Research Paper Engineering

Seismic Design Aids for Nonlinear Analysis of Reinforced Concrete StructuresFrontier Technologies for Infrastructures EngineeringWater-supply PaperHow to Write a Good Scientific PaperSoftware Engineering Research and ApplicationsFuzzy Engineering and Operations ResearchHandbook of Research on Modern Systems Analysis and Design Technologies and ApplicationsAgent Technologies and Web Engineering: Applications and SystemsEngineering Research SeriesAdvanced Computer and Communication Engineering TechnologyThe Engineering IndexHow to Write a Research PaperAeronautical Engineering ReviewCooperative Design, Visualization, and EngineeringSoftware Engineering for Self-Adaptive SystemsEngineering and Managing Software RequirementsForces Shaping the U.S. Academic Engineering Research EnterprisePeterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications 2011Requirements Engineering: Foundation for Software QualityScholarly Communication in Science and Engineering Research in Higher EducationEngineering News-recordFuzzy Information & Engineering and Operations Research & ManagementProceedings of the American Society of Civil EngineersForeign Affairs Research Papers AvailableEngineering and Scientific PapersThe Offshoring of EngineeringEngineering Research BulletinGranulationScientists Must WriteChemical & Metallurgical EngineeringAgricultural EngineeringOcean Engineering Research Advances9th WCEAM Research PapersProceedings of the Annual Convention of the Association of Land-Grant CollegesResearch Methods in Software EngineeringDomestic Engineering and the Journal of Mechanical ContractingResearch and Applications in Structural Engineering, Mechanics and ComputationSuccess in Academic WritingEthics in Engineering Practice and ResearchFrom Research to Practice in Geotechnical Engineering

Seismic Design Aids for Nonlinear Analysis of Reinforced Concrete Structures

Frontier Technologies for Infrastructures Engineering

Fuzzy Information & Engineering and Operations Research & Management is the monograph from submissions by the 6th International Conference on Fuzzy Information and Engineering (ICFIE2012, Iran) and by the 6th academic conference from Fuzzy Information Engineering Branch of Operation Research Society of China (FIEBORSC2012, Shenzhen,China). It is published by Advances in Intelligent and Soft Computing (AISC). We have received more than 300 submissions. Each paper of it has undergone a rigorous review process. Only high-quality papers are included in it containing papers as follows: I Programming and Optimization. II Lattice and Measures. III Algebras and Equation. IV Forecasting, Clustering and Recognition. V Systems and Algorithm. VI Graph and Network. VII Others.

Water-supply Paper

"This book presents various applications of the growing perspective of agent

technologies as they apply the web engineering"--Provided by publisher.

How to Write a Good Scientific Paper

Ocean engineering is the branch of engineering concerned with the design, analysis and operation planning of systems that operate in an oceanic environment. Examples of systems range from oil platforms to submarines, from breakwaters to sailboats. Common to all are the conditions of the ocean including waves, seawater, and hydrostatic pressure. The ocean environment presents a vast quantity of renewable sources of energy in the form of winds, waves, tides, currents and the density and thermal gradients between ocean water layers. This book presents leading-edge research in ocean engineering.

Software Engineering Research and Applications

“Fuzzy Engineering and Operations Research” is the edited outcome of the 5th International Conference on Fuzzy Information and Engineering (ICFIE2011) held during Oct. 15-17, 2011 in Chengdu, China and by the 1st academic conference in establishment of Guangdong Province Operations Research Society (GDORSC) held on Oct. 20, 2011 in Guangzhou, China. The 5th ICFIE2011, built on the success of previous conferences, and the GDORC, first held, are major Symposiums, respectively, for scientists, engineers practitioners and Operation Research (OR) researchers presenting their updated results, developments and applications in all areas of fuzzy information and engineering and OR. It aims to strengthen relations between industry research laboratories and universities, and to create a primary symposium for world scientists in Fuzziology and OR fields. The book contains 62 papers and is divided into five main parts: “Fuzzy Optimization, Logic and Information”, “The mathematical Theory of Fuzzy Systems”, “Fuzzy Engineering Applications and Soft Computing Methods”, “OR and Fuzziology” and “Guess and Review”.

