IEEE/ACM CCGrid 2014
14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing
May 26-29, 2014 -- Chicago, IL, USA

Rapid advances in architectures, networks, and systems and middleware technologies are leading to new concepts and platforms for computing, ranging from Clusters and Grids to Clouds and Datacenters. The 14th Annual IEEE/ACM International Symposium in Cluster, Cloud, and Grid Computing (CCGrid 2014) is a forum bringing together international researchers, developers, and practitioners 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 2014, CCGrid will return to the USA and be held in Chicago, the third largest city in the United States. The main conference will be held on May 27-29, 2014, with tutorials and affiliated workshops taking place on May 26, 2014.

IMPORTANT DATES
Papers Due:	11:59PM, 18 November 2013 Anywhere on Earth
Author Notifications:	24 January 2014
Camera Ready Papers Due:	14 March 2014

TOPICS OF INTEREST
CCGrid 2014 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 and Accelerators**: Design and use of emergent system architectures including but not limited to accelerators; Multicores; 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**: Development, evaluation, and optimization of cloud architectures; Software tools and techniques for clouds
- **Modeling and Evaluation of Performance and Energy:** Prediction, modeling and analysis; Performance tools; Benchmarks and testbeds
- **Programming Models, Systems, and Fault-Tolerant Computing**: Programming models, systems software and environments for cluster, cloud, and grid computing; Fault-tolerant systems, programs and algorithms
- **Scheduling and Resource Management**: Techniques to schedule jobs and resources on cluster, cloud, and grid computing platforms; SLA definition and enforcement
- **Storage and I/O Systems**: System design and optimization for big data processing in cluster and cloud environments

ORGANIZATION
- **General Chairs**
  Xian-He Sun, Illinois Institute of Technology, USA
  Ian T. Foster, University of Chicago & Argonne National Laboratory, USA
- **Program Committee Chair**
  Kirk W. Cameron, Virginia Tech, USA
  Dimitrios S. Nikolopoulos, Queen's University of Belfast, UK

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 10 letter-size (8.5 x 11) pages including all figures, tables and references using the IEEE format for conference proceedings. Submissions not conforming to these guidelines may be returned without review. The official language of the conference is English. All manuscripts will be reviewed and 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 Conference Publishing Services. **The paper submission online system is open** https://www.easychair.org/conferences/?conf=ccgrid2014**.**

CALL FOR TUTORIAL AND WORKSHOP PROPOSALS
Tutorials and workshops affiliated with CCGrid 2014 will be held on May 26, 2014. For more information on the tutorials and workshops, see the Call for Tutorials and Call for Workshops.