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Design Thinking

Proceedings of Fourth International Conference on Soft Computing for Problem Solving

Industry Applications Society ... IEEE/IAS International Conference on Industrial Automation and Control (IA&C ...).

Digitalization of Higher Education using Cloud Computing

SYSTEM IDENTIFICATION USING ADAPTIVE CONTROL SYSTEMS

Actuators and Their Applications

Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing

Cybernetics, Cognition and Machine Learning Applications

Emerging Trends in Electrical, Communications, and Information Technologies

Proceedings of Symposium on Power Electronic and Renewable Energy Systems Control

Ubiquitous Intelligent Systems

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Power System Operation and Control

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The Adoption and Effect of Artificial Intelligence on Human Resources Management

Methodologies and Outcomes of Engineering and Technological Pedagogy

Advances in Systems, Control and Automation

Advances in Power Systems and Energy Management

Inventive Computation Technologies

Proceeding of International Conference on Intelligent Communication, Control and Devices

Proceedings of Third International Conference on Communication, Computing and Electronics Systems

International Conference on Artificial Intelligence for Smart Community

Proceedings of International Conference on Computational Intelligence and Data Engineering

Intelligent Communication Technologies and Virtual Mobile Networks

Data Structures and Algorithms Using C+

Building of Sophisticated and Elongated Novel Protocols for WSN by Employing Fuzzy Systems

Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough

Proceedings of International Conference on Power Electronics and Renewable Energy

Systems

Management Practices - Opportunities and Challenges

Artificial Intelligence and Evolutionary Computations in Engineering Systems

Data Structures and Algorithms Using C++:

Engineering Physics (For 1st Year of JNTU, Anantapur)

Advances in Systems, Control and Automations

ICDSMLA 2019

Advances in Power Systems and Energy Management

Advances in Sensors: Reviews, Vol. 3

Inventive Systems and Control

Emerging Trends in Electrical, Communications and Information Technologies

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13CAC 2021 Springer Nature

This book includes the original, peer-reviewed research from the 2nd

International Conference on Emerging

Trends in Electrical, Communication and Information Technologies (ICECIT 2015), held in December, 2015 at Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh, India. It covers the latest research trends or developments in areas of Electrical Engineering, Electronic and

Communication Engineering, and Computer Science and Information.

Design Thinking Lulu.com

As demand has increased for new types of equipment that are more suited to the ever-evolving world of industry, demand for both new and traditional types of actuators has soared. From automotive and aeronautical to biomedical and robotics, engineers are constantly developing actuating devices that are adapted to their particular needs in their particular field, and actuators are used in almost every field of engineering that there is. This volume not only lays out the fundamentals of actuators, such as how they operate, the different kinds, and their various applications, but it also informs the engineer or student about the new actuators that are being

developed and the state-of-the-art of actuators. Edited and written by highly experienced and well-respected engineers with a deep understanding of their subject, there is no other volume on actuators that is more current or comprehensive. Whether as a guide for the latest innovations in actuators, a refresher reference work for the veteran engineer, or an introductory text for the engineering student, this is a must-have for any engineer's or university's library. Covering the theory and the practical applications, this breakthrough volume is a "one stop shop" for any engineer or student interested in actuators.

Proceedings of Fourth International Conference on Soft Computing for Problem Solving Springer Nature

This book comprises select proceedings

of the international conference ETAEERE 2020. This volume covers latest research in advanced approaches in automation, control based devices, and adaptive learning mechanisms. The contents discuss the complex operations and behaviors of different systems or machines in different environments. Some of the areas covered include control of linear and nonlinear systems, intelligent systems, stochastic control, knowledge-based systems applications, fault diagnosis and tolerant control, and real-time control applications. The contents of this volume can be useful for researchers as well as professionals working in control and automation. *Industry Applications Society ... IEEE/IAS International Conference on Industrial Automation and Control (IA&C ...).*

Springer Nature

This book gathers selected high-impact articles from the 1st International Conference on Data Science, Machine Learning & Applications 2019. It highlights the latest developments in the areas of Artificial Intelligence, Machine Learning, Soft Computing, Human-Computer Interaction and various data science & machine learning applications. It brings together scientists and researchers from different universities and industries around the world to showcase a broad range of perspectives, practices and technical expertise.

Digitalization of Higher Education using Cloud Computing S. Chand Publishing Power System Operation and Control is a comprehensive text designed for

undergraduate and postgraduate courses in electrical engineering. This book aims to meet the requirements of electrical engineering students of universities all over India. This text is written in a simple and easy-to-understand manner and is valuable both as a textbook as well as a reference book for engineering students and practicing engineers.

