



Einladung zum Vortrag von

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„Graphene and 2D Materials Based Gas Sensors”

The application of graphene for gas sensing has recently become a new, fast growing area of interest. Graphene has tremendous potential for developing gas and vapour sensors. This is in part due to the fact that each atom in the structure interacts directly with the sensing environment, and in part due to how easily the electronic properties of graphene can be modified by this interaction. Graphene and related materials can potentially be combined with different transducers, such as: conductometric, Surface Acoustic Waves (SAW), Schottky diodes, mass sensitive, field effect transistors, optical, as well as ones based on measuring noise spectra. Such combination yields new generation of sensitive, reversible and stable gas and vapour sensors providing a range of advantages. Target analytes include NO₂, CO, CO₂, SO₂, H₂, NH₃, CH₄, VOC and H₂O.

Freitag, 02. September 2016, 10:00 Uhr
Seminarraum 1 der Fakultät für Chemie
Währinger Straße 38, 1090 Wien

Peter Lieberzeit
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Bernhard Keppler
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