Fuzzy Engineering and Operations Research

Stay on top with the latest developments in scientific and technical journal publications! In Scholarly Communication in Science and Engineering Research in Higher Education, experts in the academic community propose cost-effective alternatives to commercial publications in the face of increased journal prices and reduced budgets. This book discusses recent technological innovations that can maintain the needs of researchers who need to stay on the cutting edge of science and technology as well as scholars who must be published and peer-reviewed in order to achieve tenure and promotion. This text also examines the latest developments in information retrieval that will effectively cut time and costs for academic researchers in the library. Scholarly Communication in Science and Engineering Research in Higher Education focuses on the need for the academic community to accept new, economical methods of producing and making available publications such as peer reviews, research papers, letters, technical and experiment reports, preprints, and conference papers. This volume also emphasizes that scientists and engineers—whether graduate students or professionals—must have access to the latest relevant research in their fields and

rely on libraries to provide it. Several chapters in this book examine the problem areas of information technology that will need to be fixed, such as bottlenecks to the flow of information, difficulties using information retrieval systems, and the challenges with archiving electronic journals. Using research and case studies, this book offers strategies for obtaining benefits such as: more efficient and inexpensive ways to access and navigate information more cost-effective means of authentication and quality control new initiative programs in electronic theses and dissertations to assist graduate students increased dissemination and access for conference papers at significantly less cost alternative and more effective approaches for solving underlying problems within the scholarly communication circuit of scientists activities for librarians to help expand utilization of digital technologies at the local level accurate and reliable retrieval of citation data from online sources Using Scholarly Communication in Science and Engineering Research in Higher Education, you can play an important role in improving the means and methods in this area of academics. This important guide will help librarians, science and engineering faculty and students, researchers, and publishers maintain funding, improve efficiency, and offer new methods for scientific studies.

Handbook of Research on Modern Systems Analysis and Design Technologies and Applications

Agent Technologies and Web Engineering: Applications and Systems

Peterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications contains a wealth of information on colleges and universities that offer graduate degrees in these fields. The profiled institutions include those in the United States, Canada, and abroad that are accredited by U.S. accrediting bodies. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

Engineering Research Series

This book constitutes the refereed proceedings of the 17th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2011, held in Essen, Germany, in March 2011. The 10 revised full papers and the 9 short papers presented were carefully reviewed and selected from 59 submissions. The papers are organized in seven topical sections on security and sustainability;

process improvement and requirements in context; elicitation; models; services; embedded and real-time systems; and prioritization and traceability.

Advanced Computer and Communication Engineering Technology

The Engineering Index

Engineering asset management encompasses all types of engineered assets including built environment, infrastructure, plant, equipment, hardware systems and components. Following the release of ISO 5500x set of standards, the 9th WCEAM addresses the hugely important issue of what constitutes the body of knowledge in Engineering Asset Management. Topics discussed by Congress delegates are grouped into a number of tracks including strategies for investment and divestment of assets, operations and maintenance of assets, assessments of assets condition, risk and vulnerability, technologies and systems for management of asset, standards, education, training and certification. These proceedings include a sample of the wide range of topics presented during the 9th World Congress on Engineering Asset Management in Pretoria South Africa 28 – 31 October, 2014 and complements other emerging publications and standards that embrace the wide ranging issues concerning the management of engineered physical assets.

How to Write a Research Paper

This book, by a scientist, is not a textbook on English grammar: nor is it just one more book on how to write a technical report, or a thesis, or a paper for publication. It is about all the ways in which writing is important to scientists and engineers in helping them to remember to observe, to think, to plan, to organize and to communicate.

Aeronautical Engineering Review

Cooperative Design, Visualization, and Engineering

Tools to Safeguard New Buildings and Assess Existing Ones Nonlinear analysis methods such as static pushover are globally considered a reliable tool for seismic and structural assessment. But the accuracy of seismic capacity estimates—which can prevent catastrophic loss of life and astronomical damage repair costs—depends on the use of the correct basic input parameters. Seismic Design Aids for Nonlinear Analysis of Reinforced Concrete Structures simplifies the estimation of those vital parameters. Many design engineers make the relatively common mistake of using default properties of materials as input to nonlinear analyses without realizing that any minor variation in the nonlinear characteristics of constitutive materials, such as concrete and steel, could result in a solution error that leads to incorrect assessment or interpretation. Streamlined Analysis Using a Mathematical Model To achieve a more accurate pushover analysis and improve

general performance-based design, this book reassesses some key inputs, including axial force-bending moment yield interaction, moment-curvature, and moment-rotation characteristics. It analyzes these boundaries using a detailed mathematical model of reinforced concrete sections based on international codes, and then proposes design curves and tables derived from the authors' studies using a variety of nonlinear tools, computer programs, and software. The text reviews relevant literature and describes mathematical modeling, detailing numerical procedures step by step. Including supplementary online material that can be used to compute any parameter, this reference delineates nonlinear properties of materials so that they can be used instantly for seismic analysis without having to solve cumbersome equations.

