

Third and Final Announcement and Call for Papers

4th International Symposium on

Negative Ions, Beams and Sources

October 6 – 10, 2014 Max-Planck-Institut für Plasmaphysik, Garching, Germany

The 4th International Symposium on **N**egative **I**ons, **B**eams and **S**ources –NIBS2014– will be held in the town of Garching, which is near Munich, Germany, on October 6th –10th, 2014. The symposium is organized by the Max-Planck-Institut für Plasmaphysik.

Scope and Topics

The aim of the symposium is to exchange information on science, technology, engineering, and operational experiences in all areas relevant to negative ions by providing a forum for discussion. Contributions from a wide variety of fields, such as: fusion, accelerators, material science or industrial applications are expected. The main topics of the symposium are:

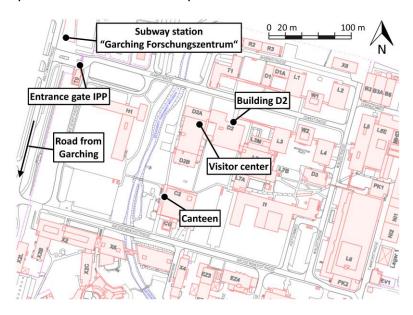
- 1. Fundamental processes and modeling
- 2. H⁻ and D⁻ sources for fusion, accelerators and other applications
- 3. Other negative ion sources
- 4. Beam formation and low energy transport
- 5. Beam acceleration and neutralization
- 6. Beam lines and facilities
- 7. Applications

Symposium Web Site

http://www.ipp.mpg.de/nibs2014

Venue

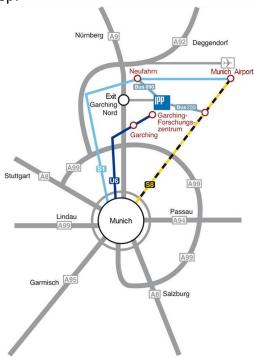
The NIBS 2014 symposium is organized by the Max-Planck-Institut für Plasmaphysik and is held in the building D2. The lecture hall is located on the ground floor of the building and the poster sessions will take place on the second floor.



Garching is located 15 km northeast from the beautiful historic city of Munich. Munich itself is located in the state of Bavaria in southern Germany. It is a world renowned tourist destination and is easily reached by train or plane.

Hotels are available in the nearby town of Garching, and in the city of Munich itself. Travel to Garching from the airport can be made easiest by taxi. It is possible to use the suburban train ("S-Bahn") S8 to the stop Ismaning train station or S1 to Neufahrn. Then take a bus (230 or 690, respectively) or taxi to Garching. Please note: the buses run on weekdays only! Travel from either Garching or the city centre of Munich to the Max-Planck-Institut can be done using the subway ("U-bahn") U6 (direction: "Garching Forschungszentrum") and getting off at the last stop.





Information on and time schedules of the public transport in and around Munich can be found on the web page of MVV München: http://www.mvv-muenchen.de/en/

The Symposium is being held just after the Oktoberfest and during a trade show so hotel bookings should be made as early as possible to ensure finding a room. A list of hotels are offering special rates for the conference was sent to the participants after registration and is available on request from the members of the LOC.

<u>Visas</u>

Germany is part of the Schengen Area, a group of 26 countries that have waived border control and passport requirements for citizens travelling between the member countries. If you are a citizen of the 25 countries that are also part of the agreement, you won't need a visa. There are other countries that do not require a visa for visiting Germany, including: the United Kingdom, Ireland, Canada, the United States of America, Australia, and New Zealand. If you are not sure you need a visa, take a look at the german foreign office ("Auswaertiges Amt") list:

http://www.auswaertiges-

amt.de/EN/EinreiseUndAufenthalt/StaatenlisteVisumpflicht_node.html

If you need a visa, you'll have to apply for it at your local German embassy or general consulate. You will find a list with the embassies and consulates here:

http://www.auswaertiges-amt.de/EN/AAmt/Auslandsvertretungen/Botschaften node.html

You should apply for the visa at least two weeks before entering the country (applying as soon as possible is recommended). The visa application should include an invitation letter, which the local organizing committee will provide.

Weather

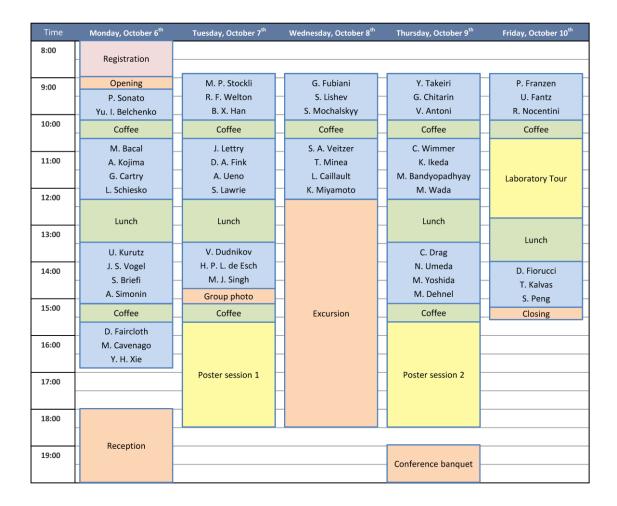
The weather in Munich for the first week in October is usually around +13°C in the day, dropping to +6°C at night. It tends to be overcast at this time of the year with a greater than 50% chance of rain.

