

# Call for Papers

## CCGrid 2013

MAY 13-16, 2013 • DELFT, THE NETHERLANDS

The 13<sup>th</sup> IEEE/ACM International Symposium on  
Cluster, Cloud and Grid Computing



<http://www.pds.ewi.tudelft.nl/ccgrid2013/>

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### IMPORTANT DATES

Papers Due: 22 November 2012 (extended)  
Author Notifications: 24 January 2013  
Final Papers Due: 22 February 2013

Rapid advances in architectures, networks, and systems and middleware technologies are leading to new concepts in and platforms for computing, ranging from Clusters and Grids to Clouds and Datacenters. CCGrid is a series of very successful conferences, sponsored by the IEEE Computer Society Technical Committee on Scalable Computing (TCSC) and the ACM, with the overarching goal of bringing together international researchers, developers, and users to provide an international forum to present leading research activities and results on a broad range of topics related to these concepts and platforms, and their applications. The conference features keynotes, technical presentations, workshops, tutorials, and posters, as well as the SCALE challenge featuring live demonstrations.

In 2013, CCGrid will come to **the Netherlands** for the first time, and will be held in **Delft, a historical, picturesque city that is less than one hour away from Amsterdam-Schiphol airport**. The main conference will be held on May 14-16 (Tuesday to Thursday), with tutorials and affiliated workshops taking place on May 13 (Monday).

### TOPICS OF INTEREST

CCGrid 2013 will have a focus on important and immediate issues that are significantly influencing all aspects of cluster, cloud and grid computing. Topics of interest include, but are not limited to:

- **Applications and Experiences:** Applications to real and complex problems in science, engineering, business, and society; User studies; Experiences with large-scale deployments, systems, or applications
- **Architecture:** System architectures, design and deployment; Power and cooling; Security and reliability; High availability solutions
- **Autonomic Computing and Cyberinfrastructure:** Self-managed behavior, models and technologies; Autonomic paradigms and systems (control-based, bio-inspired, emergent, etc.); Bio-inspired optimizations and computing
- **Cloud Computing:** Cloud architectures; Software tools and techniques for clouds
- **Multicore and Accelerator-based Computing:** Software and application techniques to utilize multicore architectures and accelerators in clusters, grids, and clouds
- **Performance Modeling and Evaluation:** Performance prediction and modeling; Monitoring and evaluation tools; Analysis of system and application performance; Benchmarks and testbeds
- **Programming Models, Systems, and Fault-Tolerant Computing:** Programming models and environments for cluster, cloud, and grid computing; Fault-tolerant systems, programs and algorithms; Systems software to support efficient computing
- **Scheduling and Resource Management:** Techniques to schedule jobs and resources on cluster, cloud, and grid computing platforms; SLA definition and enforcement

### PAPER SUBMISSION GUIDELINES

Authors are invited to submit papers electronically in PDF format. Submitted manuscripts should be structured as technical papers and may not exceed 8 letter-size (8.5 x 11) pages including figures, tables and references using the IEEE format for conference proceedings:

<http://www.computer.org/portal/web/cscps/formatting>.

Submissions not conforming to these guidelines may be returned without review. Authors should make sure that their file will print on a printer that uses letter-size (8.5 x 11) paper. The official language of the conference is English. All manuscripts will be reviewed and will be judged on correctness, originality, technical strength, significance, quality of presentation, and interest and relevance to the conference attendees.

Submitted papers must represent original unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines will be rejected without review and further action may be taken, including (but not limited to) notifications sent to the heads of the institutions of the authors and sponsors of the conference. Submissions received after the due date, exceeding the page limit, or not appropriately structured may not be considered. Authors may contact the conference chairs for more information. The proceedings will be published through the IEEE Computer Society Press, USA, and will be made available online through the IEEE Digital Library.

### CALL FOR TUTORIAL AND WORKSHOP PROPOSALS

Tutorials and workshops affiliated with CCGrid 2013 will be held on May 13 (Monday). For more information on the tutorials and workshops and for the complete Call for Tutorial and Workshop Proposals, please see the [conference website](#).