

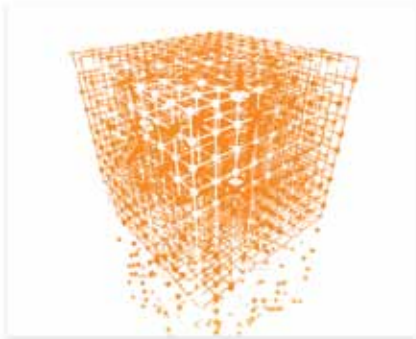
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Released: September 2012

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

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



Emmanuel Udoh

Emmanuel Udoh (Sullivan University, USA)

With the continuing growth of the computing field, services have been provided to data centers over the Internet as the different components of computer are unified into an easy and manageable unit. Contributions from various fields of virtualization, service-oriented architecture, grid-utility computer, and distributed systems are shaping the current cloud pattern shift.

Applications and Developments in Grid, Cloud, and High Performance Computing provides insight into the current trends and emerging issues by investigating grid and cloud evolution, workflow management, and the impact new computing systems have on the education fields as well as the industries. This book is practical for both researchers and IT professionals.

Topics Covered:

- Advanced Collaboration Techniques and Scaling Issues
- Algorithms and Techniques for HPC
- Bio-Inspired Grid Resource Management
- Cloud Architectures
- Cloud Business Process Integration
- Cloud Client and Applications
- Cloud Foundation Concepts
- Cloud Platforms and Infrastructures

ISBN: 9781466620650; © 2013; 392 pp.

Print: US \$195.00 | Perpetual: US \$295.00 | Print + Perpetual: US \$390.00

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Emmanuel Udoh is currently the Dean and Professor of College of Information and Computer Technology, Sullivan University, USA. Prior to his current position, Dr. Udoh was the Chair/Director of the IT Department at National College and an Assistant Professor of Computer Science at Indiana University-Purdue University in Fort Wayne. Dr. Udoh holds two doctoral degrees, one in Information Technology from Capella University and one in Geology from Erlangen University in Germany. He also holds an MBA from Capella, an MS in Computer Science from Troy University in Alabama, an MS in Geology from Muenster University in Germany, and a BS in Geology from the University of Ife (OAU) in Nigeria. Dr. Udoh is the author of six books and numerous peer-reviewed articles in IT. Dr. Udoh has been listed in American Marquis Who's Who in the World (1993-1994).

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