Highlights:

- The event is endorsed by the European Alliance for Innovation, a leading community-based organisation devoted to the advancement of innovation in the field of ICT;
- All accepted papers will be published by Springer and made available through SpringerLink Digital Library, one of the world's largest scientific libraries;
- Proceedings will be submitted for indexing by Google Scholar, ISI, EI Compendex, Scopus and many more.

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IMPORTANT DATES

Workshops proposals deadline: **13th April, 2012**
Paper submission due: **8th June, 2012**
Notification of acceptance: **2nd July, 2012**

Scope: Cloud Computing, which is envisioned to change the IT landscape, is consumer/delivery model where IT capabilities are offered as services billed based on usage. Examples of cloud services include, but are not limited to, IaaS (Infrastructure-as-a-Service), PaaS (Platform-as-a-Service) and SaaS (Software-as-a-Service).

The underlying cloud architecture includes a pool of virtualized compute, storage and networking resources that can be aggregated and launched as platforms to run workloads and satisfy their Service-Level Agreement (SLA). Cloud architectures also include provisions to best guarantee service delivery for clients and at the same time optimize efficiency of resources of providers. Examples of provisions include, but are not limited to, elasticity through up/down scaling of resources to track workload behavior, extensive monitoring, failure mitigation, and energy optimizations. The two main technologies enabling clouds are: (i) Virtualization, the foundation of clouds; and (ii) manageability (autonomics), the command and control of clouds.

CloudComp is intended to bring together researchers, developers, and industry professionals to discuss recent advances and experiences in clouds, cloud computing and related ecosystems and business support. The conference also aims at presenting the recent advances, experiences and results obtained in the wider area of cloud computing, giving users and researchers equally a chance to gain better insight into the capabilities and limitations of current cloud systems.

Topics: CloudComp will offer a chance to cloud providers to promote and display their current systems. To that end, papers are solicited from all cloud related areas, including, but not limited to:

• Cloud architectures & provisions to optimize providers' environments while guaranteeing clients' SLAs

• Programming models, applications and middleware suitable for dynamic cloud environments

• End-to-end techniques for autonomic management of cloud resources including monitoring, asset management, process automation and others

• Cloud delivery models, models' optimizations and associated architectural changes

• Cloud economic and billing models • Green ICT and Clouds – theory, practice and experiences

• Cloud security, privacy and compliance challenges

• Toolkits, frameworks and processes to enable clouds and allow seamless transitions from traditional IT environments to clouds

• Experiences with existing cloud infrastructure, services and uses

• Novel human interfaces and browsers for accessing clouds

• Interaction of mobile computing, mCommerce and Clouds

• Standardisation activity in Clouds – proposals and experiences

• Experiences on clouds in various vertical sectors (e.g., eScience and industry), where the concept worked/didnotwork.

• Clouds Adaptability

Workshop proposals

The CloudComp 2012 conference caters for a limited number of workshops on dedicated session topics. Such topics may be, but are not limited to

- Cloud Security
- Cloud Programming models
- High Performance Clouds
- New Cloud Business Models

A proposal to organise a workshop should include the following information: (1) the title of the workshop, (2) name, affiliation and contact details of the organiser, (3) an abstract of no more than one page describing the aims of the workshop and the motivation for holding it and participating to it (target audience), (4) a workshop chair and a tentative list of participants / speakers, (5) the expected duration of the workshop. Workshop sessions are expected to last 90-120 minutes, but a workshop may comprise multiple sessions.

For submission instructions, please check the conference website.

Paper submission: Papers should be no more than 10000 words or 10 pages in length. Submissions will be reviewed anonymously by at least 3 reviewers. Papers will be judged on originality, correctness, clarity and relevance. Submitted papers must be original work, and may not be under consideration for another conference or journal. Submission of the paper implies agreement of the author(s) to attend the conference and present the paper if accepted. Complete formatting and submission instructions for papers and workshops proposals can be found on the conference web site http://cloudcomp.eu/2012/show/initial-submission

Conference organizing committee

General Chair
Keith Jeffery Science and Technology Facilities Council Rutherford Appleton UK
TPC Chairs
Lutz Schubert High performance computing centre Stuttgart, Germany
Mazin Yousif, Head of Architecture (RDS), T-Systems, International

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About EAI

The European Alliance for Innovation is a dynamic eco-system for fostering ICT enabled innovation to improve European competitiveness and to benefit society. EAI uses open e-platforms to inspire grassroots collaboration among all relevant actors, from organizations to individuals, to stimulate community driven innovation to its institutional and individual members worldwide. Join the innovation community at www.eai.eu