

# Call for Contributions

## Submission:

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

2. **Submission URL:**

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

Please select Track Preference as **MAIS**

## Special track

### MAIS: Machine Learning Algorithms in Image and Signal Processing

#### Chair and Coordinator:

Prof. Dr.-Ing. Michael Huebner, Chair for Embedded Systems of the Information Technology (ESIT), Faculty for Electrical Engineering and Information Technology, Ruhr-University Bochum, Germany

[Michael.Huebner@ruhr-uni-bochum.de](mailto:Michael.Huebner@ruhr-uni-bochum.de)

along with

**PESARO 2018**, The Eighth International Conference on Performance, Safety and Robustness in Complex Systems and Applications

April 22, 2018 to April 26, 2018 - Athens, Greece

<http://www.iaria.org/conferences2018/PESARO18.html>

Machine learning algorithms are currently a hot topic in research and development for academic and industrial teams. The roots of these algorithms reach even back to the seventeenth century where Bayes theorems were published. However, since this time, changes in the application domains as well as the target hardware platforms have led to an increased interest in these techniques. Domains like automotive, process automation etc. reach out for these methods and already deploy systems exploiting machine algorithms, e.g., for image processing and scene analysis. This means, machine learning met the Embedded System domain where almost endless possibilities for the deployment of these algorithms can be found. Trends like the Internet of Things and Cyber-physical Systems even underline the demand of these novel techniques.

**Prospective authors** are invited to submit original papers on topics including, but not limited to:

- Machine learning
- Image processing
- Signal processing
- Reconfigurable hardware
- Deep learning
- Automotive safety
- Cyber-physical Systems

#### Important Datelines

- Inform the Chairs: As soon as you decided to contribute
- Submission: ~~January 17, 2018~~ **February 28, 2018**
- Notification: ~~February 22, 2018~~ **March 5, 2018**
- Registration: ~~March 8, 2018~~ **March 10, 2018**
- Camera ready: ~~March 15, 2018~~ **March 20, 2018**

*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](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **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**

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

Please select Track Preference as **MAIS**

### **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**

Chair: Prof. Dr.-Ing. Michael Huebner, [Michael.Huebner@ruhr-uni-bochum.de](mailto:Michael.Huebner@ruhr-uni-bochum.de)

PESARO Logistics: [steve@iaia.org](mailto:steve@iaia.org)