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 **ENT**

Special track

ENT: Electronic Noses and Tongues

Chair and Coordinator: Assoc. Prof. Dr. Takeshi Onodera, Faculty of Information Science and Electrical Engineering, Kyushu University, Japan
onodera@ed.kyushu-u.ac.jp

along with

ALLSENSORS 2018,
The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing
http://www.iaria.org/conferences2018/ALLSENSORS18.html

Biological olfaction and gustation are capable of detecting a variety of chemical substances present in a gas or liquid phase. More than 30 years ago, a new class of chemical sensing devices emerged, known as electronic or artificial olfaction or gustation. This biomimetic technology utilizes arrays of non-specific sensors or electrodes that are different to the highly selective sensors with strong affinity between target molecules and the sensing bio-material, such as enzyme or antibody.

The electronic olfaction or gustation systems can recognize, identify and quantify gaseous or liquid target samples using statistical analysis methods. Progress in nanomaterials and computer sciences has been further accelerating development of the technology. Recent years brought an increasing expectation/need for a mobile device equipped with electronic nose and/or tongue technology. I believe all the researchers taking part in this special track of ALL Sensors 2018 Conference have a potential to make a major breakthrough in development of the next generation of electronic noses and tongues.

Topics include, but not limited to:

- Electronic nose and electronic tongue systems for evaluation of food, beverages, flavors, aromas, biomarkers (etc.)
- Multi-variate analysis, machine learning, deep learning, artificial intelligence for analysis of electronic noses and electronic tongues data
- Highly sensitive and selective chemical sensors and biosensors for detection of toxic substances, explosives, low-molecular weight biomarkers
- Novel transducers for odor and taste sensing

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]

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.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

Contact
Chair: Takeshi Onodera, onodera@ed.kyushu-u.ac.jp
Logistics: steve@iaria.org