

Call for Contributions for

Submission:

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

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=EMERGING+2019+Special>

Please select Track Preference as **SPIPMO**

Special track

SPIPMO: Advanced Techniques of Signal Processing with Application in Operating and Monitoring the Industrial Processes

Chairs and Coordinators

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along with

EMERGING 2019, the Eleventh International Conference on Emerging Networks and Systems Intelligence
September 22, 2019 to September 26, 2019 - Porto, Portugal
<http://www.aria.org/conferences2019/EMERGING19.html>

The main objective of the special track is given by the advances techniques of signal processing with application in operating and monitoring of industrial processes, mainly oriented on Change Detection and Diagnosis (CDD), an important research area with specific needs and successful applications in industry, medicine, biology, and social process.

Statistical and advanced signal processing methods based on mathematical transforms are expected to offers higher performances and more flexibility in monitoring and diagnosing of various processes. So, the track intends to promote some advanced techniques for CDD, based on signal processing paradigm, such as Blind Source Separation (BSS), Time-Frequency Analysis (TFA), information based processing (Renyi entropy, etc.), with application on some important and wide spread industrial processes and equipments, as vibration processes, biological wastewater treatment processes, automotive systems, structure monitoring, failure detection in controlled systems, etc.

Topics include, but not limited to:

- Change detection and diagnosis (CDD)
- Advanced techniques and architecture for CDD
- Advanced signal processing methods and algorithms for CDD
- Industrial application in CDD area

Important Datelines

Inform the Chair: As soon as you decide to contribute

Submission: July 26, 2019

Notification: August 16, 2019

Registration: August 26, 2019

Camera-ready: August 26, 2019

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

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]

Paper Format

- See: <http://www.iaia.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

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>

Contacts

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