

Software Engineering By Aggrawal Solutions

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Software Engineering IGI Global

As technology continues to evolve, the popularity of mobile computing has become inherent within today’s society. With the majority of the population using some form of mobile device, it has become increasingly important to develop more efficient cloud platforms. Modern Software Engineering Methodologies for Mobile and Cloud Environments investigates emergent trends and research on innovative software platforms in mobile and cloud computing. Featuring state-of-the-art software engineering methods, as well as new techniques being utilized in the field, this book is a pivotal reference source for professionals, researchers, practitioners, and students interested in mobile and cloud environments. Adaptive Web Services for Modular and Reusable Software Development: Tactics and Solutions IGI Global

As is true of most technological fields, the software industry is constantly advancing and becoming more accessible to a wider range of people. The advancement and accessibility of these systems creates a need for understanding and research into their development. Optimizing Contemporary Application and Processes in Open Source Software is a critical scholarly resource that examines the prevalence of open source software systems as well as the advancement and development of these systems. Featuring coverage on a wide range of topics such as machine learning, empirical software engineering and management, and open source, this book is geared toward academicians, practitioners, and researchers seeking current and relevant research on the advancement and prevalence of open source software systems.

Handbook of Research on Innovations in Systems and Software Engineering Alpha Science International Limited

As knowledge-based software engineering matures and increasingly automates the software engineering life cycle, software engineering resources are shifting towards knowledge acquisition and the automated reuse of expert knowledge for developing software artifacts. This book summarizes the work and new research results presented at the Tenth Joint Conference on Knowledge-based Software Engineering (JCKBSE 2012), held on the island of Rhodes, Greece, in August 2012. The biennial Joint Conference on Knowledge-Based Software Engineering brings together researchers and practitioners to share ideas on the foundations, techniques, tools, and applications of knowledge-based software engineering theory and practice. Topics addressed include theoretical foundations, practical techniques, software tools, applications and/or experience reports in knowledge-based software engineering. This book is published in the subseries Knowledge-Based Intelligent Engineering Systems (KBIES). Congress on Intelligent Systems IGI Global This two-volume book gathers the proceedings of the Sixth International Conference on Soft Computing for Problem Solving (SocProS 2016), offering a collection of research papers presented during the conference at Thapar University, Patiala, India. Providing a veritable treasure trove for scientists and researchers working in the field of soft computing, it highlights the latest developments in the broad area of “Computational Intelligence” and explores both theoretical and practical aspects using fuzzy logic, artificial neural networks, evolutionary algorithms, swarm intelligence, soft computing, computational intelligence, etc.

Web Services: Concepts, Methodologies, Tools, and Applications Springer

There is arguably no field in greater need of a comprehensive handbook than computer engineering. The unparalleled rate of technological advancement, the explosion of computer applications, and the now-in-progress migration to a wireless world have made it difficult for engineers to keep up with all the developments in specialties outside their own India ... IT & Telecom Directory Walter de Gruyter GmbH & Co KG

Recent developments in information processing systems have driven the advancement of numerical simulations in engineering. New models and simulations enable better solutions for problem-solving and overall process improvement. Advanced Numerical Simulations in Mechanical Engineering is a pivotal reference source for the latest research findings on advanced modelling and simulation method adopted in mechanical and mechatronics engineering. Featuring extensive coverage on relevant areas such as fuzzy logic controllers, finite element analysis, and analytical models, this publication is an ideal resource for students, professional engineers, and researchers interested in the application of numerical simulations in mechanical engineering.

Proceedings of Sixth International Conference on Soft Computing for Problem Solving Software Engineering

This book gathers high-quality papers presented at the International Conference on Artificial Intelligence and Applications (ICAIA 2020), held at Maharaja Surajmal Institute of Technology, New Delhi, India, on 6 – 7 February 2020. The book covers areas such as artificial neural networks, fuzzy systems, computational optimization technologies and machine learning.

Selected Readings on Information Technology Management: Contemporary Issues Academic Press

This book constitutes the refereed proceedings of the 17th International Conference on Economics of Grids, Clouds, Systems, and Services, GECON 2020, held in Izola, Slovenia, in September 2020. Due to COVID-19 pandemic the conference was held virtually by the University of Ljubljana. The 11 full papers and 9 short papers presented in this book were carefully reviewed and selected from 40 submissions. The papers are structured in selected topics, namely: Smartness in Distributed Systems; Decentralizing Clouds to Deliver Intelligence at the Edge; Digital Infrastructures for Pandemic Response and Countermeasures; Dependability and Sustainability; Economic Computing and Storage; Poster Session.

Handbook of Research on Green Engineering Techniques for Modern Manufacturing Springer Nature

Contributed articles.

Privacy Vulnerabilities and Data Security Challenges in the IoT Springer Science & Business Media

Web service technologies are redefining the way that large and small companies are doing business and exchanging information. Due to the critical need for furthering automation, engagement, and efficiency, systems and workflows are becoming increasingly more web-based. Web Services: Concepts, Methodologies, Tools, and Applications is an innovative reference source that examines relevant theoretical frameworks, current practice guidelines, industry standards and standardization, and the latest empirical research findings in web services. Highlighting a range of topics such as cloud computing, quality of service, and semantic web, this multi-volume book is designed for computer engineers, IT specialists, software designers, professionals, researchers, and upper-level students interested in web services architecture, frameworks, and security. Strategies for Managing Computer Software Upgrades IGI Global

The book begins with an introduction to software reliability, models and techniques. The book is an informative book covering the strategies needed to assess software failure behaviour and its quality, as well as the application of optimization tools for major managerial decisions related to the software development process. It features a broad range of topics including software reliability assessment and apportionment, optimal allocation and selection decisions and upgradations problems. It moves through a variety of problems related to the evolving field of optimization of software reliability engineering, including software release time, resource allocating, budget planning and warranty models, which are each explored in depth in dedicated chapters. This book provides a comprehensive insight into present-day practices in software reliability engineering, making it relevant to students, researchers, academics and practising consultants and engineers.

