

CALL FOR PAPERS

International Workshop on Cloud Computing for Research Collaborations (CRC2012)

Taipei, Taiwan, December 03-06, 2012

In conjunction with the 3th IEEE international conference on cloud computing technology and science (IEEE CloudCom 2012 @ <http://2012.cloudcom.org/>)

Scope and Topics

Data-handling problems, complexity, and expensive or unavailable computational solutions to research problems are major issues in research data management and analysis. Traditional laboratory-hosted servers in a distributed architecture for research information sharing and analysis is expensive (e.g. a great deal of IT maintenance cost) and lower efficiency (e.g. difficulty in integration of diverse software and hardware).

Cloud computing refers to an on-demand self-service Internet infrastructure that enables the user to access computing resources anytime from anywhere. Many previous studies showed that the research community, especially consortiums that share data and applications, can take advantage of the new computing paradigm. Several informatics innovations also have demonstrated that cloud computing has the potential to overcome research data management and analysis issues.

The objective of this multidisciplinary workshop is to gather both researchers and practitioners to discuss methodological, technical and organizational aspects of cloud computing based technologies used for research collaboration.

Papers describing original research on both theoretical and practical aspects of Cloud Computing for research collaborations are solicited

Topics include, but are not limited to:

- Methodologies, Architecture and Tools for cloud-based research collaborations
- Case study on cloud-based research collaborations
- e-Science
- Big Data Analytics
- Revenue analysis on cloud-based research collaborations
- International differences in relevant regulations including data security and privacy (e.g. jurisdiction issues for data sharing)
- Handling cultural resistance (i.e. organizational inertia) for cloud-based research collaborations
- Data interoperability among research parties and cloud providers
- Higher assurance clouds for research collaborations (e.g. virtual private clouds etc)

- Multi-provider cloud resources federation (e.g. data, applications, processing, memory, logs etc)
- Methods for pseudo-anonymising and data integration in cloud-based data warehouses
- Effects of different forms of breach reporting on security
- End-to-end data confidentiality in the cloud and beyond
- Forensics and evidence gathering mechanisms.
- Incident handling (e.g. monitoring and traceability)

Workshop Organisers

Chair

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Paper submission instructions

This workshop will only accept for review original papers that have not been previously published. Papers should be formatted based on the IEEE Transactions journals and conferences style; maximum allowed camera-ready paper length is six (6) pages.

Submissions must be in Adobe PDF format, including text, figures and references. Please use the following submission site to submit your paper(s):

<https://www.easychair.org/account/signin.cgi?conf=crc2012>

Accepted papers will be published in the Cludom2012 proceedings (EI indexed), for further information see IEEE CloudCom 2012 web page <http://2012.cloudcom.org>.

Important Dates

Extended Abstract Submission (2 pages): August 1, 2012

Full Paper Submissions (max 6 Pages): August 17, 2012

Notification: September 11, 2012

Camera ready: September 28, 2012

Author registration: September 28, 2012

Review procedure

All submitted paper will be reviewed by international program committee.

Technical Program Committee

- Borycki Elizabeth, Associate Professor, School of Health Information Science, University of Victoria, BC, Canada.
- Demchenko Yuri, Advanced Internet Research Group, University of Amsterdam, The Netherlands
- Feng Zhiyong, Professor, Department of Computer Science, Tianjin University, China
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- Yue Chuan, Assistant Professor, Department of Computer Science, University of Colorado, USA.
- Wu Chingseh (Mike), Assistant Professor, Department of Computer Science & Engineering, Oakland University, USA