

# 3<sup>rd</sup> International Workshop on Infrared Plasma Spectroscopy Greifswald, Germany, July 23 - July 25 2008

## Dear Colleagues,

With this final announcement, we would like to give you some more detailed information on the 3<sup>rd</sup> International Workshop on Infrared Plasma Spectroscopy 2008 (IPS 2008). The workshop is organized by the INP Greifswald in cooperation with the Institute of Physics (IfP) of the University of Greifswald and will be held from Wednesday, July 23 to Friday, July 25, 2008 in the INP in Greifswald, Germany.



Organized by the INP Greifswald and IfP, University of Greifswald

## Scientific Program

The 2008 International Workshop on Infrared Plasma Spectroscopy will be the 3<sup>rd</sup> in a series of successful short annual meetings and will bring together specialists from different places who are applying spectroscopic methods in the infrared spectral region to investigate the Physics and Chemistry of gas discharges. This is an important and fruitful opportunity to meet and discuss with many leading scientists in this field. The scientific program will cover all modern aspects of infrared plasma spectroscopy from basic research to industrial applications. The main topics of the workshop include all types of spectroscopic methods in the infrared region, such as FTIR, ATR or tuneable diode laser absorption spectroscopy, and their various applications for diagnostics of different types of gas discharges.

Oral presentations will be held on Wednesday and Friday before lunch with an additional session on Wednesday after lunch. Thursday is reserved for the poster session, the industrial exhibition and the workshop excursion. The complete scientific program on Wednesday and Friday will take place in the "Grosse Staffel" lecture room in the 4<sup>th</sup> floor of the INP. The Thursday's program with the industrial exhibition and the poster session will be in the foyer of the Institute of Physics, just a few meters away from the INP.

Four invited speakers have agreed to present their recent work at this meeting:

- Richard Engeln, Eindhoven, The Netherlands
- Guy Guelachvili, Orsay, France
- Antoine Rousseau, Palaiseau, France
- Frank Tittel, Houston, USA

We anticipate that the intervals between the talks will allow only a short time for questions; therefore the presenters should prepare a poster or some printed slides as a basis for further questions in the framework of the poster session as well.

For more detail, please see the schedule.

## Publication of workshop proceedings

It is planned this year to publish citable Workshop proceedings in a special issue of "Journal of Physics: Conference Series". This will be an electronic open-access journal. All participants are invited to extend their abstracts to a full paper of at least 4 pages. The copyright policy of JP:CS allows authors to publish re-written and extended versions of their articles in other journals. More Information on the paper format, guide lines for the author and details on the submission can be found on the workshop's webpage under "proceedings".

**The paper submission deadline is October 5<sup>th</sup> 2008.**

*In order to publish an article in the proceedings it is necessary for at least one of the authors to be a registered and paying participant of the workshop.*

## Registration

Participants of the IPS 2008 workshop should arrive at the hotel on Tuesday, July 22, not later than 6 p.m. A registration desk will be set up in the foyer of the **Parkhotel** from 4 p.m. to 6:30 p.m. on Tuesday afternoon. It will be possible to register at the welcome reception or alternatively on Wednesday morning as well.

