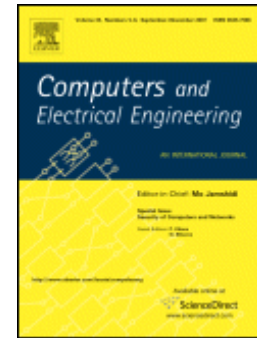


# Computers and Electrical Engineering

## Call for Papers: Special issue on

### *Recent Advanced Technologies and Theories for Grid and Cloud Computing*



Grid and Cloud Computing has emerged rapidly as an exciting new computing paradigm and includes pervasive, personal, and peer-to-peer computing to provide computing and communication services. Tremendous advances in processing, communication and systems/middleware technologies are leading to new paradigms and platforms for grid and cloud computing. Grid and cloud computing enables the sharing of distributed computing and data resources such as processing, networking and storage capacity to create a cohesive resource environment for executing distributed applications in service-oriented computing. There might be many issues to realize and provide intelligent services and much effort and enormous attention have been focused on the cloud and grid computing environments. The research area poses challenges such as virtualization, new systems and tools, middleware technologies, service-oriented architectures and models, cloud/grid security and trustworthy, autonomous and intelligent management, and mobile cloud application and framework.

This Special Issue aims to publish high quality research papers relating to different grid and cloud computing technologies. Topics of interest include, but are not limited to:

- Novel Service-oriented architectures and models
- Seamless on-demand services architecture
- Advanced Auditing in cloud computing
- Secure data management outsourcing
- Trust and policy management in clouds
- New Business and security risk models and clouds
- Advanced systems and tools for Cloud and Grid Computing
- New Middleware technologies for Cloud and Grid Computing
- Advanced Cloud/Grid security and trustworthy for Cloud and Grid Computing
- Autonomous and intelligent management
- New Security modeling and threat
- Secure cloud resource virtualization
- Foundations of cloud-centric threat models
- Advanced Secure identity management
- cloud risk analysis and risk management

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Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Manuscripts should be submitted at Elsevier Editorial System (<http://ees.elsevier.com/compeleceng>). Please mention "CAEE Special Issue Submission" in the subject line of your e-mail. After sending your manuscript, if you do not get a confirmation of receipt of your submission within 2-3 business days, please resend your original e-mail again. A guide for authors for preparing their papers is available at [http://www.elsevier.com/wps/find/journaldescription.cws\\_home/367/authorinstructions](http://www.elsevier.com/wps/find/journaldescription.cws_home/367/authorinstructions). Contributing authors might be asked to review some of the papers submitted to this special issue. To ensure that all manuscripts are correctly identified for inclusion into the special issue, it is important that authors select Special Issue: Grid and Cloud when they reach the "Article Type" step in the submission process.

#### Important Dates:

Manuscript Due: January 31, 2012  
Acceptance Notification: April 30, 2012  
Camera-Ready Final Manuscript Due: June 30, 2012  
Publication Date: January 2013