

In recent years, several projects and studies have been launched towards the development and use of new methodologies, in order to assess, monitor, and support clean forms of energy. Accurate estimation of the available energy potential is of primary importance, but is not always easy to achieve. The present Special Issue on ‘Renewable Energy Resource Assessment and Forecasting’ aims to provide a holistic approach to the above issues, by presenting multidisciplinary methodologies and tools that are able to support research projects and meet today’s technical, socio-economic, and decision-making needs. In particular, research papers, reviews, and case studies on the following subjects are presented: wind, wave and solar energy; biofuels; resource assessment of combined renewable energy forms; numerical models for renewable energy forecasting; integrated forecasted systems; energy for buildings; sustainable development; resource analysis tools and statistical models; extreme value analysis and forecasting for renewable energy resources.

Cleaning Pakistan’s Air E-MAG

This two-volume set, consisting of LNCS 7181 and LNCS 7182, constitutes the thoroughly refereed proceedings of the 13th International Conference on Computer Linguistics and Intelligent Processing, held in New Delhi, India, in March 2012. The total of 92 full papers were carefully reviewed and selected for inclusion in the proceedings. The contents have been ordered according to the following topical sections: NLP system architecture; lexical resources; morphology and syntax; word sense disambiguation and named entity recognition; semantics and discourse; sentiment analysis, opinion mining, and emotions; natural language generation; machine translation and multilingualism; text categorization and clustering; information extraction and text mining; information retrieval and question answering; document summarization; and applications.

Policy Options to Address the Cost of Outdoor Air Pollution

This book reports on cutting-edge research related to social and occupational factors. It presents innovative contributions to the optimization of sociotechnical management systems, which consider organizational, policy, and logistical issues. It discusses timely topics related to communication, crew resource management, work design, participatory design, as well as teamwork, community ergonomics, cooperative work, and warning systems. Moreover, it reports on new work paradigms, organizational cultures, virtual organizations, telework, and quality management. The book reports on cutting-edge infrastructures implemented for different purposes such as urban, health, and enterprise. It discusses the growing role of automated systems and presents innovative solutions addressing the needs of special populations. Based on the AHFE 2016 International Conference on Social and Occupational Ergonomics, held on July 27-31 in Walt Disney World®, Florida, USA, the book provides readers with a comprehensive view of the current challenges in both organizational and occupational ergonomics, highlighting key connections between them and underlining the importance of emotional factors in influencing human performance.

Handbook of Optimization in Electric Power Distribution Systems

BoD – Books on Demand

Vols. 4-24 include Communications of the International Federation of Library Associations (IFLA–FIAB). Special Volume of the World Congress on Engineering 2012

Springer Science & Business Media

Visual object tracking (VOT) and face recognition (FR) are essential tasks in computer vision with various real-world applications including human-computer interaction, autonomous vehicles, robotics, motion-based recognition, video indexing, surveillance and security. This book presents the state-of-the-art and new algorithms, methods, and systems of these research fields by using deep learning. It is organized into nine chapters across three sections. Section I discusses object detection and tracking ideas and algorithms; Section II examines applications based on re-identification challenges; and Section III presents applications based on FR research. A Global Perspective #N/A

This book discusses the latest advances in research and development, design, operation and analysis of transportation systems and their complementary infrastructures. It reports on both theories and case studies on road and rail, aviation and maritime transportation. The book covers a wealth of topics, from accident analysis, vehicle intelligent control, and human-error and safety issues to next-generation transportation systems, model-based design methods, simulation and training techniques, and many more. A special emphasis is given to smart technologies and automation in transport, as well as to user-centered, ergonomic and sustainable design of transport systems. The book, which is based on the AHFE 2016 International Conference on Human Factors in Transportation, held on July 27-31, 2016,
in Walt Disney World®, Florida, USA, mainly addresses transportation system designers, industrial designers, human-computer interaction researchers, civil and control engineers, as well as vehicle system engineers. Moreover, it represents a timely source of information for transportation policy-makers and social scientists dealing with traffic safety, management, and sustainability issues in transport.

**Educational Guide of Pakistan**

**IGI Global UNIX: The Textbook, Third Edition** provides a comprehensive introduction to the modern, twenty-first-century UNIX operating system. The book deploys PC-BSD and Solaris, representative systems of the major branches of the UNIX family, to illustrate the key concepts. It covers many topics not covered in older, more traditional textbook approaches, such as Python, UNIX System Programming from basics to socket-based network programming using the client-server paradigm, the Zettabyte File System (ZFS), and the highly developed X Windows-based KDE and Gnome GUI desktop environments. The third edition has been fully updated and expanded, with extensive revisions throughout. It features a new tutorial chapter on the Python programming language and its use in UNIX, as well as a complete tutorial on the git command with Github. It includes four new chapters on UNIX network programming, and UNIX system administration. It may also be used as a companion to the undergraduate and graduate level courses on operating system concepts and principles.

**Applications of Computational Intelligence to Power Systems**

Elsevier

**Visual Object Tracking with Deep Neural Networks**

BoD - Books on Demand

**Pakistan & Gulf Economist**

**CRC Press**

Utilizing the authors’ almost 65 years of practical teaching experience at the college level, this textbook presents well-thought-out sequencing of old and new topics, well-developed and timely lessons, a Github site containing all of the code in the book plus exercise solutions, and homework exercises/problems synchronized with the didactic sequencing of chapters in the book. With the exception of four chapters on system programming, the book can be used very successfully by a complete novice, as well as by an experienced UNIX system user, in both an informal and formal learning environment. The book may be used in several computer science and information technology courses, including UNIX for beginners and advanced users, shell and Python scripting, UNIX system programming, UNIX network programming, and UNIX system administration. It may also be used as a companion to the undergraduate and graduate level courses on operating system concepts and principles.