## Events

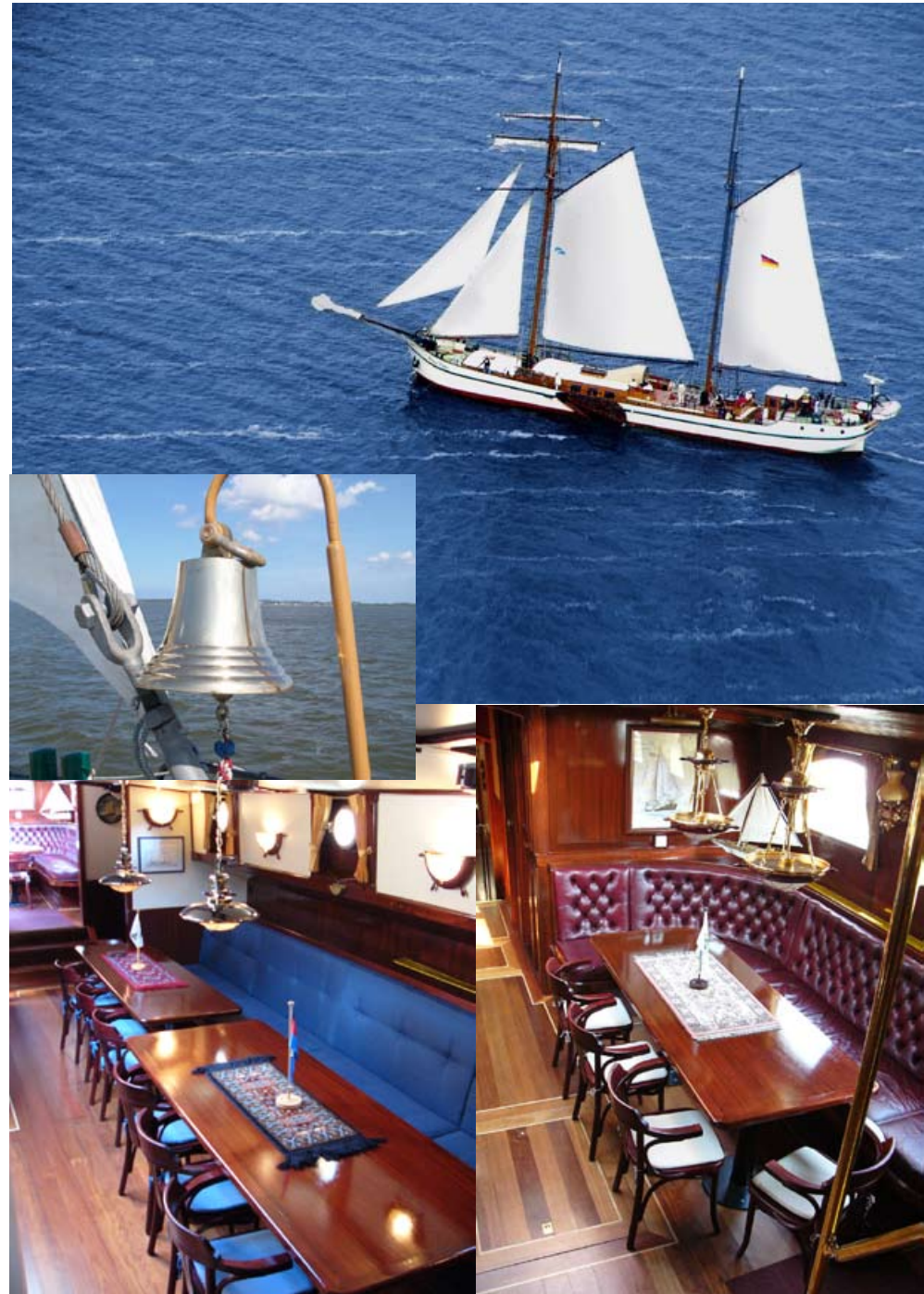
The IPS 2008 workshop itself will start on Tuesday evening with a welcome reception in the historical brewery cellar of the "Alter Fritz" in the main town square on Tuesday evening. There will be bus transfer from the Hotel to the restaurant in the city centre and back, departing from the hotel at 6:30 p.m..

On Wednesday evening there will be a Workshop Dinner in the restaurant "Zur Sonne" near Greifswald's museum harbour. Again, there will be a bus transfer from the INP via the Parkhotel to the restaurant in the city centre and back, departing from the INP at 6:30 p.m..

Thursday afternoon is reserved for the workshop excursion giving ample opportunity to communicate with the other participants. We booked the topsail schooner "Weisse Düne" for an afternoon tour through the calm waters of the "Achterwasser" near the island Usedom.

Please note, that it might be windy and a bit colder on board on the open sea. While July is normally one of the best months of the year it is possible to have rain on the tour. So, it would be appropriate to be prepared for some wind and weather for the sailing tour.

We will have bus transportation to the small harbour of Neppermin, where we will board the ship. We will sail to the harbour of Wolgast where the bus will wait for us and bring us back to Greifswald. Since the sailing tour starts at 5 p.m. we will have a coffee break in the Sculpture Park of Katzow where art presents openings into the beautiful, pastoral landscape of Vorpommern between Greifswald and Wolgast. The bus will leave for the trip at 2:30 p.m. at the INP and shortly afterwards from the Parkhotel and will be back at around 9:30 p.m..



