

# 5th Symposium on Vacuum based Science and Technology

in conjunction with the  
9th Annual Meeting  
of the German Vacuum Society – DVG



**Kaiserslautern, Germany  
September 28-30, 2010**



[www.vakuumgesellschaft.de](http://www.vakuumgesellschaft.de)



## Meeting Format

The conference topics will be addressed by invited talks given by internationally recognized scientists. Additionally a special workshop on „Photovoltaics“ with two invited speakers is organised together with the German Society of Plasmatechnology DGPT and is part of the symposium program. Another highlight will be the Award Ceremony of the Rudolf-Jaeckel-Prize with the laureate talk. Contributed papers can be presented in oral or poster form. For online submission of abstracts please visit the conference webpage at [www.vakuumgesellschaft.de](http://www.vakuumgesellschaft.de).

- The conference language is English.

## Fees Symposium / Tutorial

- Non Members ..... **350,- €**
- Members of the organising Societies ..... **300,- €**
- Students ..... **150,- €**
- Accompanying person (social event) ..... **75,- €**
- Single Day (no proceedings volume) ..... **100,- €**

Registration before May 1, 2010: 25,- € reduction of the meeting fee.  
The fees include lunch, coffee breaks, visiting tours and social events, book of abstracts and proceedings volume.

- Tutorial ..... **500,- €**
- Participants SVST5/AOAF16 or Members .. **400,- €**
- Students ..... **200,- €**

## Important Dates

Submission of abstracts:	Juni 15, 2010
Notification of acceptance:	July 15, 2010
Early bird registration (reduced fee)	May 1, 2010
Final registration / payment:	August 15, 2010

## Proceedings

The conference contributions will be published as regular articles in a special issue of an international journal. The papers will be subjected to the normal peer reviewing procedure of the journal.

## Accommodation

Pre-reservations have been made in various hotels in the city of Kaiserslautern and the near surroundings. For booking please use the keyword „DVG“. A detailed hotel list can be found on the internet-page of the conference.

## Industry Exhibition

A large number of well known manufacturers and sales companies of equipment, products and materials related to all areas of vacuum based science, technology and applications participate in the industry exhibition on Tuesday and Wednesday September 28-29. They will also present short oral contributions during the conference.



## Visiting Tours and Social Events

A get-together will be held in the evening of Monday September 27. On Wednesday September 29, a visit to the historical city of Trier will be combined with the conference dinner on the Mosel-Ship „MS-Princesse Marie-Astrid“. Trier is a former Roman metropolis located on the Mosel about 100 km away from Kaiserslautern. As the oldest town of Germany 'Augusta Treverorum' it is impressingly shaped by the roman era.



For interested participants a guided tour through the research facilities of the Institute for Surface and Thin Film Analysis IFOS will be offered.

## Tutorial on Surface Analysis

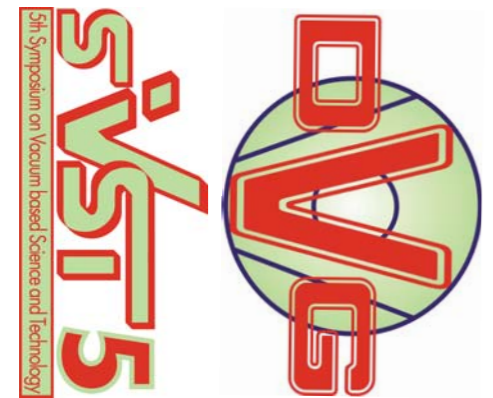
Before the conference the German Vacuum Society DVG organises together with the IFOS Kaiserslautern a special tutorial on „Fundamentals of Surface Analysis“ on Friday and Saturday, September 24-25. It addresses beginners and refreshers of this topic and is intended to provide basic knowledge on the background of vacuum based surface analysis techniques. The tutorial is held in German. For more details see the symposium homepage.



**Registration 5th Symposium on Vacuum based Science and Technology**

Please detach this registrationcard and return it within a panel envelope or fax at: +49 (0) 631-20573-3003

5th Symposium on Vacuum based Science and Technology  
**German Vacuum Society - DVG**  
c/o Institut für Oberflächen- und Schichtanalytik IFOS GmbH  
Trippstadter Straße 120  
67663 Kaiserslautern  
Deutschland



## About the Symposium

SVST5 is organised by the Vacuum Societies of Germany, Poland and Sweden and is intended to provide a forum for the presentation and exchange of expertise and recent results on the scientific and technical areas within the common scope of the societies. It continues a series of annual meetings on Vacuum based Science and Technology which was started in 2002 by the DVG in order to foster the cooperation between the European Vacuum Societies by transnational conferences.

The meeting is combined with an industry exhibition of equipment and materials related to vacuum based technologies and for vacuum production.

## Meeting Topics

The scope of the meeting comprises

- Plasma Physics and Technique
- Applied Surface Science and Surface Technology
- Thin Films and Coatings
- Characterisation of Surfaces and Thin Films
- Bio-compatible Surfaces
- Nanocomposite Coatings
- Nanostructures and Nanotechnology
- Vacuum Science, Technique and Trends

## Vacuum meets Surface

The 5th Symposium on Vacuum based Science and Technology SVST5 will be combined with the 16th Working Conference on Applied Surface Analysis AOFA16 which is held in Kaiserslautern partly in parallel from September 26 to September 29. The conference language of the AOFA is German with some English contributions.

Each conference opens its sessions to the participants of the other one without extra costs. Also the industry exhibition, the conference dinner und the excursion will be held together.

## Venue and Date

SVST5 takes place from Tuesday September 28 to Thursday September 30 at the Fraunhofer Center in Kaiserslautern. The Fraunhofer Center is close to the campus of the TU Kaiserslautern and the IFOS. Kaiserslautern is a university city with history and flair, located in the Palatinate Forest and easy to reach by express trains and the Autobahnen A6 and A63.

