

8th IEEE/ACM International Conference on Utility and Cloud Computing

December 07-10, 2015 – St. Raphael Resort, Limassol, Cyprus

GENERAL INFORMATION

Cloud Computing promises to deliver computational resources on demand as services that are commoditised and delivered as in traditional utilities such as electricity, gas, water and telephony. Utility with Cloud services can already be achieved for compute, storage and communication resources but also for hosted software and data. UCC is the premier IEEE/ACM conference covering all areas related to Cloud Computing as a Utility. There is also increasing interest from commercial providers to offer business and revenue models around the services they offer. Understanding how these models could be used to provide utility for both users, intermediary brokers (aggregators) and providers will also be of interest for this conference.

This will be the 8th UCC in a successful conference series. Previous events were held in Shanghai, China (Cloud 2009), Melbourne, Australia (Cloud 2010 & UCC 2011), Chennai, India (UCC 2010), Chicago, USA (UCC 2012), Dresden, Germany (UCC 2013) and London, UK (UCC 2014). UCC 2015 happens while cloud providers worldwide add new services and increase utility at an accelerated pace and is therefore of high relevance for both academic and industrial research.

CALL FOR WORKSHOPS

Proposal Requirements

Proposals for workshops should be no more than 2 pages in length. This should contain the following information.

- (1) Title and brief technical description of the workshop, specifying the goals and the technical issues that will be the focus of the workshop.
- (2) A brief description of why and to whom the workshop is of interest.
- (3) A list of related workshops or similar events held in the last 3 years, or to be held in 2015.
- (4) The names and contact information (web page, email address) of the proposed technical program committee. This committee should consist of at least 10 people knowledgeable about the technical issues to be addressed and preferably not more than two members of the same institution. Ideally, there should also be two organizers from distinct institutions.
- (5) A description of the qualifications of the organizers (who would be the Workshop Chairs) with respect to organizing this workshop. This can include papers published in the proposed topic area, previous workshop organization, and other relevant information.

Responsibilities

Workshop chair(s) will be responsible for the following:

- (1) Producing a web page and a "Call for Papers/Participation" for their workshop. The URL should be sent to the UCC Workshops chairs. The call must make it clear that the workshop is open to all members of the Cloud, Big Data, Grid and Cluster Computing community. It should mention that at least one author of each accepted submission must attend the workshop and that all workshop participants must pay the UCC 2015 workshop day registration fee or the conference fee. The CfP should make it clear that the registration of at least one author requires the full (non-student, non-workshop) rate.
- (2) Ensure that all workshop papers are a maximum of 6 pages in length (in IEEE format). It is the responsibility of the workshop organizers to ensure that this page limit has been adhered to. Additional pages may be purchased (in some circumstances) subject to approval by the proceedings chair.
- (3) Provide a brief description of the workshop for the conference web page and program.
- (4) Selecting the participants and the format of the workshop. The publication of proceedings will be by the IEEE in the same volume as the main conference. The acceptance notification (by workshop chairs) therefore should be the same as "conference paper acceptance" notification (i.e. the dates should be the same). All other details can be up to workshop organizers to set.
- (5) Advertising the workshop beyond the conference web page.
- (6) Assistance in producing a camera-ready version of the workshop proceedings.

IMPORTANT NOTES

- (1) If the workshop is too small (i.e. does not attract enough submissions) the UCC 2015 Organizing Committee may decide to merge that workshop with another. So we encourage workshop organizers to attract a large community. In extreme situations we may also cancel workshops if there are not enough submissions.
- (2) Workshop organizers must ensure that suitable quality measures have been taken to ensure that the accepted papers are of high quality. All papers must be reviewed by an International Technical Program Committee with a minimum of 3 reviews per paper. The workshop organizers should also try to observe an acceptance rate that is no higher than 50%.
- (3) Unless indicated on the UCC website, there will be no travel support and no registration discounts for authors and organizers.
- (4) Workshops are not automatically endorsed by IEEE or ACM and should not use the names of these organisations in their titles.

The UCC 2015 Conference Organizing Committee will be responsible for the following:

- Providing a link to a workshop's local page.
- Providing logistics support and a meeting place for the workshop.
- In conjunction with the organizers, determining the workshop date and time.
- Providing copies of the workshop proceedings to attendees.

TOPICS OF INTEREST

- Big Data and Analytics
- Principles and theoretical foundations of Utility Computing, including pricing and service models
- Policy languages and Programming models
- Utility driven model and mechanisms for Cloud federations
- Autonomic techniques for Clouds and Cloud applications
- Utility-driven platforms for Clouds
- Architectural models to achieve Utility in Clouds
- Designs and deployment models for Clouds: private, public, hybrid, federated, aggregated
- Cloud Computing middleware, stacks, tools, delivery networks and services at all layers (XaaS)
- Virtualization and containerization technologies and other enablers
- Economic models and scenarios of use
- Scalability and resource management: brokering, scheduling, capacity planning, parallelism and elasticity, as well as marketplaces
- Cloud management: autonomic, adaptive, self-*, SLAs, performance models and monitoring
- Applications: games, social networks, scientific computing (e-science) and business, and personal data analytics
- Mobile and energy-efficient use of Clouds
- Beyond technology: Cloud business and legal implications, such as security, privacy, trust and jurisdiction especially in Utility contexts

COMMITTEES

General Chairs

- Ashiq Anjum, University of Derby, UK
- George Papadopoulos, University of Cyprus

Program Committee Chairs

- Manish Parashar, Rutgers University, US
- Omer Rana, Cardiff University, UK

Standards/Plug-fest Chair

- Alan Sill, Texas Tech, USA & Open Grid Forum

Workshops Chairs

- İlkay Altıntaş, SDSC, USA
- Josef Spillner, TU Dresden, Germany

Tutorials Chairs

- Ewa Deelman, USC, USA
- Rafael Tolosana, Univ. of Zaragoza, Spain

Posters Chair

- Khalid Elgazzar, Queen's University, Kingston, Canada

PhD Symposium Chair

- Kenneth Johnson, Auckland University of Technology, New Zealand

Cloud Challenge 2015 Chair

- Ian Taylor, Cardiff University, UK

Industry Chair

- Achilleas Achilleos, University of Cyprus, Cyprus

Proceedings Chairs

- Nick Antonopoulos, University of Derby, UK
- George Palis, University of Cyprus, Cyprus

Publicity Chair

- Georgia Kapitsaki, University of Cyprus, Cyprus

IMPORTANT DATES

Workshop Proposals Due: 8 May, 2015

Notification of Acceptance: 22 May, 2015

URL of Workshop: 5 June, 2015

Camera-ready & Registration: 21 September, 2015

Workshops: 7-10 December, 2015

CONTACT

Workshop proposals and any enquiries should be sent by e-mail to the workshops chairs:

- İlkay Altıntaş - altintas@sdsc.edu

- Josef Spillner - josef.spillner@tu-dresden.de

Proposals should be submitted as PDF files.

Academic Matters

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Organisational Matters

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