

Special Issue

Clean Air: Gas Sensing for Combustion-Based Energy Technology and Exhaust Gas Aftertreatment

Message from the Guest Editor

Under the energy technology dominate discussions all over the world due to the recent situation of war and climate change. Even most private end users now ask about sustainable energy sources for heat or transportation. Combustion-based processes will play its role in kind of biomass use but also with climate neutral synthetic fuels. Effectiveness of combustion in all these sectors mostly depends on reliable and long-term stable sensors for harsh environments.

Furthermore, novel concepts in energy technology will demand sensors for facility safety. This special issue should follow the idea of “Clean Air” and highlight all aspects of sensors in that field. It could comprise the whole spectra from findings concerning robustness of established gas sensors in future applications to novel ideas and sensors concepts for future energy technology. Potential topics include but are not limited to:

- Gas sensors for energetic biomass use
- Gas sensors for future combustion engines
- Sensors for exhaust gas aftertreatment
- Particle / Soot Sensors
- Functional materials
- Gas sensor mechanism
- Modelling of Gas sensors

Guest Editor

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Deadline for manuscript submissions

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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