## Invited Speakers



September 28-30, 2010

- Jens **Birch** (Linköping University, Schweden)  
Tailoring of Multilayer X-ray Mirrors
- Franz **Giessibl** (University Regensburg, Germany)  
Recent progress in Atomic Force Microscopy
- Marek **Godlewski** (Polish Acad. of Sciences Warsaw, Poland)  
New oxidic materials by ALD for 3D-Electronics
- Oleg **Malyshev** (Daresbury Sc. and Innovation Campus, UK)  
Non-evaporable getter coatings for UHV/XHV
- Lothar **Schäfer** (Fraunhofer IST Braunschweig, Germany)  
Large area diamond and silicon-based coatings by hot wire CVD
- Jurgen **Smet** (MPI for Solid State Res. Stuttgart, Germany)  
Marvelous prospects for graphene
- Jörg **Wrachtrup** (University Stuttgart, Germany)  
Quantum Diamonds
- **Workshop on Photovoltaics**
- Arno **Smets** (Delft University of Technology, Netherlands)  
Plasma processing of silicon films for photovoltaic applications
- Bernd **Szyska** (Fraunhofer IST Braunschweig, Germany)  
The challenge of oxide electronics – an overview



September 27-29, 2010

- Martin **Aeschlimann** (TU Kaiserslautern, Germany)  
Zeitaufgelöste Photoelektronenspektroskopie
- Gerd **Bachmann** (VDI Düsseldorf, Germany)  
Nanoanalytik im Rahmen der Technologieförderung
- Didier **Blavette** (Université de Rouen, France)  
3D Atom Probe Tomography
- Ingmar **Bruder** (BASF SE Ludwigshafen, Germany)  
Organische Solarzellen
- Yves **Caudano** (Université de Namur, Belgium)  
Nonlinear optical spectroscopy at surfaces
- Andreas **Leson** (Fraunhofer IWS Dresden, Germany)  
Analytik in der Tribologie
- Jörg **Raabe** (Paul Scherrer Institut PSI Villigen, Schwiss)  
NanoXAS – Mikrospektroskopie
- Kálmán **Vad** (Institute of Nuclear Research HAS, Hungary)  
High resolution Depth Profiling of nanoscaled layer systems

## Conference Chair

**Hans Oechsner**

Technical University of Kaiserslautern and  
Institut für Oberflächen- und Schichtanalytik IFOS

Trippstadter Straße 120

67663 Kaiserslautern (Germany)

phone: +49 (0) 631-205-73-3111

fax: +49 (0) 631-205-73-3003

e-mail: oechsner@ifos.uni-kl.de

## Local Organisation

**German Vacuum Society - DVG**

c/o Institut für Oberflächen- und  
Schichtanalytik IFOS GmbH

Trippstadter Straße 120

67663 Kaiserslautern



• Contact Person

**Michael Wahl**

phone: +49 (0) 631-205-73-3333

fax: +49 (0) 631-205-73-3003

e-mail: wahl@ifos.uni-kl.de

• Conference Office

**Silvia Christoffel**

phone: +49 (0) 631-205-73-4444

fax: +49 (0) 631-205-73-3003

e-mail: dvg@ifos.uni-kl.de

[www.vakuumgesellschaft.de](http://www.vakuumgesellschaft.de)

## Scientific and Program Committee

- U. Bergner, Jena, DE
- R. Berndt, Kiel, DE
- D. Grützmacher, Jülich, DE
- W. Gulbiński, Koszalin, PL
- S. Hałas, Lublin, PL
- W. Jitschin, Gießen-Friedberg, DE
- A. von Keudell, Bochum, DE
- J. Kirschner, Halle, DE
- M. Kopnarski, Kaiserslautern, DE
- K.H. Müller, Soest, DE
- W. Precht, Koszalin, PL
- F. Richter, Chemnitz, DE
- M. Szymoński, Kraków, PL
- J. Szuber, Gliwice, PL
- L. Westerberg, Upsala, SWE
- D. Zahn, Chemnitz, DE

## Societies

- **German Vacuum Society** (DVG) [www.vakuumgesellschaft.de](http://www.vakuumgesellschaft.de)
- **German Society for Plasmatechnology** (DGPT) [www.dgpt.eu](http://www.dgpt.eu)
- **Polish Vacuum Society** (PTP) [www.ptp.pwr.wroc.pl](http://www.ptp.pwr.wroc.pl)
- **Swedish Vacuum Society** (SVS) [www.svs.sp.se](http://www.svs.sp.se)
- **International Union for Vacuum Science, Technique and Applications** (IUVSTA) [www.iuvsta.org](http://www.iuvsta.org)

## Registration

- Last Name: \_\_\_\_\_
- First Name: \_\_\_\_\_
- Titel: \_\_\_\_\_
- Organisation: \_\_\_\_\_
- Department: \_\_\_\_\_
- Address, Street: \_\_\_\_\_
- Zip code: \_\_\_\_\_
- City: \_\_\_\_\_
- Country: \_\_\_\_\_
- Phone: \_\_\_\_\_
- Fax: \_\_\_\_\_
- E-mail: \_\_\_\_\_

## Fees / Status

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Society: \_\_\_\_\_
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- Tutorium . . . . . **500,- €**
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  - Students . . . . . **200,- €**

Informations about the terms of payment please see the home-page.

## Attendance

- I attend the Symposium with a contributed paper
  - as an oral presentation
  - as a poster presentationpreliminary titel: \_\_\_\_\_
- I am an invited speaker
- I attend the Symposium without a contribution
- I attend the Tutorial