SYSTEM IDENTIFICATION USING ADAPTIVE CONTROL SYSTEMS Springer Nature

Data Structures and Algorithms Using C++ helps students master data structures, their algorithms and the analysis of complexities of these algorithms. Each chapter includes an Abstract Data Type (ADT) and applications along with a detailed

explanat

Actuators and Their Applications John Wiley & Sons

Articles in ITJEMAST @ 13(9)

2022 International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies

Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing Springer

This book comprises the select proceedings of the ETAEERE 2016 conference. The book aims to shed light on different systems or machines along with their complex operation, behaviors, and linear-nonlinear relationship in different environments. It covers problems of multivariable control systems and provides the necessary background for performing research in

the field of control and automation. Aimed at helping readers understand the classical and modern design of different intelligent automated systems, the book presents coverage on the control of linear and nonlinear systems, intelligent systems, stochastic control, knowledge-based systems applications, fault diagnosis and tolerant control, real-time control applications, etc. The contents of this volume will prove useful to researchers and professionals alike. *Cybernetics, Cognition and Machine Learning Applications* Springer Nature This book features a collection of high-quality, peer-reviewed papers presented at International Conference on Ubiquitous Intelligent Systems (ICUIS 2021) organized by Shree Venkateshwara Hi-Tech Engineering

College, Tamil Nadu, India, during April 16–17, 2021. The book covers topics such as cloud computing, mobile computing and networks, embedded computing frameworks, modeling and analysis of ubiquitous information systems, communication networking models, big data models and applications, ubiquitous information processing systems, next-generation ubiquitous networks and protocols, advanced intelligent systems, Internet of things, wireless communication and storage networks, intelligent information retrieval techniques, AI-based intelligent information visualization techniques, cognitive informatics, smart automation systems, healthcare informatics and bioinformatics models, security and privacy of intelligent information

systems, and smart distributed information systems.

Emerging Trends in Electrical, Communications, and Information Technologies CRC Press

This book features selected papers from the International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2021), organized by SRM Institute of Science and Technology, Chennai, India, during April 2021. It covers recent advances in the field of soft computing applications in power systems, power system modeling and control, power system stability, power quality issues and solutions, smart grid, green and renewable energy technology optimization techniques in electrical systems, power electronics controllers for power systems, power converters

and modeling, high voltage engineering, networking grid and cloud computing, computer architecture and embedded systems, fuzzy logic control, fuzzy decision support systems, and control systems. The book presents innovative work by leading academics, researchers, and experts from industry.

Proceedings of Symposium on Power Electronic and Renewable Energy Systems Control Springer
Sensors, Transducers, Signal Conditioning and Wireless (Book Series 'Advances in Sensors: Reviews', Vol. 3) is a premier sensor review source and contains 19 chapters with sensor related state-of-the-art reviews and descriptions of latest achievements written by 55 authors from academia and industry from 19 countries: Botswana, Canada,

China, Finland, France, Germany, India, Jordan, Mexico, Portugal, Romania, Russia, Senegal, Serbia, South Africa, South Korea, UK, Ukraine and USA. Coverage includes current developments in physical sensors and transducers, chemical sensors, biosensors, sensing materials, signal conditioning energy harvesters and wireless sensor networks. This book ensures that readers will stay at the cutting edge of the field and get the right and effective start point and road map for the further researches and developments.

Ubiquitous Intelligent Systems Springer
Published articles from the International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies ITJEMAST V13(4)2022
Articles in ITJEMAST @ 13(9) 2022

Springer Nature

This book comprises select proceedings of the international conference ETAEERE 2020, and focuses on contemporary issues in energy management and energy efficiency in the context of power systems. The contents cover modeling, simulation and optimization based studies on topics like medium voltage BTB system, cost optimization of a ring frame unit in textile industry, rectenna for RF energy harvesting, ecology and energy dimension in infrastructural designs, study of AGC in two area hydro thermal power system, energy-efficient and reliable depth-based routing protocol for underwater wireless sensor network, and power line communication. This book can be beneficial for students, researchers as well as industry

professionals.

Power System Operation and Control Springer

This book includes high-quality research papers presented at Symposium on Power Electronic and Renewable Energy Systems Control (PERESC 2020), which is held at the School of Electrical Sciences, IIT Bhubaneswar, Odisha, India, during 4-5 December 2020. The book covers original work in power electronics which has greatly enabled integration of renewable and distributed energy systems, control of electric machine drives, high voltage system control and operation. The book is highly useful for academicians, engineers, researchers and students to be familiar with the latest state of the art in power electronics technology and its

applications.