**Advances in Human Aspects of Transportation**

The European Computing Conference offers a unique forum for establishing new collaborations within present or upcoming research projects, exchanging useful ideas, presenting recent research results, participating in discussions and establishing new academic collaborations, linking university with the industry. Engineers and Scientists working on various areas of Systems Theory, Applied Mathematics, Simulation, Numerical and Computational Methods and Parallel Computing present the latest findings, advances, and current trends on a wide range of topics. This proceedings volume will be of interest to students, researchers, and practicing engineers.

**Commonwealth Universities Yearbook**

Visual Object Tracking with Deep Neural Networks

"This book addresses the complex issues associated with software engineering environment capabilities for designing real-time embedded software systems"—Provided by publisher.

**IGI Global**

With nearly a quarter of the world’s population, members of at least five major language families plus several putative language isolates, South Asia is a fascinating arena for linguistic investigations, whether comparative-historical linguistics, studies of language contact and multilingualism, or general linguistic theory. This volume provides a state-of-the-art survey of linguistic research on the languages of South Asia, with contributions by well-known experts. Focus is both on what has been accomplished so far and on what remains unresolved or controversial and hence offers challenges for future research. In addition to covering the languages, their histories, and their genetic classification, as well as...
phonetics/phonology, morphology, syntax, and sociolinguistics, the volume provides special coverage of contact and convergence, Indigenous South Asian grammatical traditions, applications of modern technology to South Asian languages, and South Asian writing systems. An appendix offers a classified listing of major sources and resources, both digital/online and printed.

Proceedings of the 1st International Conference on Sustainable Buildings and Structures (Suzhou, P.R. China, 29 October – 1 November 2015) Springer The harm to Pakistan’s health, economy, and environment from urban air pollution is among the highest in South Asia, exceeding several high-profile causes of mortality and morbidity in Pakistan. This report details a broad spectrum of research on Pakistan’s air quality management challenges and presents concrete steps to achieve improvements.

The Muslim World iUniverse This book, the first in the Woodhead Publishing Reviews: Mechanical Engineering Series, is a collection of high quality articles (full research articles, review articles and cases studies) with a special emphasis on research and development in mechatronics and manufacturing engineering. Mechatronics is the blending of mechanical, electronic, and computer engineering into an integrated design. Today, mechatronics has a significant and increasing impact on engineering with emphasis on the design, development and operation of manufacturing engineering systems. The main objective of this interdisciplinary engineering field is the study of automata from an engineering perspective, thinking on the design of products and manufacturing processes and systems. Mechatronics and manufacturing systems are well established and executed within a great number of industries including aircraft, automotive and aerospace industries; machine tools, moulds and dies product manufacturing, computers, electronics, semiconductor and communications, and biomedical. A collection of high quality articles with a special emphasis on research and development in mechatronics and manufacturing engineering Presents a range of views based on international expertise Written by a highly knowledgeable and well-respected expert in the field

E-NAG (3rd edition) Springer Science & Business Media Over the last few years, social and emotional skills have been rising on the education policy agenda and in the public debate. Policy makers and education practitioners are seeking ways to complement the focus on academic learning, with attention to social and emotional skill development.

Libri Springer Science & Business Media The significant growth of number of students enrolled in tertiary education institutions in the recent past decades has caused an unprecedented expansion of higher education systems. The rapid and constant social, economic and technological mutations and international competition make the importance of qualitatively well-educated citizenry and labor forces very decisive. Globalization has developed a powerful impact on the development of higher education and imposes new challenges for the organization (standards, financing, regulations). Systems of higher education tend to detach from the national models and adopt a more "global" orientation. The implementation of quality assurance is one of the recent and most decisive transformations of higher education. Different higher education systems are trying to develop assessment tools (internal and external) to improve the quality of teaching, research and extension activities, and these are either based on experiences of selected countries or are extensively country specific. The quality assurance procedures that were often dependent on national directorial traditions have gradually tended to converge and led to a setup of common tools and standards. Countries under a centralized system tend to impose a uniform and general model while decentralized systems give greater freedom to universities to set up their own quality. International rankings of universities also contribute to impose a set of transnational standards and values, which is also being considered as indicative by the stakeholders. The present book tries to look at the quality assurance mechanism, international rankings and its impact in both absolute and comparative fashion in context of 11 countries from different parts of the world.

Information Technology: New Generations CRC Press International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modeling, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

Building New Dimensions of Information Technology Springer Nature Sustainable Buildings and Structures collects the contributions presented at the 1st International Conference on Sustainable Buildings and Structures (Suzhou, China, 29 October–1 November 2016). The book aims to share thoughts and ideas on sustainable approaches to urban planning, engineering design and construction. The topics discussed include:-

The Languages and Linguistics of South Asia IGI Global Web Engineering Advancements and Trends: Building New Dimensions of Information Technology examines integrated approaches in new dimensions of social and organizational knowledge sharing with emphasis on intelligent and personalized access.

UNIX Educational Technology

"This book presents in-depth insight through a case study approach into the current state of research in ICT as well as identified successful approaches, tools and methodologies in ICT research"--Provided by publisher.