Call for Papers
Concurrency and Computation: Practice and Experience
(http://www.cc-pe.net/)

Special Issue on "**Green Cloud Computing: Methodology and Practice**"

Theme and Scope

Although cloud computing has been widely adopted by the industry, it still suffers from different challenging issues, one of which is efficient energy management. The cloud may comprise thousands of servers, network devices and disks, and typically serve millions of users globally. Such a large-scale data center will consume considerable amount of energy. Therefore, optimizing the efficiency of the application's use of cloud resources and improving the energy efficiency in cloud, without sacrificing Service Level Agreements (SLA), can not only save significant budget for cloud users and owners, but also make a significant contribution to greater environmental sustainability. This unique, special issue is intended to foster state-of-the-art research in the area of green cloud computing including the topics of modeling, algorithm development, implementation and execution.

This special issue will serve as a landmark source for education, information, and reference to students, professionals, and researchers interested in updating their knowledge about or active in green cloud computing. For this, this special issue welcomes submissions of papers that describe original research on advancement of concepts, theory, technologies and applications of information processing for/in cloud computing, including, but not limiting to:

• Energy efficiency in data centers and large-scale data processing.
• Monitoring, management and maintenance.
• Adaptation in cloud resource configuration.
• Measurement and modeling of energy consumption.
• Performance Measurement, Analytical Modeling and Simulation.
• Virtualization Management Modeling.
• Green mobile cloud computing.
• Software Defined Networking.

Instructions for Manuscripts

The submitted papers must be original and must not be under consideration in any other venue. All submitted papers will be reviewed by at least three reviewers and selected based on their originality, significance, relevance, and clarity of presentation. The editors will approve final decisions on accepted papers. Manuscripts should not exceed 16 pages in length and must be prepared according to the following journal's Author Guidelines: http://www.cc-pe.net/journalinfo/authors.html#guidelines. Prospective authors should submit full manuscripts with MS Word format or PDF format.

Important dates

Manuscript submission deadline:	Augast 31, 2017
Notification of Acceptance/Rejection/Revision:	October 31, 2017
Final Manuscript Due:	December 31, 2017

Guest Editors

Prof. Chunming Rong
Department of Computer Science and Information Engineering
University of Stavanger, Norway
E-mail: chunming.rong@uis.no

Associate Prof. Tuyatsetseg Badarch
School of Information Technology and Design
Mongolian National University, Mongolia
E-mail: ba.tuyatsetseg@mnu.edu.mn

Prof. Xianghan Zheng
School of Mathematics & Computer Science
Fuzhou University, P. R. China
E-mail: xianghan.zheng@fzu.edu.cn