## Final Schedule - Timetable

|       | Tuesday,<br>22.07.2008                  | Wednesday,<br>23.07.2008          | Thursday,<br>24.07.2008 | Friday,<br>25.07.2008   |                          |                            |                   |
|-------|---|-----------------------------------|-------------------------|-------------------------|--------------------------|----------------------------|-------------------|
| 09:00 | Arrival                                 | G. Guelachvili (France)           | Poster<br>Session       | A. Rousseau<br>(France) |                          |                            |                   |
| 09:45 |   | S. Welzel (Germany)               |                         |                         | Industrial<br>Exhibition | J.-P. van Helden<br>(U.K.) |                   |
| 10:00 |   |                                   |                         |                         |                          |                            | K. Takeda (Japan) |
| 10:15 |   | Coffee break                      |                         |                         |                          | Coffee break               |                   |
| 10:45 |   | F. Kaddouri (France)              |                         |                         |                          | F. Tittel<br>(USA)         |                   |
| 11:15 |   | C. Lazzaroni (France)             |                         |                         |                          | Plenary Discussion         |                   |
| 11:45 |   | Lunch break                       |                         |                         |                          | Lunch break                |                   |
| 12:15 |   | R. Engeln (The Netherlands)       |                         |                         |                          | Workshop end               |                   |
| 13:15 |   | S. Stepanov (Germany)             |                         |                         |                          | Exkursion                  | Institutes-Tour   |
| 14:00 |   | V. Kasyutich (U.K.)               |                         |                         |                          |                            |                   |
| 14:30 | Coffee break                            |                                   |                         |                         |                          |                            |                   |
| 15:00 | L. Hvozdar<br>(AlpesLaser, Switzerland) |                                   |                         |                         |                          |                            |                   |
| 15:30 | D. Stanaszek (Vigo, Poland)             |                                   |                         |                         |                          |                            |                   |
| 15:50 | Registration<br>(Parkhotel)             | V. Artyushenko (A.R.T. Photonics) |                         |                         |                          |                            |                   |
| 16:00 |   | H. Zimmermann (npc, Germany)      |                         |                         |                          |                            |                   |
| 16:10 |   | P. Fuchs (nanoplus Germany)       |                         |                         |                          |                            |                   |
| 16:30 |   | Break                             |                         |                         |                          |                            |                   |
| 16:50 | Welcome reception                       | Workshop dinner                   | Departure               |                         |                          |                            |                   |
| 17:10 |   |                                   |                         |                         |                          |                            |                   |
| 19:00 |   |                                   |                         |                         |                          |                            |                   |

Please check the homepage for actual changes of the schedule.

## Catering

The registration fee includes besides the participation in the workshop and the workshop excursion all food and drinks at the welcome reception on Tuesday, the conference dinner on Wednesday, the excursion on Thursday and all workshop breaks and the buffet lunches.

## Venues

The IPS 2008 workshop will take place in the INP Greifswald and in the Institute of Physics (IfP) of the University of Greifswald. While the talks will be held in the lecture room of the INP, the Industrial exhibition and the poster session will be set up in the Institute for Physics of the University of Greifswald, near the INP. Both buildings are within a few minutes walking distance of each other, 5 minutes from the Parkhotel and 15 minutes walk from Greifswald city centre. The scientific program of the IPS workshop will start on Wednesday July 23 in the morning and will end on Friday at lunch time.

## Workshop address

INP Greifswald  
Felix-Hausdorff-Str. 2  
D - 17489 Greifswald  
Phone: + 49 3834 – 554 425  
Fax: + 49 3834 – 554 301

## Travel Information

Conference participants arriving by air should fly to Berlin or Hamburg airports. From there Greifswald can be reached by train or car. The fastest way to reach Greifswald by car is from Berlin via the Autobahn A10 / A11 / A20 and from Hamburg via A1 / A20. A detailed timetable of train connections can be obtained from the Travelservice of the Deutsche Bahn.

The most convenient way to get from the main train station to the Parkhotel is to take a taxi, since the place with the central bus station in front of the main train station is presently a big construction site. There is a bus stop nearby the Parkhotel (route 4, bus stop "Makarenkostrasse") but it is ca. 200 m away from the accommodation.

More details on Greifswald's public transportation system can be found here: <http://www.sw-greifswald.com/verkehr>

An online map of the city of Greifswald you can find here: <http://www.staedte-verlag.de/stadtplaene/plan/index.php4?plz=17489> or on our homepage.

If you need any advice for your travel or arrival, please don't hesitate to contact the LOC.

We are looking forward to seeing you in Greifswald,  
Sincerely yours,

Jürgen Röpcke,  
Chair of the Local Organizing Committee of IPS 2008

## Industrial Exhibition & Sponsors

The industrial exhibition will take place in the foyer of the IfP Greifswald on Thursday (July 24th 2008) from 10 a.m. to 2 p.m.. This is a combined event with the poster session. The following companies will be displaying their products and supporting the Workshop:



Alpes Lasers S.A.



A.R.T. Photonics GmbH



Ilmvac GmbH



A member of the Qioptiq Group

Linos Photonics  
GmbH & Co KG

Nanosystems and  
Technologies  
GmbH



Nanoplus GmbH



neoplas GmbH



solutions for your operations in gases and plasmas

neoplas control GmbH



Owis GmbH



Vigo System S.A

## International Scientific Committee

P.B. Davies, Cambridge, U.K.: Chair  
J. Röpcke, Greifswald, Germany: Co-Chair  
R. Engeln, Eindhoven, Netherlands  
G. Hancock, Oxford, U.K.  
M. Hori, Nagoya, Japan  
H. Linnartz, Leiden, Netherlands  
R. Martini, New York, USA  
J. Meichsner, Greifswald, Germany  
A. Rousseau, Paris, France

## Local Organizing Committee

J. Röpcke (INP: Chair)  
F. Hempel (INP: Secretary)  
J. Meichsner (IfP, University of Greifswald)  
N. Lang (INP)  
L. Glawe (INP)  
C. Krcka (INP)



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