Software Engineering for Self-Adaptive Systems

Engineering and Managing Software Requirements

Forces Shaping the U.S. Academic Engineering Research Enterprise

A real-world, problem-centered approach to engineering ethics, using case studies, for students and professionals.

Peterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications 2011

GSP 180 honors Dr. John H. Schmertmann for his contributions to civil engineering and includes 17 papers by him as well as 28 invited papers on related geotechnical subjects.

Requirements Engineering: Foundation for Software Quality

An exclusive collection of papers introducing current and frontier technologies of special significance to the planning, design, construction, and maintenance of civil infrastructures. This volume is intended for professional and practicing engineers involved with infrastructure systems such as roadways, bridges, buildings, power generating and dis

Scholarly Communication in Science and Engineering Research in Higher Education

This book covers diverse aspects of advanced computer and communication engineering, focusing specifically on industrial and manufacturing theory and applications of electronics, communications, computing and information technology. Experts in research, industry, and academia present the latest developments in technology, describe applications involving cutting-edge communication and computer systems and explore likely future directions. In

addition, access is offered to numerous new algorithms that assist in solving computer and communication engineering problems. The book is based on presentations delivered at ICOCOE 2014, the 1st International Conference on Communication and Computer Engineering. It will appeal to a wide range of professionals in the field, including telecommunication engineers, computer engineers and scientists, researchers, academics and students.

Engineering News-record

Fuzzy Information & Engineering and Operations Research & Management

Although the self-adaptability of systems has been studied in a wide range of disciplines, from biology to robotics, only recently has the software engineering community recognized its key role in enabling the development of self-adaptive systems that are able to adapt to internal faults, changing requirements, and evolving environments. The 15 carefully reviewed papers included in this state-of-the-art survey were presented at the International Seminar on "Software Engineering for Self-Adaptive Systems", held in Dagstuhl Castle, Germany, in October 2010. Continuing the course of the first book of the series on "Software Engineering for Self-Adaptive Systems" the collection of papers in this second volume comprises a research roadmap accompanied by four elaborating working group papers. Next there are two parts - with three papers each - entitled "Requirements and Policies" and "Design Issues"; part four of the book contains four papers covering a wide range of "Applications".

Proceedings of the American Society of Civil Engineers

Foreign Affairs Research Papers Available

This book constitutes the refereed proceedings of the 10th International Conference on Cooperative Design, Visualization, and Engineering, CDVE 2013, held in Palma de Mallorca, Spain, in September 2013. The 34 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers cover all the topics of cooperative engineering, basic theories, methods and technologies that support CDVE, cooperative design, visualization and applications. There are special contributions dealing with the cooperative issues brought by the Internet of things - such as the situation in the ambient assisted living systems. Other papers in the volume cover a wide range of cooperative application topics such as cooperative e-learning, cooperative decision making and cooperative simulation etc.

Engineering and Scientific Papers

Granulation provides a complete and comprehensive introduction on the state-of-the-art of granulation and how it can be applied both in an academic context and from an industrial perspective. Coupling science and engineering practices it

covers differing length scales from the sub-granule level through behaviour through single granules, to bulk granule behaviour and equipment design. With special focus on a wide range of industrially relevant areas from fertilizer production, through to pharmaceuticals. Experimental data is complemented by mathematical modelling in this emerging field, allowing for a greater understanding of the basis of particle products and this important industry sector. Four themes run through the book: 1. The Macro Scale processing for Granulation – including up to date descriptions of the methods used for granulation and how they come about and how to monitor – on-line these changes. 2. The Applications of granulation from an industrial perspective, with current descriptive roles and how they are undertaken with relevance to industry, and effective properties. 3. Mechanistic descriptions of granulation and the different rate processes occurring within the granulator. This includes methods of modelling the process using Population – Balance Equations, and Multi-level Computational Fluid Dynamics Models. 4. The Micro Scale: Granules and Smaller, looking at single granules and there interactions and modelling, while also considering the structure of granules and their constituent liquid bridges. * Covers a wide range of subjects and industrial applications * Provides an understanding of current issues for industrial and academic environments * Allows the reader an understanding of the science behind engineered granulation processes

The Offshoring of Engineering

Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.

