Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SOFTENG+2017+Special
Please select Track Preference as **ADIDSE**

Special track

ADIDSE: Advancements in Data-Intensive Distributed Systems Engineering

Chair and Coordinator

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along with
SOFTENG 2017, April 23 - 27, 2017 - Venice, Italy
The Third International Conference on Advances and Trends in Software Engineering
http://www.iaria.org/conferences2017/SOFTENG17.html

The advent of the IoT (Internet of Things), by forecasts, is going to bring 40 Billion connected devices by 2020. Such an enormous fleet of smart devices is going to produce an unprecedented volume of data which will challenge the capabilities of today's data-intensive distributed systems: scenarios like hundreds of millions of devices concurrently interacting (at the machine speed) with specific Internet Services shall be almost the norm.

The current state of the art in the data-intensive distribute systems is going to be revisited to accommodate this likely explosion in the data to be processed, but first moved reliably: paradigms like Fog Computing, as well as Statistical Aggregation/Compression have been envisaged to solve the first mile problem (i.e., reducing the volume of data flowing from the Edge, with which Devices normally interact). Data still lives into data centers, and most of the time the processing on it is implemented there as well; they are collection points in which completeness can be assumed.

Today's message buses, as well as processing pipelines and databases are not going to be suited anymore to accommodate data flowing into the infrastructure which is generated at the machine speed.

Advancements in techniques, architectures, algorithms, as well as ancillary novelties are envisaged to accommodate the above said challenges. This special track is going to focus on the engineering efforts which are going to enable the processing/computation, as well as movement of the foreseen extraordinary volumes of data.

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

- Reliable and Timely Message-passing Infrastructures
- Ultra-scalable Database Technologies
- Distributed Data-intensive Processing Infrastructures
- Data Compression/Aggregation Techniques
- Distributed Data Processing Algorithms

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ March 15
- Notification with comments for camera-ready: ~~February 20~~ March 22
- Registration: ~~March 5~~ April 1
- Camera ready: ~~March 15~~ April 1

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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