

C S R Prabhu Grid And Cluster Computing

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 13th International Conference, CRiSIS 2018, Arcachon, France, October 16-18, 2018, Revised Selected Papers
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Indian National Bibliography Springer Science & Business Media

Based on research and industry experience, this book structures the issues pertaining to grid computing security into three main categories: architecture-related, infrastructure-related, and management-related issues. It discusses all three categories in detail, presents existing solutions, standards, and products, and pinpoints their shortcomings and open questions. Together with a brief introduction into grid computing in general and underlying security technologies, this book offers the first concise and detailed introduction to this important area, targeting professionals in the grid industry as well as students.

Frameworks and Methodologies Springer

Jugaad is a word often heard in general conversation in India. Whether to find ingenious solutions to problems or turn adversity into opportunity—Indians swear by it. In this seminal book, Navi Radjou, Jaideep Prabhu, and Simone Ahuja challenge the very way a traditional organization thinks and acts. Leading companies such as Facebook, Future Group, GE, Google, PepsiCo, Philips, Renault-Nissan, Siemens, Suzlon, Tata Group, and YES BANK, among others, are already practising jugaad to generate original ideas and pioneer growth. In the midst of rising global competition and swelling R&D budgets, Jugaad Innovation presents ways to innovate, be flexible, and do more with less. Peppared with examples of innovative entrepreneurs in emerging markets such as Africa, India, China, and Brazil, Jugaad Innovation illuminates paths to engender breakthrough growth in a complex and resource-scarce world.

Design and Analysis of Reliable and Fault-Tolerant Computer Systems Universities Press

EBOOK: Principles and Practice of Marketing, 9e

The sciences and engineering. B PHI Learning Pvt. Ltd.

This book constitutes the refereed proceedings of the 31st International Conference, ISC High Performance 2016 [formerly known as the International Supercomputing Conference] held in Frankfurt, Germany, in June 2016. The 25 revised full papers presented in this book were carefully reviewed and selected from 60 submissions. The papers cover the following topics: Autotuning and Thread Mapping; Data Locality and Decomposition; Scalable Applications; Machine Learning; Datacenters and Cloud; Communication Runtime; Intel Xeon Phi; Manycore Architectures; Extreme-scale Computations; and Resilience.

Numerical Computations with GPUs Springer Nature

This book provides a comprehensive survey of techniques, technologies and applications of Big Data and its analysis. The Big Data phenomenon is increasingly impacting all sectors of business and industry, producing an emerging new information ecosystem. On the applications front, the book offers detailed descriptions of various application areas for Big Data Analytics in the important domains of Social Semantic Web Mining, Banking and Financial Services, Capital Markets, Insurance, Advertisement, Recommendation Systems, Bio-Informatics, the IoT and Fog Computing, before delving into issues of security and privacy. With regard to machine learning techniques, the book presents all the standard algorithms for learning – including supervised, semi-supervised and unsupervised techniques such as clustering and reinforcement learning techniques to perform collective Deep Learning. Multi-layered and nonlinear learning for Big Data are also covered. In turn, the book highlights real-life case studies on successful implementations of Big Data Analytics at large IT companies such as Google, Facebook, LinkedIn and Microsoft. Multi-sectorial case studies on domain-based companies such as Deutsche Bank, the power provider Opower, Delta Airlines and a Chinese City Transportation application represent a valuable addition. Given its comprehensive coverage of Big Data Analytics, the book offers a unique resource for undergraduate and graduate

students, researchers, educators and IT professionals alike.

High Performance Computing and Communications Springer

This book presents high-quality papers from an international forum for research on computational approaches to learning. It includes current research and findings from various research labs, universities and institutions that may lead to development of marketable products. It also provides solid support for these findings in the form of empirical studies, theoretical analysis, or comparison to psychological phenomena. Further, it features work that shows how to apply learning methods to solve important application problems as well as how machine learning research is conducted. The book is divided into two main parts: Machine Learning Techniques, which covers machine learning-related research and findings; and, Data Analytics, which introduces recent developments in this domain. Additionally, the book includes work on data analytics using machine learning techniques.

Applications and Developments in Grid, Cloud, and High Performance Computing McGraw Hill

The 1st International Symposium on the Applications of Constraint Databases (CDB2004) took place in Paris, France, on June 12-13, 2004, just before the ACM SIGMOD and PODS conferences. Since the publication of the paper “Constraint Query Languages” by Kan-lakis, Kuper and Revesz in 1990, the last decade has seen a growing interest in constraint database theory, query evaluation, and applications, reflected in a variety of conferences, journals, and books. Constraint databases have proven to be extremely flexible and adoptable in environments that relational database systems cannot serve well, such as geographic information systems and bioinformatics. This symposium brought together people from several diverse areas all contributing to the practice and the application of constraint databases. It was a continuation and extension of previous workshops held in Friedrichshafen, Germany (1995), Cambridge, USA (1996), Delphi, Greece (1997), and Seattle, USA (1998) as well as of the work in the comprehensive volume “Constraint Databases” edited by G. Kuper, L. Libkin and J. Paredaens (2000) and the textbook “Introduction to Constraint Databases” by P. Revesz (2002). The aim of the symposium was to open new and future directions in constraint database research; to address constraints over domains other than the reals; to contribute to a better implementation of constraint database systems, in particular of query evaluation; to address efficient quantifier elimination; and to describe applications of constraint databases.

