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Advanced Micro- and Nano-Gas Sensors Materials, Devices and Applications

Guest Editors:

Prof. Dr. Takeshi Hashishin

Faculty of Advanced Science and Technology, Kumamoto University, 2-39-1 Kurokami, Chuo-ku, Kumamoto 860-8555, Japan

Prof. Dr. Dzung Viet Dao

Mechatronics Engineering Program, School of Engineering and Built Environment, Griffith University, Parklands Drive, Southport, QLD 4222, Australia

Deadline for manuscript submissions:

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Message from the Guest Editors

This Special Issue deals with the advanced content of micro/nano-sized material development for gas sensors and device development for its application. Specifically, this issue is focused on the following research topics: (1) morphological and structural control of nano- and micro-sized materials with 1-dimensional wire, 2-dimensional sheet, and 3-dimensional hierarchical structure; (2) fabrication of device electrodes using MEMS and NEMS; (3) gas sensing properties for ppb–ppm gases and selective gas detection using the techniques (1) and (2); (4) methane emission control and environmental monitoring rooted in low environmental load; and (5) medical applications such as healthcare.

All researchers conducting research in the area of “Advanced Micro- and Nano-Gas Sensor Materials, Devices, and Applications” and who have results that contribute to the further development of the field are invited to participate in our project. You can contribute both original research papers and reviews to this Special Issue.



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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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