

CALL FOR PAPERS

First International Conference on Cloud Computing

October 19 – 21, 2009, Munich, Germany

URL: www.cloudcomp.eu

Theme

Cloud Computing is defined as a pool of virtualized computer resources. Based on this virtualization the Cloud Computing paradigm allows workloads to be deployed and scaled-out quickly through the rapid provisioning of virtual machines or physical machines. A Cloud Computing platform supports redundant, self-recovering, highly scalable programming models that allow workloads to recover from many inevitable hardware/software failures and monitoring resource use in real time for providing physical and virtual servers on which the applications can run. A Cloud Computing platform is more than a collection of computer resources because it provides a mechanism to manage those resources. In a Cloud Computing platform software is migrating from the desktop into the "clouds" of the Internet, promising users anytime, anywhere access to their programs and data. What challenges does it presents to users, programmers, and telecommunications providers? The goal of this Cloud Computing Symposium series is to provide a forum for researchers and practitioners to discuss all aspects of Cloud Computing. All topics of design, theory and realization are of interest.

The Cloud Computing conference is sponsored by ICST (A non-profit Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering), European Union; International Research Institute on Autonomic Network Computing (IRIANC), Munich, Germany ; CreateNet Research Consortium, Trento, Italy;

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I. Chlamtac, CreateNet Research Consortium, Trento, Italy

D. Avresky, International Research Institute on Autonomic Network Computing (IRIANC), Munich, Germany

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D. Avresky, IRIANC, Munich, Germany

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Program Co-Chair of Cloud Computing Infrastructure track:

M. Diaz, LAAS, CNRS, Toulouse, France

Program Co-Chairs of Scalable, Self-managing and Autonomic Cloud Computing platforms track:

B. Ciciani, University of Roma, Italy

A. Bode, Technical University of Munich, Germany

Program Co-Chair of Cloud Computing Applications track:

E. Dekel, IBM Research Laboratory in Haifa

Cloud Computing Symposium Tracks

Cloud Computing Infrastructure

-Operating Systems;

-Distributed Infrastructure;

-Kernel-Exchange Modules;

-Basic Services;

-Control Services;

-Distributed Composite Services;

-Application Exchange Modules;

Scalable, Self-managing and Autonomic Cloud Computing platforms

- Dynamic instantiation,

dynamic composition,

dynamic configuration,

dynamic reconfiguration of

- Vertically scaling platforms;

- Self-managing platforms;

- Self-configuration and adaptation of Cloud Computing platforms

services;
- Horizontally scaling platforms;

in response to anomalies
of the run-time environment.

Cloud Computing Applications

- E-Commerce, Media processing and Streaming
Search Engines, Development and Testing,
Web Hosting, Application hosting, Collaboration
tools, Store and Share, Social networking for
businesses and Web applications, bio-informatics,
biomedical applications.

Program Committee

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All manuscripts must be written in English and must not exceed 20 single column double-spaced pages (inclusive of figures and tables using a font size of at least 12 points) describing original unpublished research. The papers must be submitted in PDF format electronically via the Symposium webpage www.cloudcomp.eu by **August 24, 2009**. All papers will be reviewed.

Furthermore, **work in progress papers, industrial papers and student papers** are also allowed.

The submission website is opened.

Notification of authors: **September 1, 2009**

Camera-ready papers: **September 10, 2009**

The Proceedings of Cloudcomp 2009 will be published in LNICST, appear in SpringerLink and will be referenced in ICST's digital library, the European Union Digital Library (EUDL).