

UCC 2014

7th IEEE/ACM International Conference on Utility and Cloud Computing

December 8-11, 2014, London, UK

<http://computing.derby.ac.uk/ucc2014/>

Context and Scope

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 model 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 7th 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), and Dresden, Germany (UCC2013). UCC 2014 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.

<p>Topics of interest include:</p> <ul style="list-style-type: none"> • Big Data and Analytics • Principles and theoretical foundations of Utility Computing, including pricing and service models • Policy languages and Programming models • 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) • Virtualisation technologies and other enablers 	<ul style="list-style-type: none"> • 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 • 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
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Important Dates

Tutorials Proposals: ~~18 July, 2014~~ 15 August, 2014 (Extended Deadline)

Paper Submissions Due: ~~18 July, 2014~~ 5 August, 2014 (Extended Deadline)

Notification of Acceptance: 29 August, 2014

Early Registration Deadline: 29 September, 2014

Paper Submission

Authors are invited to submit papers electronically through [EasyChair](#). Manuscripts may not exceed 10 letter size (8.5 x 11) pages including figures, tables and references using the IEEE format for conference proceedings (print area of 6-1/2 inches (16.51 cm) wide by 8-7/8 inches (22.51 cm) high, two-column format with a 3/8 inch (0.81 cm) space between them, single-spaced 10-point Times fully justified text). Submitted papers must represent original unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines will be rejected without review and further action may be taken, including (but not limited to) notifications sent to the heads of the institutions of the authors and sponsors of the conference. The proceedings will be published by the IEEE Computer Society, USA, and will be made available online through the IEEE Digital Library.

Chairs and Committees

<p>Conference Co-Chairs Nikos Antonopoulos, University of Derby, UK Omer F. Rana, Cardiff University, UK</p> <p>Programme Committee Co-Chairs Shrideep Pallickara, Colorado State University, USA Chunming Rong, University of Stavanger, Norway</p>	<p>Organising Chair Ashiq Anjum, University of Derby, UK (a.anjum@derby.ac.uk)</p> <p>Workshops Chair Josef Spillner, TU Dresden, Germany</p> <p>Publications Chairs Rajkumar Buyya, University of Melbourne, Australia Nik Bessis, University of Derby, UK Lee Gillam, University of Surrey, UK</p>
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Workshops

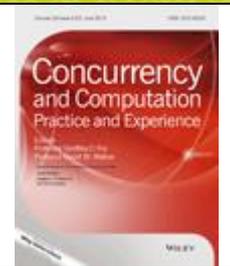
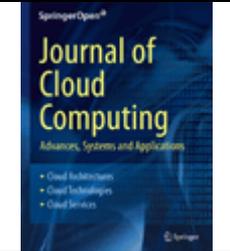
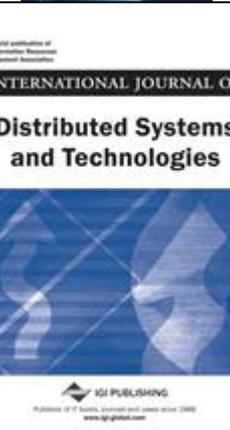
We encourage high quality workshops from the community, which relate to one or more of the topics identified above. Individuals interested in organising a workshop are encouraged to consult the separate Call for Workshops.

Venue

UCC 2014 will take place in the **Hilton London Paddington**, in the centre of the lively capital of United Kingdom.

Special Issues

Selected papers from the conference will be invited to submit an extended version to the following journals. Papers will be selected based on their reviewers' scores and appropriateness to the Journal's theme. All extended versions will undergo reviews and must represent original unpublished research work. Further details will be made available at a later stage.

	<p><u>IEEE Transactions on Cloud Computing</u></p>
	<p><u>Future Generation Computer Systems</u></p>
	<p><u>Concurrency and Computation: Practice and Experience</u></p>
	<p><u>Journal of Cloud Computing: Advances, Systems and Applications</u></p>
	<p><u>International Journal of Distributed Systems and Technologies (IJDSST)</u></p>