

CALL FOR PAPERS

1st ASWEC Workshop on Software Engineering for the Cloud (OzCloudSE-2013)

Co-located with Australian Software Engineering Conference ASWEC 2013

Swinburne University of Technology, Melbourne, Australia

June 4, 2013

<http://aswec2013.ict.swin.edu.au>

Important Dates

Submissions: March 7, 2013

Notification: April 7, 2013

Camera Ready: April 15, 2013

Workshop Date: June 4, 2013

Paper Submission

Paper submissions should be formatted according to the IEEE conference standard (double-column format with a font size 10 pt). Each paper is strictly limited to 8 pages in length.

Submissions should represent original, substantive research results. Electronic paper submission is via

<https://www.easychair.org/conferences/?conf=OzCloudSE-2013>

Accepted papers will be published on-line as open access. Copyright will remain with authors and revisions of presented papers may be submitted for publication to other venues. Depending on the number of submissions and accepted position papers, we may seek to offer a follow-up special issue of a suitable journal for major extensions to selected papers.

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Cloud computing has become a popular new approach to IT for many organisations, large and small. Cloud computing uses a pay-as-you-go payment model where organisations lease IT infrastructure and sometimes applications for their needs, ramping up or down capacity as they need and paying for only what they use.

However, engineering complex applications to leverage cloud platforms with elasticity and multi-tenancy concepts is very challenging. A number of problems arise from the adoption of the cloud computing model that are more difficult to overcome than for conventional application software engineering. These include requirements engineering (where clients are often unknown); security engineering (where requirements are often unclear and potential threats unknown); composition (where deployment environment and other applications are often unknown); and evolution and maintenance (where users, requirements, security and deployment environment all may vary over the lifetime of the system).

This workshop OzCloudSE-2013 brings together cloud software engineering researchers to discuss ongoing research efforts targeting one or more of software engineering challenges for cloud computing.

Topics

We seek workshop papers on any aspect of research or practice in software engineering for cloud computing applications. Papers may address one or more areas including, but not limited to:

- Project management for cloud computing application development
- Requirements engineering for cloud computing applications
- Software architecture for and using the cloud computing model.
- Security engineering of cloud applications.
- Deployment, maintenance and evolution issues of cloud computing applications.
- Building and testing cloud applications.
- Software engineering issues relating to migration to the cloud.
- QOS management for cloud applications.
- Security engineering for cloud applications.
- Successful or unsuccessful industrial experiences with cloud computing applications capturing important lessons learned