12th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2012) Ottawa, Canada
May 13-16, 2012
http://www.cloudbus.org/ccgrid2012

CALL FOR PAPERS

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

In 2012, CCGrid will come to Canada for the first time and will be held in Ottawa, the capital city. CCGrid 2012 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.
- **Autonomic Computing and Cyberinfrastructure:** Self managed behavior, models and technologies; Autonomic paradigms and approaches (control-based, bio-inspired, emergent, etc.); Bio-inspired approaches to management; SLA definition and enforcement;
- **Performance Modeling and Evaluation:** Performance models; Monitoring and evaluation tools, Analysis of system/application performance; Benchmarks and testbeds.
- **Programming Models, Systems, and Fault-Tolerant Computing:** Programming models for cluster, clouds and grid computing; fault tolerant infrastructure and algorithms; systems software to enable efficient computing.
- **Multicore and Accelerator-based Computing:** Software and application techniques to utilize multicore architectures and accelerators/heterogeneous computing systems.
- **Scheduling and Resource Management:** Techniques to schedule jobs and resources on clusters, clouds and grid computing platforms.
- **Cloud Computing:** Cloud architectures; Software tools and techniques for clouds.

PAPER SUBMISSION

Authors are invited to submit papers electronically. 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 (print area of 6-1/2 inches (16.51 cm) wide by 8-7/8 inches (22.51 cm) high, two-column format with columns 3-1/16 inches (7.85 cm) wide with a 3/8 inch (0.81 cm) space between them, single-spaced 10-point Times fully justified text). Submissions not conforming to these guidelines may be returned without review. Authors should submit the manuscript in PDF format and make sure that the file will print on a printer that uses letter size (8.5 x 11) paper. The official language of the meeting 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.

Submission Link:
https://www.easychair.org/account/signin.cgi?conf=ccgrid2012

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IMPORTANT DATES

Papers Due:	25 November 2011
Notification of Acceptance:	30 January 2012
Camera Ready Papers Due:	27 February 2012

Sponsors: IEEE Computer Society (TCSE) & ACM SIGARCH (approval pending)