E-GOVERNANCE PHI Learning Pvt. Ltd.

Grid Computing and Cluster Computing are advanced topics and latest trends in computer science that find a place in the computer science and information technology curricula of many engineering institutes and universities today. Divided into two parts—Part I, Grid Computing and Part II, Cluster Computing—, this compact and concise text strives to make the concepts of grid computing and cluster computing comprehensible to the students through its fine presentation and accessible style. Part I of the book enables the student not only to understand the concepts involved in grid computing but also to build their own grids for specific applications. Similarly, as today supercomputers are being built using cluster computing architectures, Part II provides an insight into the basic principles involved in cluster computing and equips the readers with the knowledge to build their own clusters in-house. Diagrams are used to illustrate the concepts discussed and to enable the reader to actually construct a grid or a cluster himself. The book is intended as a text for undergraduate and postgraduate students of computer science and engineering, information technology (B.Tech./M.Tech. Computer Science and Engineering/IT), and post-graduate students of computer science/information technology (M.Sc. Computer Science and M.Sc. IT). Besides, practising engineers and computer science professionals should find the text very useful.

Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications Springer Science & Business Media

Electronics, Information Sciences, Computer Engineering, telecommunication engineering and Electrical Engineering are the essential disciplines in the field of Electronics and Computer

engineering Their evolution relies on progress in all these complementary scientific and technological fields This conference provides an international forum for the exchange of ideas, discussions on research results and the presentation of theoretical and practical applications in these domains

Techniques and Technologies in Geoinformatics Elsevier

This book constitutes revised selected papers from the International Conference on Advanced Computing, Networking and Security, ADCONS 2011, held in Surathkal, India, in December 2011. The 73 papers included in this book were carefully reviewed and selected from 289 submissions. The papers are organized in topical sections on distributed computing, image processing, pattern recognition, applied algorithms, wireless networking, sensor networks, network infrastructure, cryptography, Web security, and application security.

Fog Computing, Deep Learning and Big Data Analytics-Research Directions Springer

This book offers a comprehensive introduction to the different emerging concepts in the innovative area of sustainability and digital technology. More than 20 leading thinkers from the fields of digitalization, strategic management, sustainability and organizational development share clearly structured insights on the latest developments, advances and remaining challenges concerning the role of sustainability in an increasingly digital world. The authors not only introduce a profound and unique analysis on the state-of-the art of sustainability and digital transformation, but also provide business leaders with practical advice on how to apply the latest management thinking to their daily business decisions. Further, a number of significant case studies exemplify the issues discussed and serve as valuable blueprints for decision makers.

Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education Springer Science & Business Media

"The Grid" is an emerging infrastructure that will fundamentally change the way people think about and use computing. The editors reveal the revolutionary impact of large-scale resource sharing and virtualization within science and industry, and the intimate relationships between organization and resource sharing structures.

Dissertation Abstracts International Springer

This book brings together research on numerical methods adapted for Graphics Processing Units (GPUs). It explains recent efforts to adapt classic numerical methods, including solution of linear equations and FFT, for massively parallel GPU architectures. This volume consolidates recent research and adaptations, covering widely used methods that are at the core of many scientific and engineering computations. Each chapter is written by authors working on a specific group of methods; these leading experts provide mathematical background, parallel algorithms and implementation details leading to reusable, adaptable and scalable code fragments. This book also serves as a GPU implementation manual for many numerical algorithms, sharing tips on GPUs that can increase application efficiency. The valuable insights into parallelization strategies for GPUs are supplemented by ready-to-use code fragments. Numerical Computations with GPUs targets professionals and researchers working in high performance computing and GPU programming. Advanced-level students focused on computer science and mathematics will also find this book useful as secondary text book or reference.

