

Call for Contributions

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

2. Submission URL:

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

Please select Track Preference as **DosNet**

Special track

DosNet: Design of Sensor Networks

Chair and Coordinator: Prof. Dr. Paulo de Souza, Data61 | CSIRO, Australia

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along with

ALLSENSORS 2018, The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing

<http://www.iaria.org/conferences2018/ALLSENSORS18.html>

The special track aims at covering concepts, state of the art, research, standards, implementation practices, experiments, applications and industrial case studies that applied design of sensor networks. Sensor network design is a response to one or more of the following questions:

- How many sensors are needed for the network to achieve its purpose?
- Where these sensor nodes should be located?
- How frequently sensor data should be acquired? How frequently transmitted, integrated into models or made public?
- How long the sensor network should be operated?
- How to estimate and minimize costs of sensor network deployment?

Common practice is to design a sensor network not considering sensor data quality depreciation or sensor node failure. The topic should also cover solutions for these conditions which will cover Quality Assurance and Quality Control (QA/QC) frameworks, optimization of robustness with minimal redundancy.

Topics include, but not limited to:

- Design,
- Optimization techniques,
- QA/QC,
- Sensor data quality,
- Sensor-model integration,
- Metadata for sensor networks,
- Data provenance,
- Purpose and re-purpose of sensor data,
- Calibration,
- Maintenance,
- Sensor network deployment,
- Biofouling,
- Fixed and mobile sensor networks,
- Communication/energy budget/embedded system solutions,
- Remote sensing,

- Data interpolation,
- Observing systems.

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

- Inform the Chair: *As soon as you decided to contribute*
- Submission: December 7, 2017
- Notification: January 12, 2018
- Registration: January 26, 2018
- Camera ready: February 5, 2018

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

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

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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.iaia.org/registration.html>

Contact

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