

Call for Contributions

Submission:

1. Inform the Chairs: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=VALID+2018+Special>

Please select Track Preference as **FT-SCDA**

Special track

FT-SCDA: Fault Tolerance of Service-centric Distributed Applications on Multiple Cloud Infrastructure Stacks

Chair and Coordinator

Libero Maesano, Simple Engineering, CEO, France

libero.maesano@simple-eng.com

along with

VALID 2018, The Tenth International Conference on Advances in System Testing and Validation Lifecycle

October 14, 2018 to October 18, 2018 - Nice, France

<http://www.aria.org/conferences2018/VALID18.html>

Fault tolerance was once quartered in critical systems and high-risk sectors. Nowadays, more and more cross-organizational, economic, and societal infrastructures, formerly controlled by people, are driven by multi-cloud distributed applications without human intermediation. The dependability and fault tolerance of these modern applications are not options anymore. Cloud infrastructures bring virtualization, job scheduling, and programmable usage of computing, storage, and network resources on abundant but unreliable hardware. Dependability and runtime healing (fault tolerance) are necessarily software-implemented. How can engineers without any special skills in critical systems develop - design, program, test, and verify - and operate - configure, setup, deploy, and supervise - dependable and adaptable multi-cloud distributed applications?

This special track is devoted to

- Methods, techniques, and tools for robustness and fault tolerance test and verification (at Dev time)
- Runtime failure and fault detection, prediction, recovery, and repair (at Ops time), of dependable and adaptable distributed applications deployed on multiple cloud infrastructure stacks.

Important Deadlines

- Inform the Chair (see Contacts below): as soon as you decide to contribute
- Submission: **June 28 September 5**
- Notification: **July 28 September 20**
- Registration: **August 11 September 30**
- Camera ready: **August 22 September 30**

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.aria.org]

- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos/Tools: 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.ariajournals.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>

Contacts

Chair: Libero Maesano, libero.maesano@simple-eng.com

VALID logistics: steve@aria.org