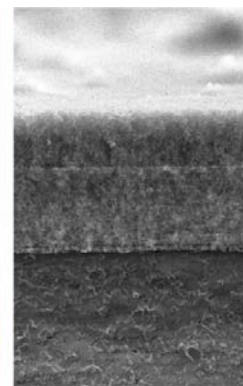


3rd GOSPEL Workshop: Gas sensors based on semiconducting metal oxides – new directions

Hotel Stadt Tübingen, Tübingen, Germany
30 November - 1 December 2009



The workshop is the third in a series of Gospel workshops (www.gospel-network.org) and will be organized by the newly founded International Society for Olfaction and Chemical Sensing (ISOCS, www.olfactionsociety.org)

The goal of the workshop is to provide an opportunity for a thorough discussion among experts on the most important developments in the field of semiconducting metal oxide based gas sensors.

We aim to bring together academia and industry and help the latter identify which of the new developments are the most relevant to it. Now, after decades of R&D effort, we see that gas sensors are used in a host of applications, that companies are commercializing millions of devices each year and that the number of related publications is increasing. But there is also the feeling that many fundamental issues are still poorly understood and that we need breakthroughs in both materials and transducer technologies to be able to solve new applications. We hope that the workshop will contribute to the progress in the field by identifying the most appropriate targets for the future research activities and by facilitating access of industry to significant, newly-created knowledge.

The workshop will start on the 30th of November, in the morning and will end in the late afternoon of the 1st of December in order to allow convenient travel arrangements.

Tentative list of invited speakers:

Noboru Ishibashi/Kazunari Kaneyasu, Figaro Engineering, Japan
Development and application of semiconductor gas sensor using MEMS technology

Prof. Kengo Shimano, Kyushu University, Japan
Material design based on wet process for highly sensitive semiconductor gas sensors

Prof. Lutz Maedler, University of Bremen, Germany
Route to selectivity: FSP multi-layered MOX films

Dr. Olaf Kiesewetter, UST GmbH, Germany
Participation to be confirmed

Prof. Hyung-Gi Byun, Kangwon National University, Korea
Intelligent sensor system for non-invasive health care monitoring

Prof. Jong-Heun Lee, Korea University, Korea
Gas Sensors using Hierarchical and Hollow Oxide Nanostructures

Ingo Freund, Micronas GmbH, Germany
Title to be announced

Dr. Heiko Ulmer, AppliedSensor, Germany
New applications and development trends for micro-machined MOS gas sensors

Programme

The workshop aims at providing plenty of discussion time around what we think are, currently, the most important topics: advances in technology for both transducers and already established sensitive materials; new materials; and new application fields. Accordingly, there will be three oral sessions running one after the other:

- Advances in technology
- Beyond tin oxide
- New application fields

For each of the sessions there will be 2 to 3 invited contributions provided by renowned experts from the industry and academia. Besides them, there will be additional oral contributions selected from the submitted ones.

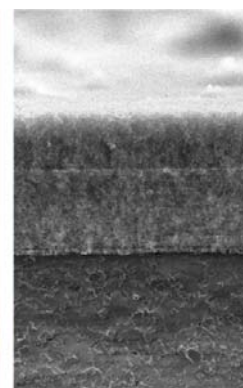
Thorough discussions will be encouraged by providing enough time after each presentation. In the evening of the 30th of November, a poster session will be organized. Owing to the submissions and suggestions from the participants, it will be possible to organize a panel discussion around one of the most interesting topics.

an ISOCS event



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Location

The workshop will be held at the "*Hotel Stadt Tübingen*" in Tübingen, the geographical centre of Baden-Württemberg. For details about the hotel, please have a look at: www.hotel-stadt-tuebingen.de.
The hotel offers excellent conference facilities.

Tübingen is extremely easy to reach from the Stuttgart Airport (25 minutes drive), which is connected with all major European airports

Participation

The attendance is limited to a maximum of 50 participants. In the case in which the demand will be higher, the selection – for non-authors – will be made on a first come, first served basis.

Registration and abstract submission

The registration is opened until the **15th of November 2009**; *please use the online registration form*.

Two-page abstracts should be submitted until the **1st of October, 2009** at gssmo2009@ipc.uni-tuebingen.de

The confirmation of acceptance will be provided until the **15th of October, 2009**.

Costs & Hotel arrangement

The participation fee is **390€** (for ISOCS members **320€**). It includes registration fee, lunch and coffee breaks on both days and dinner on the 30th of November.

Deadline for payment is **20th of November 2009**

We already booked a number of hotel rooms for two nights (the 29th and the 30th of November) at a very good price; the reservations will be made together with your registration (automatically, after the acceptance).

Further information:

You can email gssmo2009@ipc.uni-tuebingen.de with any queries about logistics or the workshop organizers for enquiries about the programme and content.

an **ISOCS** event