EBOOK: Principles and Practice of Marketing, 9e Springer Nature

This book provides a comprehensive picture of fog computing technology, including of fog architectures, latency aware application management issues with real time requirements, security and privacy issues and fog analytics, in wide ranging application scenarios such as M2M device communication, smart homes, smart vehicles, augmented reality and transportation management. This book explores the research issues involved in the application of traditional shallow machine learning and deep learning techniques to big data analytics. It surveys global research advances in extending the conventional unsupervised or clustering algorithms, extending supervised and semi-supervised algorithms and association rule mining algorithms to big data Scenarios. Further it discusses the deep learning applications of big data analytics to fields of computer vision and speech processing, and describes applications such as semantic indexing and data tagging. Lastly it identifies 25 unsolved research problems and research directions in fog computing, as well as in the context of applying deep learning techniques to big data analytics, such as dimensionality reduction in high-dimensional data and improved formulation of data abstractions along with possible directions for their solutions.

Pragmatic Philanthropy PHI Learning Pvt. Ltd.

The two volumes IFIP AICT 414 and 415 constitute the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2013, held in University

Park, PA, USA, in September 2013. The 133 revised full papers were carefully reviewed and selected for inclusion in the two volumes. They are organized in 4 parts: sustainable production, sustainable supply chains, sustainable services, and ICT and emerging technologies.

13th International Conference, CRISIS 2018, Arcachon, France, October 16-18, 2018, Revised Selected Papers CRC Press

This book is open access under a CC BY 4.0 license. This cutting edge text considers how Asian philanthropists and charitable organizations break with Western philanthropic traditions and examines the key traits and trends that make social investment in Asia unique. Based on 30 case studies of excellent social delivery organizations (SDOs) and social enterprises as well as interviews with ultra-high net-worth individuals throughout Asia, this book examines which characteristics and strategies lead to successful philanthropy and social delivery organizations. Providing evidence based findings on philanthropy, social investment and social delivery organizations in Asia, this book provides invaluable resources for those wishing to deepen their understanding of the sector and what this means for political and economic development in the region.

IFIP WG 5.7 International Conference, APMS 2013, State College, PA, USA, September 9-12, 2013, Proceedings, Part II GRID AND CLUSTER COMPUTING

This comprehensive text, now in its Second Edition, continues to provide the entire spectrum of e-governance—from definition of e-governance to its history, evaluation, e-governance models, infrastructure and manpower facilities, data warehousing possibilities in implementation of e-government projects, and strategies of success of such projects. The text covers 22 case studies—18 Indian case studies and four International case studies. The Indian case studies include Bhoomi, a project of Karnataka Government, CARD (Computer-aided Administration of Registration Department), Smart Nagarpalika (Computerization of Urban Local Bodies or Municipalities), IT in judiciary, Sachivalaya Vahini (e-governance at Secretariat), e-Khazana (Computerization of Treasury Department), and e-Panchayat (Electronic Knowledge-based Panchayat). The international case studies are culled from USA, China, Brazil and Sri Lanka. This book would be of great interest to students of computer science, IT courses, management and public administration. In addition, government departments—both at the centre and in various states—and administrators should find the book highly useful. NEW TO THIS EDITION : Provides two Appendices—one on Eucalyptus cloud to remotely provision e-governance application and another on Revisiting NeGP: eBharath 2020: the proposed future NeGP.

Recent Developments in Machine Learning and Data Analytics IGI Global

Increasingly powerful and diverse computing technologies have the potential to tackle ever greater and more complex problems and dilemmas in engineering and science disciplines. Principal Concepts in Applied Evolutionary Computation: Emerging Trends provides an introduction to the important interdisciplinary discipline of evolutionary computation, an artificial intelligence field that combines the principles of computational intelligence with the mechanisms of the theory of evolution. Academics and practicing field professionals will find this reference useful as they break into the emerging and complex world of evolutionary computation, learning to harness and utilize this exciting new interdisciplinary field.

New Opportunities Through New Technologies IGI Global

Big data has always been a major challenge in geoinformatics as geospatial data come in various types and formats, new geospatial data are acquired very fast, and geospatial databases are inherently very large. And while there have been advances in hardware and software for handling big data, they often fall short of handling geospatial big data efficiently and effectively. Big Data: Techniques and Technologies in Geoinformatics tackles these challenges head on, integrating coverage of techniques and technologies for storing, managing, and computing geospatial big data. Providing a perspective based on analysis of time, applications, and resources, this book familiarizes readers with geospatial applications that fall under the category of big data. It explores new trends in geospatial data collection, such as geo-crowdsourcing and advanced data collection technologies such as LiDAR point clouds. The book features a range of topics on big data techniques and technologies in geoinformatics including distributed computing, geospatial data analytics, social media, and volunteered geographic information. With chapters contributed by experts in geoinformatics and in domains such as computing and engineering, the book provides an understanding of the challenges and issues of big data in geoinformatics applications. The book is a single collection of current and emerging techniques, technologies, and tools that are needed to collect, analyze, manage, process, and visualize geospatial big data.

A Book of Readings PHI Learning Pvt. Ltd.

GRID AND CLUSTER COMPUTING PHI Learning Pvt. Ltd.

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