

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2017+Special>

Please select Track Preference as **FAST-CCS**

Special track
FAST-CCS: Find A Solution To Cloud Cyber Security

Chair and Coordinator:

Dr. Bob Duncan, University of Aberdeen, UK

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along with

CLOUD COMPUTING 2017, February 19 - 23, 2017 - Athens, Greece

The Eighth International Conference on Cloud Computing, GRIDs, and Virtualization

<http://www.iaria.org/conferences2017/CLOUDCOMPUTING17.html>

Cyber security of information systems is an ongoing challenge. Due to the multi-tenancy arrangement of cloud services, this challenge is much more difficult. The cloud computing paradigm has been around for over a decade, during which time we have yet to see a comprehensive security and privacy standard being suggested, let alone adopted. While there are many security and privacy frameworks being developed and implemented, none offers a complete security and privacy solution. Given the number of systems now dependent on cloud implementations, including the rapidly evolving Internet of Things (IoT) and Big Data, this is rather concerning. Consider also that legislative and regulatory bodies have woken up to the adverse impact of security and privacy breaches on companies, individuals and society as a whole, and their willingness to now levy ever higher punitive fines on companies who suffer such breaches, it is really time for companies to start taking cloud cyber security much more seriously.

Cloud presents some particularly challenging features, often resulting in a lack of understanding as to what is needed to protect cloud assets. Often, secure corporate software is implemented on a cloud platform, yet companies forget that the solid corporate firewall does not extend to the cloud environment on which the corporate software is running, resulting in unexpected exposure to increased threat levels. Accountability from all the actors involved in cloud ecosystems is not particularly high, often aided by Machiavellian service level agreements. The cloud service provider may well take a robust attitude to vetting all staff, but this level of rigor may not apply to sub contractors. The threat environment is often not well understood by companies, sometimes resulting in a far less robust approach to the risks involved.

Given the range of threats presented, the frequency of attacks, and the serious impact of successful breaches, we believe it is time for a more comprehensive approach. While there are many excellent technical solutions already proposed, there is clearly no complete solution yet in existence. We believe the time has come to consider a more comprehensive approach to solving this problem. We, therefore, solicit both academic, research, and industrial contributions. We welcome technical papers presenting research and practical results, position papers addressing the pros and cons of specific proposals, such as those being discussed in the standard fora or in industry consortia, survey papers addressing the key problems and solutions on any of the above topics short papers on work in progress, and panel proposals.

Topics of interest include, but are not limited to, the following

- Cloud security
- Cloud privacy
- Cloud forensics
- Cloud accountability
- Cloud risk
- Cloud threat environment
- Cloud insider threat
- Cloud database issues, such as lack of immutability and poor security
- Cloud standards weaknesses
- Cloud audit issues

Important Datelines

- Inform the Chair: As soon as authors decided to submit and secured the financial support
- Submission: January 15
- Notification: January 25
- Registration: February 5
- Camera ready: February 8

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

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