



*sensors*



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## Gas Sensors - 2010

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Deadline for manuscript  
submissions:

**closed (31 December 2010)**

### Message from the Guest Editor

Dear Colleagues,

The science and development of gas sensors continues to be a vivid field of research. Recent advances in chemical synthesis and microfabrication provide us with new sensing materials and novel devices with substantially enhanced properties. At the same time, fundamental knowledge about sensing mechanisms has greatly improved by sound theoretical models as well as in situ spectroscopic studies. This special issue on “gas sensors” aims to cover all various aspects, such as (but not limited to) the preparation of functional materials and micro-fabricated systems for gas sensing, new insights in gas-sensing mechanisms, and the large number of different types of gas-sensing principles (resistive, mechanical, capacitive, *etc.*).

Prof. Dr. Michael Tiemann  
*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

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