Power System Operation and Control
Springer Nature

This book is a collection of high-quality research work on cutting-edge technologies and the most-happening areas of computational intelligence and data engineering. It includes selected papers from the International Conference on Computational Intelligence and Data Engineering (ICCIDE 2022). It covers various topics, including collective intelligence, intelligent transportation systems, fuzzy systems, Bayesian network, ant colony optimization, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence and speech processing.

The Adoption and Effect of Artificial Intelligence on Human Resources Management Springer Nature

The Proceedings of SocProS 2014 serves as an academic bonanza for scientists and researchers working in the field of Soft Computing. This book contains theoretical as well as practical aspects using fuzzy logic, neural networks, evolutionary algorithms, swarm intelligence algorithms, etc., with many applications under the umbrella of 'Soft Computing'. The book is beneficial for young as well as experienced researchers dealing across complex and intricate real world problems for which finding a solution by traditional methods is a difficult task. The different application areas covered in the Proceedings are: Image Processing,

Cryptanalysis, Industrial Optimization, Supply Chain Management, Newly Proposed Nature Inspired Algorithms, Signal Processing, Problems related to Medical and Healthcare, Networking Optimization Problems, etc.

Methodologies and Outcomes of Engineering and Technological Pedagogy Emerald Group Publishing

Digitalization of Higher Education using Cloud Computing: Implications, Risk, and Challenges provides an insight into the latest technology and tools being used to explore learning in Higher Educational Institutions (HEIs). Cloud computing, being an up-and-coming technology, integrates with academia and industry, thereby enhancing the quality of education. The opportunities and challenges faced by HEIs in recent times

due to technological disruptions have forced both academia and industry to realign their strategies for survival and growth. With the acceleration of cloud computing in higher education, it has now become imperative for educators to constantly upskill and reskill in order to meet the requirements of the future of work, particularly in the digital age. Technological advancement is an unstoppable wave and the lack of relevant skills to handle the disruptions in higher education will become a huge challenge if not addressed promptly. This is the new phase of Education 4.0 where HEIs are aligning themselves using cloud computing implications, and thus are preparing both faculties and students to embrace the changes happening in the teaching and learning

processes. This book focuses on multi-faceted strategies to be adopted by HEIs to deal with the emerging issues related to teaching-learning processes using cloud computing, technological interventions, curriculum overhaul, experiential learning, multi-disciplinary approaches, and continuous innovations and digitalization. The book offers comprehensive coverage of many academic areas, with the most essential topics including:

- Pedagogies in digital education using a cloud environment
- Risks and challenges in cloud platforms for teaching and learning
- Collaborative and group learning in a cloud environment
- Enhancing quality of education using e-learning methodologies

The sections in this book are "Cloud Enabled Digitalization of

Higher Education" and "Innovations and Applications of Digitalization of Higher Education: A Cloud Perspective". The book will be useful for undergraduates, graduates, academicians, scholars, and policy makers. It will help readers acquire skills for a smooth transition from face-to-face teaching to cloud-based teaching.

Advances in Systems, Control and Automation Shashwat Publication

This book provides a systematic and comprehensive overview of machine learning with cognitive science methods and technologies which have played an important role at the core of practical solutions for a wide scope of tasks between handheld apps, industrial process control, autonomous vehicles, environmental policies, life sciences,

playing computer games, computational theory, and engineering development. The chapters in this book focus on readers interested in machine learning, cognitive and neuro-inspired computational systems – theories, mechanisms, and architecture, which underline human and animal behaviour, and their application to conscious and intelligent systems. In the current version, it focuses on the successful implementation and step-by-step explanation of practical applications of the domain. It also offers a wide range of inspiring and interesting cutting-edge contributions to applications of machine learning and cognitive science such as healthcare products, medical electronics, and gaming. Overall, this book provides valuable information on effective,

cutting-edge techniques and approaches for students, researchers, practitioners, and academicians working in the field of AI, neural network, machine learning, and cognitive science. Furthermore, the purpose of this book is to address the interests of a broad spectrum of practitioners, students, and researchers, who are interested in applying machine learning and cognitive science methods in their respective domains.

Advances in Power Systems and Energy Management Springer

I3CAC provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss not only the most recent innovations, trends, and concerns but also practical challenges encountered and solutions adopted in

the fields of computing, communication and control systems. Participation of three renowned speakers and oral presentations of the 128 authors were presented in our conference. We strongly believe that the I3CAC 2021 conference provides a good forum for all researchers, developers and practitioners to discuss.

Inventive Computation Technologies
Springer Nature

The book is a collection of high-quality peer-reviewed research papers presented in the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES 2017). The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques.

Researchers from academia and industry have presented their original work and ideas, information, techniques and applications in the field of communication, computing and power technologies.

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