Proceedings, representing research results from the Czech Republic, Denmark, Italy, Kazakhstan, Kenya, Lithuania, Nigeria, Poland, Saudi Arabia, South Africa, Sweden, The Netherlands, UK, USA and Zambia.

2017 Zooming Innovation in Consumer Electronics International Conference (ZINC)

This volume aims to outline the fundamental principles behind leadership, innovation and entrepreneurship and show how the interrelations between them promote business and trade practices in the global economy. Derived from the 2016 International Conference on Leadership, Innovation, and Entrepreneurship (ICLIE), this volume showcases original papers presenting current research, discoveries and innovations across disciplines such as business, social sciences, engineering, health sciences and medicine. The pace of globalization is increasing at a rapid rate and is primarily driven by increasing volume of trade, accelerating pace of competition among nations, freer flows of capital and increased level of cooperation among trading partners. Leadership, innovation, and entrepreneurship are key driving forces in enhancing this phenomenon and are among the major catalysts for contemporary businesses trading in the global economy. This conference and the enclosed papers provides a platform in which to disseminate and exchange ideas to promote a better understanding of current issues and solutions to challenges in the globalized economy in relation to the fields of entrepreneurship, business and economics, technology management, and Islamic finance and management. Thus, the theories, research, innovations, methods and practices presented in this book will be of use to researchers, practitioners, student and policy makers across the globe.

Proceedings of International Conference in Mechanical and Energy Technology

This book constitutes the refereed post-conference proceedings of two conferences: The 7th EAI International Conference on ArtsIT, Interactivity and Game Creation (ArtsIT 2018), and the 3rd EAI International Conference on Design, Learning, and Innovation (DLI 2018). Both conferences were hosed in Braga, Portugal, and took place October 24-26, 2018. The 51 revised full papers presented were carefully selected from 106 submissions. ArtsIT , Interactivity and Game Creation is meant to be a place where people in arts, with a keen interest in modern IT technologies, meet with people in IT, having strong ties to art in their

works. The event also reflects the advances seen in the open related topics Interactivity (Interaction Design, Virtual Reality, Augmented Reality, Robotics) and Game Creation (Gamification, Leisure Gaming, GamePlay). ArtsIT has been successfully co-located with DLI as the design, learning and innovation frame the world of IT, opening doors into an increasingly playful worlds. So the DLI conference is driven by the belief that tools, techniques and environments can spark and nature a passion for learning, transformation domains such as education, rehabilitation/therapy, work places and cultural institutions.

2nd International Conference for Innovation in Biomedical Engineering and Life Sciences

This book presents the proceedings of the 2nd EAI International Conference on Technology, Innovation, Entrepreneurship and Education (TIE' 2018), which took place at Ravensbourne University London, London, UK, on September 4, 2018. The central theme of the conference is emerging technologies in relation to business, education, social and political needs that make modern society flourish. The proceedings feature papers from a cross-disciplinary audience that explore the process of creativity and innovation. The goal is that the various disciplines can learn from each other and see how they might benefit from the cross-fertilization of practices.

ICIE2013- International Conference on Innovation and Entrepreneurship

Edited by: Dr. Radwan A. Kharabsheh, The Hashemite University, Amman, Jordan. PRINT version of the proceedings of the International Conference on Innovation and Entrepreneurship ICIE 2013 hosted by The Hashemite University in cooperation with The Arab Administrative Development Organization, Amman, Jordan on the 4-5 March 2013. This is a single volume with 199 pages.

E-Technologies: Innovation in an Open World

This book gathers the latest advances, innovations, and applications in the field of building design and construction, by focusing on new design solutions for buildings and new technologies creation for construction, as presented by researchers and engineers at the 2nd International Conference Building Innovations (ICBI), held in Poltava - Baku, Ukraine - Azerbaijan, on May 23-24, 2019. It covers highly diverse topics, including structures operation, repairing and thermal modernization in existing buildings and urban planning features, machines and mechanisms for construction, as well as efficient economy and energy conservation issues in construction. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations.

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