Engineering Research Bulletin

Granulation

This book constitutes the thoroughly refereed post-proceedings of the First International Conference on Software Engineering Research and Applications, SERA 2003, held in San Francisco, CA, USA in June 2003. The 23 revised full papers presented were carefully selected from 104 initial submissions during two rounds of reviewing and improvement. The papers are organized in topical sections on formal methods; component-based software engineering; software quality, requirements engineering, reengineering, and performance analysis; knowledge discovery and artificial intelligence; and database retrieval and human-computer interaction.

Scientists Must Write

Requirements engineering is the process by which the requirements for software systems are gathered, analyzed, documented, and managed throughout their complete lifecycle. Traditionally it has been concerned with technical goals for, functions of, and constraints on software systems. Aurum and Wohlin, however, argue that it is no longer appropriate for software systems professionals to focus only on functional and non-functional aspects of the intended system and to somehow assume that organizational context and needs are outside their remit. Instead, they call for a broader perspective in order to gain a better understanding of the interdependencies between enterprise stakeholders, processes, and software systems, which would in turn give rise to more appropriate techniques and higher-quality systems. Following an introductory chapter that provides an exploration of key issues in requirements engineering, the book is organized in three parts. Part 1 presents surveys of state-of-the art requirements engineering process research along with critical assessments of existing models, frameworks and techniques. Part 2 addresses key areas in requirements engineering, such as market-driven requirements engineering, goal modeling, requirements ambiguity, and others. Part 3 concludes the book with articles that present empirical evidence and experiences from practices in industrial projects. Its broader perspective gives this book its distinct appeal and makes it of interest to both researchers and practitioners, not only in software engineering but also in other disciplines such as business process engineering and management science.

Chemical & Metallurgical Engineering

Agricultural Engineering

Ocean Engineering Research Advances

9th WCEAM Research Papers

Proceedings of the Annual Convention of the Association of Land-Grant Colleges

Research Methods in Software Engineering

Domestic Engineering and the Journal of Mechanical Contracting

Research and Applications in Structural Engineering, Mechanics and Computation

The engineering enterprise is a pillar of U.S. national and homeland security, economic vitality, and innovation. But many engineering tasks can now be performed anywhere in the world. The emergence of "offshoring"- the transfer of work from the United States to affiliated and unaffiliated entities abroad - has raised concerns about the impacts of globalization. The Offshoring of Engineering helps to answer many questions about the scope, composition, and motivation for offshoring and considers the implications for the future of U.S. engineering practice, labor markets, education, and research. This book examines trends and impacts from a broad perspective and in six specific industries - software, semiconductors, personal computer manufacturing, construction engineering and services, automobiles, and pharmaceuticals. The Offshoring of Engineering will be of great interest to engineers, engineering professors and deans, and policy makers, as well as people outside the engineering community who are concerned with sustaining and strengthening U.S. engineering capabilities in support of homeland security, economic vitality, and innovation.

Success in Academic Writing

"This book provides a compendium of terms, definitions, and explanations of concepts in various areas of systems and design, as well as a vast collection of cutting-edge research articles from the field's leading experts"--Provided by publisher.

Ethics in Engineering Practice and Research

Research and Applications in Structural Engineering, Mechanics and Computation contains the Proceedings of the Fifth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2013, Cape Town, South Africa, 2-4 September 2013). Over 420 papers are featured. Many topics are covered, but the contributions may be seen to fall

From Research to Practice in Geotechnical Engineering

The way in which academic engineering research is financed and public expectations for the outcomes from such research are changing at an unprecedented rate. The decrease in support of defense-related research, coupled with the realization that many U.S. technological products are no longer competitive in the global market, has sent a shock wave through research universities that train engineers. This book argues for several concrete actions on the part of universities, government, and industry to ensure the flow and relevance of technical talent to meet national social and economic goals, to maintain a position of leadership in the global economy, and to preserve and enhance the nation's engineering knowledge base.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION