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First Workshop on  
Green Cloud Computing (GreenCloud)

June 4, 2012

to be held in conjunction with IGCC  
June 5 - 8, 2012  
San Jose, California, USA  
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#### SCOPE

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Energy consumption accounts for a large portion of the operating cost of computing clouds. In an EPA report to congress, it was estimated that data centers in the cloud make up 3% of the total energy consumption in the U.S. in 2011. This massive energy consumption not only creates financial and environmental issues, but also poses limitations on system scalability and reliability. As cloud computing is considered to be the future of computing and more work will be moved to the clouds, improving its energy efficiency will be more pressing and important.

The main goal of this workshop is to provide a timely forum for researchers to exchange and disseminate new methodologies and techniques that improve the energy efficiency of cloud computing. Topics of interest include but are not limited to:

- \* Power and energy measurement, analysis, and modeling for cloud computing
- \* Energy-aware cloud programming paradigm and platform
- \* Energy-aware cloud services
- \* Energy-efficient cloud architecture
- \* Energy-aware cloud software and middleware
- \* Energy-aware cloud workload scheduling
- \* Energy-aware cloud resource management

#### PROCEEDINGS

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The proceedings of this workshop will be published together with the proceedings of other IGCC '12 workshops by the IEEE Computer Society Press and the IEEE online library.

#### PAPER SUBMISSIONS

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GreenCloud invites submissions of original and unpublished work in the topics directly related to the workshop. Submissions should include abstract, key words, the e-mail address of the corresponding authors. Submissions must not exceed 6 letter-size pages using the IEEE format for conference proceedings. The templates of IEEE format can be found MS-Word here or LaTeX here. Submissions should be made electronically via EasyChair <https://www.easychair.org/conferences/?conf=IGCC12-WS>.

#### IMPORTANT DATES

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Paper submission: March 30, 2012 11:59PM EST  
Author notification: April 30, 2012  
Camera-ready due: May 20th, 2012

WORKSHOP CO-CHAIRS

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PROGRAM COMMITTEE

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