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Cloud Computing Advancements in Design, Implementation, and Technologies

Shadi Aljawarneh (Isra University, Jordan)
ISBN: 978-1-4666-1879-4; © 2013; 366 pp.

A valuable reference for academics and practitioners alike, covering topics such as virtualization technology, utility computing, cloud application services (SaaS), grid computing, and services computing.

Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice

Massimo Villari (University of Messina, Italy), et al.
ISBN: 978-1-4666-1631-8; © 2012; 372 pp.

Overviews current developments in cloud computing concepts, architectures, infrastructures, and methods, focusing on the needs of small to medium enterprises.

Technology Integration Advancements in Distributed Systems and Computing

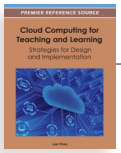
Nik Bessis (University of Derby, UK)
ISBN: 978-1-4666-0906-8; © 2012; 426 pp.

Offers a vital compendium of research and developments within the field of distributed computing, giving case studies, frameworks, architectures, and best practices for academics and practitioners alike.

Software Reuse in the Emerging Cloud Computing Era

Hongji Yang (De Montfort University, UK), et al.
ISBN: 978-1-4666-0897-9; © 2012; 345 pp.

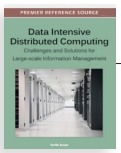
Helps to clarify the present fast-advancing literature of current developments and use of reusable assets in emerging software systems and applications.



Cloud Computing for Teaching and Learning: Strategies for Design and Implementation

Lee Chao (University of Houston Victoria, USA)
ISBN: 978-1-4666-0957-0; © 2012; 357 pp.

Includes empirical research findings for professionals and researchers working in the field of e-learning who want to implement teaching and learning with cloud computing.



Data Intensive Distributed Computing: Challenges and Solutions for Large-Scale Information Management

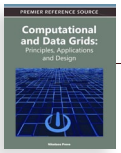
Tevfik Kosar (University of Buffalo (SUNY), USA)
ISBN: 978-1-61520-971-2; © 2012; 352 pp.

Focuses on the challenges of distributed systems imposed by data intensive applications and on the different state-of-the-art solutions proposed to overcome such challenges.

Open Source Cloud Computing Systems: Practices and Paradigms

Luis M. Vaquero (Telefónica R&D Labs, Spain), et al.
ISBN: 978-1-4666-0098-0; © 2012; 267 pp.

Offers a practical compendium of cloud technologies while also providing information on where to access these technologies, how to install them, and when it is appropriate to use one technology over another.



Computational and Data Grids: Principles, Applications, and Design

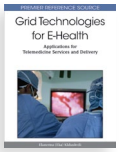
Nikolaos Preve (National Technical University of Athens, Greece)
ISBN: 978-1-61350-113-9; © 2012; 400 pp.

Offers critical perspectives on theoretical frameworks, methodologies, implementations, and cutting-edge research in grid computing.

Achieving Real-Time in Distributed Computing: From Grids to Clouds

Dimosthenis P. Kyriazis
(National Technical University Athens, Greece), et al.
ISBN: 978-1-60960-827-9; © 2012; 452 pp.

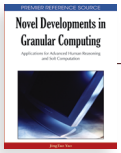
This book's focus is given to the need for methodologies, tools, and architectures for complex distributed systems that address the practical issues of performance guarantees.



Grid Technologies for E-Health: Applications for Telemedicine Services and Delivery

Ekaterina (Eka) Kldiashvili (Georgia Telemedicine Union, Georgia)
ISBN: 978-1-61692-010-4; © 2011; 280 pp.

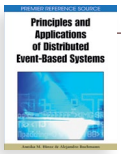
Discusses the significance of automation and IT resources in healthcare technology previously infeasible due to computing and data-integration constraints.



Novel Developments in Granular Computing: Applications for Advanced Human Reasoning and Soft Computation

JingTao Yao (University of Regina, Canada)
ISBN: 978-1-60566-324-1; © 2010; 416 pp.

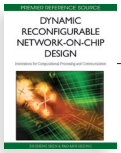
This book not only presents a comprehensive summary of existing practices, but enhances understanding on human reasoning.



Principles and Applications of Distributed Event-Based Systems

Annika M. Hinze (University of Waikato, NZ), et al.
ISBN: 978-1-60566-697-6; © 2010; 390 pp.

This advanced publication provides professionals, researchers, and students in systems design with a rich compendium of the latest applications in the field.



Dynamic Reconfigurable Network-on-Chip Design: Innovations for Computational Processing and Communication

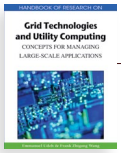
Jih-Sheng Shen (National Chung Cheng University, Taiwan), et al.
ISBN: 978-1-61520-807-4; © 2010; 361 pp.

One of the first compilations written to demonstrate the future for network -on-chip design.

Large-Scale Distributed Computing and Applications: Models and Trends

Valentin Cristea (Politehnica University of Bucharest, Romania), et al.
ISBN: 978-1-61520-703-9; © 2010; 390 pp.

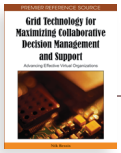
Presents the benefits of using large-scale distributed systems and the development process of scientific and commercial distributed applications.



Handbook of Research on Grid Technologies and Utility Computing: Concepts for Managing Large-Scale Applications

Emmanuel Udoh (Indiana University, Purdue University, USA), et al.
ISBN: 978-1-60566-184-1; © 2009; 396 pp.

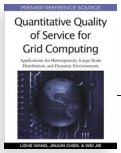
This handbook provides a compendium of terms, definitions, and explanations of concepts, issues, and trends in grid technology.



Grid Technology for Maximizing Collaborative Decision Management and Support: Advancing Effective Virtual Organizations

Nik Bessis (University of Bedfordshire, UK)
ISBN: 978-1-60566-364-7; © 2009; 360 pp.

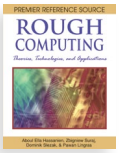
Describes how grid technology can be applied to serve the purpose within interconnected organizations in an effective collaborative setting.



Quantitative Quality of Service for Grid Computing: Applications for Heterogeneity, Large-Scale Distribution, and Dynamic Environments

Lizhe Wang (Institute of Scientific Computing, Germany), et al.
ISBN: 978-1-60566-370-8; © 2009; 528 pp.

Provides a reference in fields such as parallel and distributed computing, high performance computing, and grid computing.



Rough Computing: Theories, Technologies and Applications

Aboul Ella Hassanien (Kuwait University, Kuwait), et al.
ISBN: 978-1-59904-552-8; © 2008; 313 pp.

This book has attracted the attention of researchers and practitioners worldwide, and has been successfully applied to many fields such as knowledge discovery, decision support, pattern recognition, and machine learning.