

CALL FOR PAPERS



5th International Workshop on Content Delivery Networks (CDN 2010)

to take place during

10th IEEE/ACM International Symposium on
Cluster, Cloud and Grid Computing (CCGrid 2010)
17-20 May 2010, Melbourne, Australia



We are in the midst of an Internet computing revolution. One vision of 21st century computing is that users will access Internet services and “resource-hungry” applications (e.g., gaming, streaming media etc.) over lightweight portable devices rather than through some descendant of the traditional desktop PCs. In this context, distributing and processing Internet-based data in an efficient and cost-effective manner is a challenging issue in Internet technology. Content Delivery Networks (CDNs) have emerged to address this challenge by offering infrastructure and mechanisms to deliver content and services in a scalable manner. Nevertheless, modern applications do not just perform retrieval or access operation on content, but also create, modify and manage content, and actively place them at appropriate locations. To deal with such new requirements, more general Content Networks (CNs) are being introduced. Design and implementation of robust and efficient CNs in large-scale computing environments demand for the use of emerging paradigms and software technologies, such as Peer-to-Peer, Grid and the latest IT trend—Cloud computing. The integration of these emerging technologies in content delivery opens new perspectives in Internet technologies, raising new issues in the architecture, design and implementation of existing CDNs.

Areas of interest

CDN 2010 is intended as a forum for lively discussion of aggressively innovative and potentially disruptive ideas in all aspects of CDNs. The main theme of this full day workshop is “Content Delivery in the Cloud”. CDN 2010 will capture new research trends and results in terms of design, architecture, and applications for content and service delivery in the Internet and Clouds; optimization for Cloud-based content delivery; and performance measurement methodologies. Position papers will be strongly favored. Specifically, the areas of interest are the following (but are not limited):

- Cloud/Grid/P2P/Agent-based Content delivery and management on the Internet
- Software-as-a-Service (SaaS) applications
- Service-Level Agreements (SLAs), business models and service pricing
- Content distribution internetworking scenarios, architectures and methodologies
- Cross-platform interoperability
- Performance of application and service delivery in the Cloud
- Scalable, self-managing and autonomic Content Delivery Clouds
- Privacy, security, ownership and reliability issues

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Web Site and contact email for inquiries

<http://www.cloudbus.org/cdn/2010>
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Submission Guidelines

Original papers from the above-mentioned or other related areas will be considered. Please submit full papers: 6 pages maximum in IEEE CS proceedings style. Papers can be electronically submitted using the link specified in the workshop site. Each submission will be reviewed by at least 3 members of the Program Committee.

Publication and Journal Special Issue

The workshop proceedings will be published by IEEE/ACM and distributed at the CCGrid 2010 conference. Selected papers will be invited to a special issue of an international journal.

Important Dates

5 December 2009: Submission of Papers
11 January 2010: Notification of Acceptance/ Rejection
25 January 2010: Submission of Camera-Ready Copies
17 May 2010: Workshop Takes Place