

Image Processing: Concepts, Methodologies, Tools, and Applications-Management Association, Information Resources 2013-05-31 Advancements in digital technology continue to expand the image science field through the tools and techniques utilized to process two-dimensional images and videos. Image Processing: Concepts, Methodologies, Tools, and Applications presents a collection of research on this multidisciplinary field and the operation of multi-dimensional signals with systems that range from simple digital circuits to computers. This reference source is essential for researchers, academics, and students in the computer science, computer vision, and electrical engineering fields.

Machine Learning Algorithms for Industrial Applications-Santosh Kumar Das 2020-07-18 This book explores several problems and their solutions regarding data analysis and prediction for industrial applications. Machine learning is a prominent topic in modern industries: its influence can be felt in many aspects of everyday life, as the world rapidly embraces big data and data analytics. Accordingly, there is a pressing need for novel and innovative algorithms to help us find effective solutions in industrial application areas such as media, healthcare, travel, finance, and retail. In all of these areas, data is the crucial parameter, and the main key to unlocking the value of industry. The book presents a range of intelligent algorithms that can be used to filter useful information in the above-mentioned application areas and efficiently solve particular problems. Its main objective is to raise awareness for this important field among students, researchers, and industrial practitioners.

Emerging Trends in Electrical, Communications and Information Technologies-Kapila Rohan Attele 2016-11-12 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.

Emerging Trends in ICT Security-Babak Akhgar 2013-11-06 Emerging Trends in ICT Security, an edited volume, discusses the foundations and theoretical aspects of ICT security; covers trends, analytics, assessments and frameworks necessary for performance analysis and evaluation; and gives you the state-of-the-art knowledge needed for successful deployment of security solutions in many environments. Application scenarios provide you with an insider's look at security solutions deployed in real-life scenarios, including but limited to smart devices, biometrics, social media, big data security, and crowd sourcing. Provides a multidisciplinary approach to security with coverage of communication systems, information mining, policy making, and management infrastructures Discusses deployment of numerous security solutions, including, cyber defense techniques and defense against malicious code and mobile attacks Addresses application of security solutions in real-life scenarios in several environments, such as social media, big data and crowd sourcing

Proceedings Of The 2Nd National Conference On Emerging Trends In Information Technology (Eit-2007)-Amol C. Goje 2007-01-01 Information Technology skill standards provide a common language for industry and education. It provides increased portability depending on attitude and performance of the professionals. The industry recognizes IT education programs that build competency among the students to perform the best in the new emerging trends in Information Technology, like Human Computer Interactions, Biometrics, Bioinformatics, Signal Processing. So this conference is organized to bring together leading academicians, industry experts and researchers in the area of emerging trends in Information Technology and facilitate personal interaction and discussions on various aspects of Information Technology. It also aims to provide a platform for the post-graduate students and research students to express their views about the emerging trends in Information Technology with interaction and exchange of ideas among the researchers and students from allover India. With this focus Technical/research papers are invited from the students of MCA/ M.Sc (CS) / M.Sc.(IT/

MCM and research students on the following topics. * Biometrics * Data Communication and Security * Digital Image and Image Processing * Human Computer Interaction * Internet Technologies and Service Oriented Architecture * Artificial Intelligence and Its Applications

Emerging Trends and Applications in Information Communication Technologies-Bhawani Shankar Chowdhry 2012-04-15 This book constitutes the refereed proceedings of the Second International Multi-topic Conference, IMTIC 2012, held in Jamshoro, Pakistan, in March 2012. The 51 revised full papers presented were carefully reviewed and selected from 205 submissions. The papers address topics from information communication technologies.

Food Process Engineering-Murlidhar Meghwal 2016-12-08 Food Process Engineering: Emerging Trends in Research and Their Applications provides a global perspective of present-age frontiers in food process engineering research, innovation, and emerging trends. It provides an abundance of new information on a variety of issues and problems in food processing technology. Divided into five parts, the book presents new research on new trends and technologies in food processing, ultrasonic treatment of foods, foods for specific needs, food preservation, and food hazards and their controls.

Emerging Trends in Computing and Communication-Sabnam Sengupta 2014-02-24 The book presents papers delivered by researchers, industrial experts and academicians at the Conference on Emerging Trends in Computing and Communication (ETCC 2014). As such, the book is a collection of recent and innovative works in the field Network Security and Cryptography, Cloud Computing and Big Data Analytics, Data Mining and Data Warehouse, Communication and Nanotechnology and VLSI and Image Processing.

Emerging Trends in Applications and Infrastructures for Computational Biology, Bioinformatics, and Systems Biology-Hamid R Arabnia 2016-03-25 Emerging Trends in Applications and Infrastructures for Computational Biology, Bioinformatics, and Systems Biology: Systems and Applications covers the latest trends in the field with special emphasis on their applications. The first part covers the major areas of computational biology, development and application of data-analytical and theoretical methods, mathematical modeling, and computational simulation techniques for the study of biological and behavioral systems. The second part covers bioinformatics, an interdisciplinary field concerned with methods for storing, retrieving, organizing, and analyzing biological data. The book also explores the software tools used to generate useful biological knowledge. The third part, on systems biology, explores how to obtain, integrate, and analyze complex datasets from multiple experimental sources using interdisciplinary tools and techniques, with the final section focusing on big data and the collection of datasets so large and complex that it becomes difficult to process using conventional database management systems or traditional data processing applications. Explores all the latest advances in this fast-developing field from an applied perspective Provides the only coherent and comprehensive treatment of the subject available Covers the algorithm development, software design, and database applications that have been developed to foster research