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International Workshop on
Advanced Architectures and Algorithms
for Internet Delivery and Applications

AAIDEA 2005

CREATE-NET



Advanced Architectures and Algorithms for Internet Delivery and Applications

June 15, 2005 - Orlando, Florida

co-sponsored by  IEEE

<http://aaa-idea.org>

Call for Papers

Innovations in content delivery systems continue to have strong impact on our world, resulting in a surge of research interest in both content delivery applications and the web/network infrastructure that supports novel applications based on Internet. Scalability issues pose a number of challenging problems to solve for both applications and the underlying infrastructure. Accesses to multimedia and QoS sensitive services through a large variety of Internet devices require guaranteed performance, resource availability and proximity of content to the network access points. While exact load and resource characterization in the open Internet environment is difficult to attain, some forms of performance assurance are highly desirable, specially in the face of large uncertainty. There is a number of open research challenges in optimizing and improving content delivery mechanisms and support for delivered content.

The goal of this one-day workshop is to bring together researchers, developers, web service providers, application and network designers from academia and industry to exchange ideas about the problems they are facing and to discuss recent and innovative solutions. Topics of interest to this workshop include (but are not limited to) performance studies and solutions (algorithms, protocols, architectures) that tend to improve experience of users of services and applications based on Internet.

Workshop Topics

Content delivery systems
P2P architectures
Caching and replication
IPv6 impact
Quality of service
SLA-based services
Security
Streaming media

Protocols for Web-based systems
Reliability & high availability
Performance measurement and monitoring tools
Workload analysis and characterization
Traffic monitoring and billing strategies
Scalable and adaptive web-based system
Content adaptation and transcoding
Mobility management

Paper Submission

We encourage full papers that present well-developed research results (up to 8 pages double column, including figures and references), but also short papers that are more speculative in nature, works in progress and position papers are solicited (up to 5 pages double column, including figures and references). All submissions should be sent electronically in Postscript or Adobe PDF format. Electronic submission instructions are available at the workshop site. The electronic submission is available at EDAS: (<http://www.edas.info>). Accepted papers will be published in the workshop proceedings.

Important Dates

Submission deadline:	March 15, 2005
Notification of acceptance:	April 15, 2005
Camera ready due:	April 30, 2005

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