Economics of Grids, Clouds, Systems, and Services Jaijit Bhattacharya

Software development continues to be an ever-evolving field as organizations require new and innovative programs that can be implemented to make processes more efficient, productive, and cost-effective. Agile practices particularly have shown great benefits for improving the effectiveness of software development and its maintenance due to their ability to adapt to change. It is integral to remain up to date with the most emerging tactics and techniques involved in the development of new and innovative software. The Research Anthology on Agile Software, Software Development, and Testing is a comprehensive resource on the emerging trends of software development and testing. This text discusses the newest developments in agile software and its usage spanning multiple industries. Featuring a collection of insights from diverse authors, this research anthology offers international perspectives on agile software. Covering

topics such as global software engineering, knowledge management, and product development, this comprehensive resource is valuable to software developers, software engineers, computer engineers, IT directors, students, managers, faculty, researchers, and academicians.

Pervasive Cloud Computing Technologies: Future Outlooks and Interdisciplinary Perspectives Springer

This Proceedings contains many research and practical papers dealing with the impact and influence of information technology on the global economy.

Software Engineering IGI Global

This book presents selected proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. They cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This book focuses on Software Engineering, and informs readers about the state of the art in software engineering by gathering high-quality papers that represent the outcomes of consolidated research and innovations in Software Engineering and related areas. In addition to helping practitioners and researchers understand the chief issues involved in designing, developing, evolving and validating complex software systems, it provides comprehensive information on developing professional careers in Software Engineering. It also provides insights into various research issues such as software reliability, verification and validation, security and extensibility, as well as the latest concepts like component-based development, software process models, process-driven systems and human-computer collaborative systems. Reliability Engineering Jones & Bartlett Learning The book is a collection of high-quality peer-reviewed research papers presented at the third International Conference on Innovations in Computer Science and Engineering (ICICSE 2015) held at Guru Nanak Institutions, Hyderabad, India during 7 – 8 August 2015. The book discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academic and industry present their original work and exchange ideas, information, techniques and applications in the field of Communication, Computing, and Data Science and Analytics.

Optimization Models in Software Reliability Springer

Modern society depends heavily upon a host of systems of varying complexity to perform the services required. The importance of reliability assumes new dimensions, primarily because of the higher cost of these highly complex machines required by mankind and the implication of their failure. This is why all industrial organizations wish to equip their scientists, engineers, managers and administrators with a knowledge of reliability concepts and applications. Based on the author's 20 years experience as reliability educator, researcher and consultant, Reliability Engineering introduces the reader systematically to reliability evaluation, prediction, allocation and optimization. It also covers further topics, such as maintainability and availability, software reliability, economics of reliability, reliability management, reliability testing, etc. A reliability study of some typical systems has been included to introduce the reader to the practical aspects. The book is intended for graduate students of engineering schools and also professional engineers, managers and reliability administrators as it has a wide coverage of reliability concepts.

Scientific and Technical Aerospace Reports IGI Global

"This book provides an understanding of major issues, current practices and the main ideas in the field of Web data management, helping readers to identify current and emerging issues, as well as future trends. The most important aspects are discussed: Web data mining, content management on the Web, Web applications and Web services"--Provided by publisher. Knowledge-based Software Engineering IGI Global

This book constitutes the refereed proceedings of the Third International Conference on Information Systems, Technology and Management, ICISTM 2009, held in Ghaziabad, India, in March 2009. The 30 revised full papers presented together with 4 keynote papers were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections on storage and retrieval systems; data mining and classification; managing digital goods and services; scheduling and distributed systems; advances in software engineering; case studies in information management; algorithms and workflows; authentication and detection systems; recommendation and negotiation; secure and multimedia systems; as well as 14 extended poster abstracts.

Contemporary Ethical Issues in Engineering Chandresh Agrawal

"The speed with which companies are bringing new software products to market is having a serious impact on information technology use in organizations. As vendors release new software products, customers are faced with the prospect of upgrading to the new software. If not managed properly, the upgrade might cost inordinate amounts of money and/or curtail employee productivity. To aid IT managers, this book provides strategies for managing issues associated with the implementation of software upgrades. In addition, the book presents selected research papers which provide indepth treatment of the most critical aspects of software upgrade management"--Provided by publisher.

Research Anthology on Agile Software, Software Development, and Testing IGI Global

Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside the technological advancements of computer applications to develop efficient and precise databases of information. The Handbook of Research on Innovations in Systems and Software Engineering combines relevant research from all facets of computer programming to provide a comprehensive look at the challenges and changes in the field. With information spanning topics such as design models, cloud computing, and security, this handbook is an essential reference source for academicians, researchers, practitioners, and students interested in the development and design of improved and effective technologies.