

Advanced Computing Lecture Notes In Computational Science

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Artificial Intelligence Techniques for Advanced Computing Applications Springer Nature
The book includes peer-reviewed papers of the International Conference on Sustainable Technology and Advanced Computing in Electrical Engineering (ICSTACE 2021). The main focus of the book is electrical engineering. The conference aims to provide a global platform to the researchers for sharing and showcasing their discoveries/findings/innovations. The book focuses on the areas related to sustainable development and includes research works from academicians and industry experts. The book discusses new challenges and provides solutions at the interface of technology, information, complex systems, and future research directions.

Advanced Computing Springer Nature

This book features selected papers presented at the 2nd International Conference on Advanced Computing Technologies and Applications, held at SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai, India, from 28 to 29 February 2020. Covering recent advances in next-generation computing, the book focuses on recent developments in intelligent computing, such as linguistic computing, statistical computing, data computing and ambient applications.

Rough Sets Springer Nature

The book includes peer-reviewed papers of the International Conference on Sustainable Technology and Advanced Computing in Electrical Engineering (ICSTACE 2021). The main focus of the book is electrical engineering. The conference aims to provide a global platform to the researchers for sharing and showcasing their discoveries/findings/innovations. The book focuses on the areas related to sustainable development and includes research works from academicians and industry experts. The book discusses new challenges and provides solutions at the interface of technology, information, complex systems, and future research directions.

Sustainable Technology and Advanced Computing in Electrical Engineering Springer Nature

Intelligent computing refers greatly to artificial intelligence with the aim at making computer to act as a human. This newly developed area of real-time intelligent computing integrates the aspect of dynamic environments with the human intelligence. This book presents a comprehensive practical and easy to read account which describes current state-of-the art in designing and implementing real-time intelligent computing to robotics, alert systems, IoT, remote access control, multi-agent systems, networking, mobile smart systems, crowd sourcing, broadband systems, cloud computing, streaming data and many other applications areas. The solutions discussed in this book will encourage the researchers and IT professional to put the methods into their practice.

Algorithms for Sensor and Ad Hoc Networks Springer Nature

The book features original papers from International Conference on Computational Methods and Data Engineering (ICCMDE 2021), organized by School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu, India, during November 25 – 26, 2021. The book covers innovative and cutting-edge work of researchers, developers, and practitioners from academia and industry working in the area of advanced computing.

Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication Springer Science & Business Media

This book features a collection of high-quality research papers presented at the International Conference on Advanced Computing Technology (ICACT 2020), held at the SRM Institute of Science and Technology, Chennai, India, on 23–24 January 2020. It covers the areas of computational intelligence, artificial intelligence, machine learning, deep learning, big data, and applications of artificial intelligence in networking, IoT and bioinformatics

Proceedings of International Conference on Advanced Computing Applications Springer Nature

This book features extended versions of selected papers that were presented and discussed at the 8th International Doctoral Symposium on Applied Computation and Security Systems (ACSS 2021), held in Kolkata, India, on April 9–10, 2021. Organized by the Departments of Computer Science & Engineering and A. K. Choudhury School of Information Technology at the University of Calcutta, the symposium's international partners were Ca' Foscari University of Venice, Italy, and Bialystok University of Technology, Poland. The topics covered include biometrics, image processing, pattern recognition, algorithms, cloud computing, wireless sensor networks, and security systems, reflecting the various symposium sessions.

Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics Springer

This reference book documents the scientific outcome of the DIMACS/SYCON Workshop on Verification and Control of Hybrid Systems, held at Rutgers University in New Brunswick, NJ, in October 1995. A hybrid system consists of digital devices that interact with analog environments. Computer science contributes expertise on the analog aspects of this emerging field of interdisciplinary research and design. The 48 revised full papers included were strictly refereed; they present the state of the art in this dynamic field with contributions by leading experts. Also available are the predecessor volumes published in the same series as LNCS 999 and LNCS 736.

Gödel '96 Springer Nature

A smart city utilizes ICT technologies to improve the working effectiveness, share various data with the citizens, and enhance political assistance and societal wellbeing. The fundamental needs of a smart and sustainable city are utilizing smart technology for enhancing municipal activities, expanding monetary development, and improving citizens' standards of living. The Handbook of Research on Data-Driven Mathematical Modeling in Smart Cities

discusses new mathematical models in smart and sustainable cities using big data, visualization tools in mathematical modeling, machine learning-based mathematical modeling, and more. It further delves into privacy and ethics in data analysis. Covering topics such as deep learning, optimization-based data science, and smart city automation, this premier reference source is an excellent resource for mathematicians, statisticians, computer scientists, civil engineers, government officials, students and educators of higher education, librarians, researchers, and academicians.

Advanced Computing and Intelligent Technologies Springer

This volume contains selected papers presented at the 10th International Conference on Advanced Computing and Communication Technologies (10th ICACCT 2016), technically sponsored by Institution of Electronics and Telecommunication Engineers (India), held during 18 – 20 November 2016 at Asia Pacific Institute of Information Technology, Panipat, India. The volume reports latest research on a wide range of topics spanning theory, system, applications and case studies in the fields of computing and communication technologies. Topics covered are robotics, computational intelligence encompassing fuzzy logic, neural networks, GA and evolutionary computing, applications, knowledge representation, data encryption, distributed computing, data analytics and visualization, knowledge representation, wireless sensor networks, MEM sensor design, analog circuit, statistical machine translation, cellular automata and antenna design. The volume has 31 chapters, including an invited paper on swarm robotics, grouped into three parts, viz., Advanced Computing, Communication Technologies, and Micro Electronics and Antenna Design. The volume is directed to researchers and practitioners aspiring to solve practical issues, particularly applications of the theories of computational intelligence, using recent advances in computing and communication technologies.

Progress in Advanced Computing and Intelligent Engineering Springer

This book gathers selected high-quality research papers presented at International Conference on Advanced Computing and Intelligent Technologies (ICACIT 2021) held at NCR New Delhi, India, during March 20–21, 2021, jointly organized by Galgotias University, India, and Department of Information Engineering and Mathematics Università Di Siena, Italy. It discusses emerging topics pertaining to advanced computing, intelligent technologies, and networks including AI and machine learning, data mining, big data analytics, high-performance computing network performance analysis, Internet of things networks, wireless sensor networks, and others. The book offers a valuable asset for researchers from both academia and industries involved in advanced studies.

Lecture Notes in Real-Time Intelligent Systems A K PETERS

This double volume set (LNAI 10863-10864) constitutes the refereed proceedings of the 25th International Workshop, EG-ICE 2018, held in Lausanne, Switzerland, in June 2018. The 58 papers presented in this volume were carefully reviewed and selected from 108 submissions. The papers are organized in topical sections on Advanced Computing in Engineering, Computer Supported Construction Management, Life-Cycle Design Support, Monitoring and Control Algorithms in Engineering, and BIM and Engineering Ontologies.

Handbook of Research on Novel Soft Computing Intelligent Algorithms Springer

This book features extended versions of selected papers that were presented and discussed at the 8th International Doctoral Symposium on Applied Computation and Security Systems (ACSS 2021), held in Kolkata, India, on April 9–10, 2021. Organized by the Departments of Computer Science & Engineering and A. K. Choudhury School of Information Technology at the University of Calcutta, the symposium's international partners were Ca' Foscari University of Venice, Italy, and Bialystok University of Technology, Poland. The topics covered include biometrics, image processing, pattern recognition, algorithms, cloud computing, wireless sensor networks, and security systems, reflecting the various symposium sessions.

Progress in Advanced Computing and Intelligent Engineering Springer Science & Business Media

This book is the proceedings volume of the 10th International Conference on Field Programmable Logic and its Applications (FPL), held August 27–30, 2000 in Villach, Austria, which covered areas like reconfigurable logic (RL), reconfigurable computing (RC), and its applications, and all other aspects. Its subtitle "The Roadmap to Reconfigurable Computing" reminds us, that we are currently witnessing the runaway of a breakthrough. The annual FPL series is the eldest international conference in the world covering configware and all its aspects. It was founded 1991 at Oxford University (UK) and is 2 years older than its two most important competitors usually taking place at Monterey and Napa. FPL has been held at Oxford, Vienna, Prague, Darmstadt, London, Tallinn, and Glasgow (also see: <http://www.fpl.uni.kl.de/FPL/>). The New Case for Reconfigurable Platforms: Converging Media. Indicated by palmtops, smart mobile phones, many other portables, and consumer electronics, media such as voice, sound, video, TV, wireless, cable, telephone, and Internet continue to converge. This creates new opportunities and even necessities for reconfigurable platform usage. The new converged media require high volume, flexible, multi purpose, multi standard, low power products adaptable to support evolving standards, emerging new standards, field upgrades, bug fixes, and, to meet the needs of a growing number of different kinds of services offered to zillions of individual subscribers preferring different media mixes.

Proceedings of Third International Conference on Computing, Communications, and Cyber-Security Springer

"This book explores emerging technologies and best practices designed to effectively address concerns inherent in properly optimizing advanced systems, demonstrating applications in areas such as bio-engineering, space exploration, industrial informatics, information security, and nuclear and renewable energies"--Provided by publisher.

Hybrid Systems III Springer Nature

As more and more hardware platforms support parallelism, parallel programming is gaining momentum. Applications can only leverage the performance of multi-core processors or graphics processing units if they are able to split a problem into smaller ones that can be solved in parallel. The

challenges emerging from the development of parallel applications have led to the development of a great number of tools for debugging, performance analysis and other tasks. The proceedings of the 3rd International Workshop on Parallel Tools for High Performance Computing provide a technical overview in order to help engineers, developers and computer scientists decide which tools are best suited to enhancing their current development processes.

Sustainable Technology and Advanced Computing in Electrical Engineering
Springer

This volume presents select proceedings of the International Conference on Sustainable Advanced Computing (ICSAC – 2021). It covers the latest research on a wide range of topics spanning theory, systems, applications, and case studies in advanced computing. Topics covered are machine intelligence, expert systems, robotics, natural language processing, cognitive science, quantum computing, deep learning, pattern recognition, human-computer interface, biometrics, graph theory, etc. The volume focuses on the novel research findings and innovations of various researchers. In addition, the book will be a promising solution for new generation-based sustainable, intelligent systems that are machine and human-centered with modern models and appropriate amalgamations of collaborative practices with a general objective of better research in all aspects of sustainable advanced computing.

Advanced Computing and Communication Technologies Springer Nature

This book gathers selected papers presented at International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC 2021), held in Krishna Engineering College, Ghaziabad, India, during 10 – 11 December, 2021. This book discusses key concepts, challenges and potential solutions in connection with established and emerging topics in advanced computing, renewable energy and network communications.

Field-Programmable Logic and Applications: The Roadmap to Reconfigurable Computing IGI Global

This book gathers high-quality research papers presented at the 6th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2021) organized by Bhubaneswar Institute of Technology, Bhubaneswar, Odisha, India, during December 23 – 24, 2021. It includes sections describing technical advances and the latest research in the fields of computing and intelligent engineering. Intended for graduate students and researchers working in the disciplines of computer science and engineering, the proceedings also appeal to researchers in the field of electronics, as they cover hardware technologies and future communication technologies.

Advanced Computing Strategies for Engineering Springer

With success of ICEEE 2010 in Wuhan, China, and December 4 to 5, 2010, the second International Conference of Electrical and Electronics Engineering (ICEEE 2011) will be held in Macau, China, and December 1 to 2, 2011. ICEEE is an annual conference to call together researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Electrical and Electronics Engineering along with Computer Science and Technology, Communication Technology, Artificial Intelligence, Information Technology, etc. This year ICEEE is sponsored by International Industrial Electronics Center, Hong Kong. And based on the deserved reputation, more than 750 papers have been submitted to ICEEE 2011, from which about 94 high quality original papers have been selected for the conference presentation and inclusion in the “ Advanced Computer, Communication, and Control ” book based on the referees ’ comments from peer-refereed. All the papers will be published by Lecture Notes in Electrical Engineering (ISSN: 1876-1100), and will be included in Springer Link. We expect that the Advanced Computer, Communication, and Control book will be a trigger for further related research and technology improvements in the importance subject including Signal Processing, Retrieval and Multimedia, Artificial Intelligence, Computing and Intelligent Systems, Machine Learning, Biometric and Biomedical Applications, Neural Networks, Knowledge Discovery and Data Mining, Knowledge-based Systems, Control Systems, Modeling and Simulation Techniques, Wireless Communications, Advances in Wireless Video, etc.