

## REGISTRATION

### Late and on-site registration

<http://gec-registration.bochum-tourismus.de/>

The registration fee for regular participants is 600 EUR per person. The reduced fee for students and retirees is 300 EUR per person. The workshop fee is 30 EUR.

## ACCOMMODATION

Room contingents in different hotels are pre-reserved for conference participants. Please check the webpage [www.gec2016.de/hotels](http://www.gec2016.de/hotels) for further information.

## SPECIAL EVENTS

<http://www.gec2016.de/events/index.html.en>  
(free of charge)

- Monday: Opening Reception
- Tuesday: Exclusive Planetarium Show
- Tuesday/Wednesday: Plasma Lab Tours
- Wednesday/Thursday: RUB Botanical Garden / Chinese Garden Tours
- Thursday: Conference Banquet & Reception (and guided tours)
- Art Exhibition and Antique Collection

## ORGANIZING COMMITTEE

Uwe Czarnetzki (Chair)  
Dirk Luggenhölscher (Vice-Chair)  
Susanne Hentrich (Organization)  
Verena M. Scharf (Organization)

## SPONSORS

### GOLD SPONSORS

- Deutsche Forschungsgemeinschaft (DFG)
- National Science Foundation (US)
- Robeko, Magpuls, Plasus
- Tokyo Electron, Inc.
- Sandia National Laboratories and the Department of Energy / DOE (US)

### SILVER SPONSORS

- LAM Research Corporation
- Applied Materials, Inc.

### BRONZE SPONSORS

- Menlo Systems GmbH

## EXHIBITORS

- Andor / LOT
- barthel HF-Technik GmbH
- Edwards
- Hidden Analytics
- Impedans
- Inficon
- Institute of Physics (IOP)
- neoplas, neoplas control, neoplas tools
- Pfeiffer
- Plasmetrex
- PLASUS / Robeko / Magpuls
- Quantemol
- Radiant Dyes Laser Acc. GmbH
- Roper Scientific
- Sirah Lasertechnik GmbH
- Springer EPJD
- Toptica
- Zurich Instruments

## GEC-69 OFFICE

Research Department  
„Plasmas with Complex Interactions“  
Building NABF 05/692  
Universitätsstraße 150 | D-44801 Bochum

Fon +49 (0)234 32-26218

[gec2016@rub.de](mailto:gec2016@rub.de)  
[www.gec2016.de](http://www.gec2016.de)



69th ANNUAL GASEOUS  
ELECTRONICS CONFERENCE

Final Announcement

October 10-14, 2016

Ruhr-Universität Bochum  
Germany

► [www.gec2016.de](http://www.gec2016.de)

Gold Sponsors



robeko

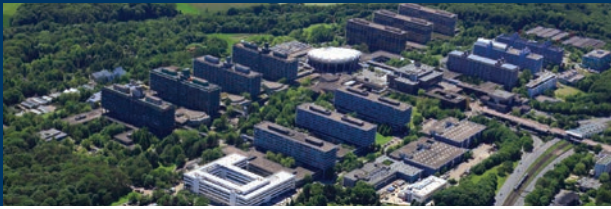


PLASUS



TEL





## GENERAL INFORMATION

The 69th GEC will be hosted by Ruhr-Universität Bochum October 10-14, 2016. Located in the midst of the dynamic, hospitable metropolitan area of the Ruhr, in the heart of Europe, the Ruhr-Universität Bochum (RUB) with its 20 faculties, RUB's disciplinary institutional units, is home to 5,600 employees and over 41,000 students from 130 countries. All the great scientific disciplines are united on one compact campus.

## TOPICS

For 68 years, the GEC has been an invaluable resource to the plasma and collision community, and continues to have a leadership presence in traditional areas such as plasma phenomena, low pressure processes, plasma chemistry, surface interactions, atomic and molecular interactions, simulation, and diagnostics. In recent years, the GEC has also taken a leadership role in emerging areas of plasma science including biological and environmental applications and atmospheric plasma systems. The GEC-69 will consist of a series of oral sessions (composed of both invited and contributed papers), poster sessions and arranged sessions on selected topics (workshops on Monday). Sessions will be organized around coherent subjects in order to facilitate useful discussions and focus on appropriate solutions to problems.

## PROGRAM

Detailed information including the APS epitome, local maps, updates etc. can be found on the conference webpage [www.gec2016.de](http://www.gec2016.de)

[http://meetings.aps.org/Meeting/GEC16/APS\\_epitome](http://meetings.aps.org/Meeting/GEC16/APS_epitome)

### MONDAY:

08:00 - 18:00 Registration

Workshop 1, 13:00 - 17:30: Future Challenges in Plasma Physics, Uwe Czarnetzki et al.

Workshop 2, 11:00 - 17:00: Plasma Kinetics, Toshiaki Makabe et al.

Workshop 3, 11:00 - 17:00: Pulsed high power plasmas for the synthesis of nanostructured thin films, Peter Awakowicz et al.

Workshop 4, 10:00 - 17:30: Plasma-chemistry to electrify the chemical industry, Richard van de Sanden, David Graves et al.

18:00 - 20:00 Welcome Reception, Music Rawsome Delights

### TUESDAY:

08:30 - 17:30 Talks GEC 2016

17:30 - 19:30 Poster sessions, Audimax Foyer

19:30 - 20:30 Four lab tours at RUB: Institute for Physics of reactive plasma & Research Group Coupled Plasma-Solid State Systems, Institute for Plasma and Atomic Physics, Institute for Electrical Engineering and Plasma Technology, Research Group Biomedical Applications of Plasmas

20:00 Exclusive show for the GEC in the Planetarium Bochum: "Time Travel - From the Big Bang to Humankind"

### WEDNESDAY:

08:30 - 10:00 Talks GEC 2016

10:30 - 11:30 Foundation talk at Audimax: Zoltan Donko: "Playing with charged particles: a way to understand kinetic effects in transport and in low-temperature plasmas"

11:30 - 12:00 Group photo

12:00 - 13:00 GEC Business Meeting

13:45 - 14:45 Guided Tour Botanical / Chinese Garden

14:15 - 14:45 Klais Organ concert, Audimax

15:00 - 17:00 Talks

17:00 - 19:00 Poster sessions

18:00 - 23:00 GEC ExCom Meeting

19:00 - 20:00 Lab tours at RUB

19:00 - 21:00 LXCat workshop

### THURSDAY:

08:30 - 12:30 Talks GEC 2016

12:45 - 13:45 Guided Tour Botanical /Chinese Garden

14:00 - 17:30 Talks GEC 2016

19:00 Conference Dinner at Henrichs Hattingen with Triton Jazzband

### FRIDAY:

8:30 - 12:30 Talks GEC 2016

### FOUNDATION TALK

The Will Allis Prize Talk has been postponed to the 70th GEC 2017 in Pittsburgh, because the recipient, Klaus Bartschat, is unable to attend this year's conference. The Foundation Talk, regularly scheduled for 2017, is now moved to this year and will be given by Zoltan Donko.