Scientific Programme

The symposium will consist of contributed papers in oral and poster sessions to encourage close contact between researchers and to generate intense discussion. The preliminary Symposium program is found below; it is subject to change. The Symposium website will have the most current version of the program.

NIBS Award

The NIBS Award will be presented for innovative and significant recent achievements in the fields of the physics, theory, technology and/or applications of sources, low energy beam transport, and/or diagnostics of negative ions. The first "NIBS Award", donated by D-PACE Inc., Nelson, BC, Canada, will be presented at the banquet of the NIBS 2014 Symposium. It consists of a certificate and US \$5,000.



Presentation Information

Oral

All papers will be allocated a time of 20 minutes for the presentation and 5 minutes for questions and discussion. The lecture hall is equipped with a Windows PC. Supported presentation formats are Microsoft PowerPoint and PDF. Although a variety of standard video codecs are supported, speakers are strongly advised to provide video files separately and not only embedded in the presentation. Please be prepared to have your presentation on a portable USB flash drive and hand it out to the organisers at the technical room in the lecture hall at least by the start of the break before your session. The organizing committee asks, to speed up the process, that the file should be named:

NIBS2014 <dayofweek> <lastname>

Where <dayofweek> is to be replaced with the weekday of the presentation and <lastname> with the last name of the presenter.

Poster

There will be two poster sessions for the symposium. The first session will be on Tuesday, October 7th and the second session will be on Thursday, October 9th. Both begin at 15:40 and are located on the second floor of building D2 (just up the stairs from the lecture theater where the oral presentations will take place). Each presenter will be

allocated 90 cm by 120 cm (approximately portrait A0). The posters should be mounted in the morning of the session and removed at the end of the session or at latest the next morning.

Working Language

The working language of NIBS2014 is English.

Paper Submission and Symposium Proceedings

All authors of accepted abstracts are encouraged to write contributions to the Symposium proceedings book. All manuscripts of the proceedings must be submitted by e-mail to: nibs2014@ipp.mpg.de no later than October 2, 2014. Please find the number allocated to your paper in the symposium programme available on the NIBS homepage.

Authors publishing in the proceedings will be asked to review papers submitted for the proceedings. The review deadline is: November 3, 2014.

After peer review, the proceedings will be published in AIP conference proceedings. Additionally, an online version will be available with open access on the AIP website. The maximum length of the paper will be either 8 pages for poster or 10 pages for oral contributions. Detailed instructions for paper submission and a format template are available by links on the symposium website at:

http://www.ipp.mpg.de/ippcms/eng/for/veranstaltungen/konferenzen/2014/nibs2014/publication

The book of the symposium proceedings will be printed in black and white and will be distributed to all registered participants to the address they provided at the time of registration. Colour figures and graphics are only available in the online version.

Social Programme and Lab Tour

A welcome reception, hosted by IPP, will take place in the IPP visitor center (close to the lecture hall used for the oral presentations) on Monday, October 6th.

A half-day excursion to Andechs Monastery is planned for the afternoon of Wednesday, October 8th. Andechs Monastery sits atop Holy Mountain above the eastern bank of Ammer Lake. The monastery can be seen from miles around and is both the oldest pilgrimage church in Bavaria and is famous for its brewery.



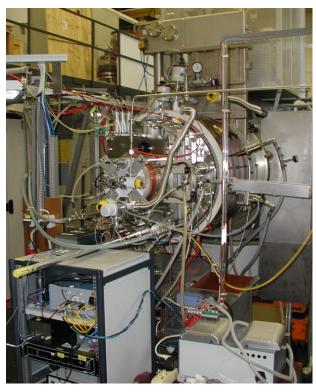
The tour includes: a short boat trip on the Ammer lake, a guided tour of the Monastery and a dinner. More information can be found in http://www.andechs.de/nc/en

A conference banquet will be held in the "Ratskeller" of the Rondel Restaurant in Garching beginning at 19:00 on Thursday, October 9th. The participants can take the subway U6 to reach Garching (station "Garching") and the restaurant is located at Bürgerplatz 9; a short walk from the subway station and most conference hotels. Please note: no transportation will be arranged by the local organizing committee for this event.



The conference participants are invited for a tour of both the IPP negative ion source test facilities and – if possible – of the ASDEX Upgrade tokamak on Friday October 10th, starting at 10:40. IPP is currently operating the half size ITER source on the ELISE test facility. The BATMAN test facility, where the work on RF driven negative ion sources for fusion began, focuses now mainly on R&D in physics and technology for ITER and towards DEMO. ASDEX Upgrade, the "Axially Symmetric Divertor Experiment", is Germany's largest fusion device. The aim of ASDEX Upgrade is to prepare the physics base for ITER and DEMO.





Important Dates

Deadline for paper submission	October 2, 2014
Symposium	October 6 – 10, 2014
Reviews of Manuscript Due	November 3, 2014

Sponsors

The 4th International Symposium on Negative Ions, Beams and Sources is sponsored by

D-Pace Inc. http://www.dehnel.com/

Max-Planck-Institut für Plasmaphysik http://www.ipp.mpg.de/

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