



2nd IEEE International Conference on Cloud Computing Technology and Science

Indianapolis, USA, Nov 30 – Dec 3, 2010

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Complete list at Conference website.

“Cloud” is a common metaphor for an Internet accessible infrastructure (e.g. data storage and computing hardware) which is hidden from users. Cloud Computing makes data truly mobile and a user can simply access a chosen cloud with any internet accessible device. In Cloud Computing, IT-related capabilities are provided as services, accessible without requiring detailed knowledge of the underlying technology. Thus, many mature technologies are used as components in Cloud Computing, but still there are many unresolved and open problems. This conference and workshop series, steered by the [Cloud Computing Association](#), aims to bring together researchers who work on cloud computing and related technologies. *Topics include but are not limited to:*

- Auditing, monitoring and scheduling
- Power-aware Profiling, Modeling, and Optimizations
- Scalable Scheduling on Heterogeneous Architectures
- Cloud-based Services and Education
- Novel Programming Models for Large Computing
- Scalable Fault Resilience Techniques for Large Computing
- Integration of Mainframe and Large Systems
- Innovations in IP (esp. Open Source) Systems
- IT Service and Relationship Management
- New and Innovative Pedagogical Approaches
- MapReduce/Hadoop development
- Middleware frameworks
- Optimal deployment configuration
- Load balancing
- Consistency models
- Peer to peer computing
- Autonomic Computing
- Data grid & Semantic web
- Cloud /Grid architecture
- Security and Risk
- Software as a Service (SaaS)
- Utility computing
- Virtualization technologies
- Web services
- Fault tolerance and reliability
- Hardware as a Service (HaaS)
- High-performance computing

Call for Workshops: Proposals for workshops are welcome

Accepted papers will appear in the conference proceedings. The conference and workshop proceedings will be published by IEEE. Page limits are 8 pages for full papers and 4 pages for short papers of IEEE proceeding style. Extended and revised versions of distinguished papers will be invited for possible publication in a special issue of the Journals:

- [Personal and Ubiquitous Computing Journal](#) (Springer, SCI-indexed)
- [Concurrency and Computation: Practice and Experience Journal](#) (Wiley, SCI-indexed)
- [Journal of Supercomputing](#) (pending, Springer, SCI-indexed)
- [International Journal of Cloud Computing](#) (IJCC, InderScience)

Keynote Speaker

Ian T. Foster, Director, CI, Distinguished Fellow, Argonne National Laboratory, IL, USA

Dennis Gannon, Director of Applications for the Cloud Computing Futures Group, Microsoft Research, WA, USA

Kai Wang, Prof. IEEE Fellow, Director, Internet and Grid Comp. Lab., USC, USA

Tutorials

[MapReduce/Hadoop](#) Tutorial sponsored by Yahoo

[Cloud Computing with Windows Azure](#) Tutorial sponsored by Microsoft

Important dates

- Submission deadline: ~~Aug. 20th, 2010~~ **Sept. 5th, 2010**
- Author notification: ~~Sept. 15th, 2010~~ **Sept. 20th, 2010**
- Camera-ready manuscript: Oct. 1st, 2010
- Author registration: Oct. 1st, 2010
- Poster/Demo/Exhibition: Sept. 15th, 2010
- Poster/Demo/Exhibition Notification: Step. 22nd, 2010

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