

## Call for Contributions

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

**Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ALLSENSORS+2017+Special>

Please select Track Preference as **GASENSORS**

Special track

### **GASENSORS: Gas Sensors-based Applications**

Chair and Coordinator:

Maître de Conférences / Lecturer Dr. Sandrine Bernardini,

Aix-Marseille Université- IM2NP - Institut Matériaux Microélectronique - site de St Jérôme - Marseille, France

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along with

ALLSENSORS 2017, March 19 - 23, 2017 - Nice, France

The Second International Conference on Advances in Sensors, Actuators, Metering and Sensing

<http://www.iaria.org/conferences2017/ALLSENSORS17.html>

Human activities involve the use or manufacture dangerous substances as toxic gases. Therefore, the need of gas sensors is growing up and plays an important role in various applications: health, environment, safety, agriculture, and product monitoring. This track session will focus on main applications.

We welcomed technical papers presenting research and practical results on the **following subtopics:**

**Gas sensors for ambient (outdoor) air quality monitoring:** Control of air pollution is a critical issue with an increasing number of acute air pollution episodes in many cities worldwide. It increases the risk of respiratory infections, heart disease, stroke and lung cancer. More severe impacts affect people who are already ill.

**Gas sensors for household air quality monitoring:** People in Europe and North America spend more than 80% of their time indoors. Environmental Protection Agency study found that indoor air quality is on average 2 to 5 times worse than outdoor air quality. Household air pollution (HAP) from the inefficient combustion of solid fuels (i.e., wood, coal, charcoal, crop waste, dung) is the leading environmental risk factor for death and disability in the world. Exposure to household air pollution is associated with a wide range of child and adult disease outcomes.

**Gas sensors for medical diagnostics:** Gas sensors could be used in the diagnosis of diseases. Gas analysis of human expiration provides important information on the state and functioning of different human organs, detection of some pathologic states or exacerbation of chronic diseases.

**Gas sensors in Agriculture and industrial product quality control** Quality control of industrial products has been gaining importance since the enforcement of ISO 9000. The gaseous components evaporating from products (food, beverage, etc.) are an indicator for judging during a quality control process. Gas sensors can also give information about animal or plant diseases and product contaminations.

## Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ **February 10**
- Notification with comments for camera-ready: ~~February 5~~ **February 20**
- Registration: ~~February 20~~ **March 1**
- Camera ready: ~~February 25~~ **March 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.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=ALLSENSORS+2017+Special>

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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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