

NIBS2012 – Second Announcement and Call for Abstracts

Third International Symposium on Negative Ions, Beams and Sources

September 3 – 7, 2012
University of Jyväskylä, Jyväskylä, Finland

The Third International Symposium on Negative Ions, Beams and Sources — NIBS2012 — will be held in Jyväskylä, Finland, on September 3rd – 7th, 2012. The symposium will be organized by University of Jyväskylä.

NIBS2012 will cover all areas of science and technology related to negative ions. The symposium was formerly named "Symposium on Production and Neutralization of Negative Ions and Beams (PNNIB)". It was started in 1977 for hydrogen negative ions and beams for fusion and accelerator applications. The symposium has evolved to include other ion species and applications, and for further development the name of the symposium has been changed in 2008. Presently, the symposium is the only international forum dedicated to all aspects of negative ions in physics and technology from formation to application.

Scope and Topics

The aim of the symposium is to exchange information on science, technology, engineering, and general experience in all areas related to negative ions by providing a discussion forum. Contribution from a wide variety of scientific fields, such as fusion, accelerator, material science, and the other fields including industrial application, is expected. The main topics are:

- 1. Fundamental processes and modeling**
- 2. H⁻ and D⁻ sources for fusion, accelerators and other applications**
- 3. Negative ion sources of heavy ions**
- 4. Beam formation and low energy transport**
- 5. Beam acceleration and neutralization**
- 6. Beamlines and facilities**
- 7. Applications**

Web Site

<http://www.nibs2012.jyu.fi/>

Venue

NIBS 2012 symposium will be organized in Agora building in Jyväskylä.



Jyväskylä is located in Central Finland in one of the lake districts of the country some 270 kilometers north of Helsinki. Travel information can be found from the symposium website.



Scientific Program and Publication

The symposium will consist of contributed papers in oral and poster sessions to encourage close and intense discussion. Papers accepted after the usual review process will be published in AIP conference series.

Abstract submission

Authors are invited to submit abstracts on-line by May 15, 2012 through the symposium website. The on-line abstract submission will be opened on April 15. The maximum length for the abstract text is 2500 characters. We also encourage the authors to submit a pdf-copy of the abstract to ensure proper handling of e.g. special characters. Please see detailed instructions for abstract submission at the symposium website.

Submitted papers should be an original work associated with the symposium topics, which has not been previously published. Abstracts should be sufficiently detailed in describing the aim of the work and the most important aspects of the obtained results. The international program committee will select the papers on the basis of the submitted abstracts. Authors will be notified on acceptance of abstracts and assignment of their papers into the sessions by June 15, 2012. A booklet of the abstracts will be distributed to participants at the Symposium.

Paper submission and symposium proceedings

All manuscripts of the proceedings must be submitted through the symposium website not later than August 31, 2012. The proceedings will be published in AIP conference proceedings, after peer review processes. The maximum length of the paper will be 8-10 pages depending on the number of contributions. Over-length manuscripts can be submitted, but their acceptance would be determined by the referee and the local organizing committee. The book of the symposium proceedings will be distributed to all registered participants to the address they provide at the time of registration. The detailed instructions for the paper submission will be available on the website.

Registration and hotel information

Registrations can be made through the symposium website together with hotel reservations. Please note that it registration and hotel reservation should be completed together. The local organizing committee has negotiated rates for the participants with certain hotels. Please see the symposium website for further information.

Registration fee

The symposium fee covers participation in all symposium sessions, symposium material - book of abstracts, 5 lunches, coffee or tea during breaks, reception by the city of Jyväskylä, symposium excursion, symposium banquet and symposium proceedings delivered to the address given at the time of registration.

The early registration fee is 450 EUR including the banquet and excursion. An additional banquet ticket for an accompanying person is 70 EUR and excursion 60 EUR. The fee for students is 380 EUR, also including the excursion and banquet. All attendees willing to take advantage of the reduced (early registration) fee are requested to register through the website before June 30, 2012. Registrations are accepted until August 10, 2012. After June 30 a late registration fee of 500 EUR / 430 EUR (students) will be charged. Additional handling fees apply in case of invoiced payments. For payment instructions we encourage you to visit the symposium website.

All registrations will be confirmed by an e-mail sent to the participants with registration details, accommodation reservation, and other necessary advance information. The confirmation letter will be sent out starting by the end of May 2012. More information on registration can be found on the symposium website.

Terms for registration cancellation: For written cancellations received before 30 June full refund on registration will be paid. For written cancellations made between 1 July and 31 August the cancellation fee is 80 EUR. After 31 August no refund will be paid.

The student fee is applied to full-time students only. Taking advantage of the reduced fee requires presenting a proof of student status.

Social program and technical tour

A half-day excursion to Varjola farm is planned for Wednesday afternoon on September 5. The farm is located about 30 km from the city at 30 minutes' distance by bus. Participants can explore traditional Finnish landscape and are offered a possibility to enjoy white-water rafting. The tour includes a dinner. Information and pictures on Varjola farm can be found from <http://www.varjola.com/index.php?lang=en>

The conference banquet in a local restaurant, Savutuvan Apaja, is scheduled for Thursday, September 6. The symposium participants will board a ship directly from the conference venue for a short cruise (approx. 1.5 hours) on Lake Päijänne to Savutuvan Apaja. Bus transportation back to the hotels will be arranged after the banquet. For more information on the cruise and the banquet venue can be found from <http://www.paijanne-risteilythilden.fi/main> and <http://www.savutuvanapaja.fi/>

The conference participants are invited join a tour of the JYFL accelerator laboratory on Friday September 7. The laboratory performs research on accelerator based nuclear, material and applied physics at the highest international level.

Summary of important dates and fees

Abstract submission	15 April - 15 May 2012
Notification of acceptance	15 June 2012
Early registration, reduced fee	15 April - 30 June 2012
Registrations accepted until	10 August 2012
Paper submission	31 August 2012

Registration before 30 June	450 EUR / 380 EUR students
Registration after 30 June	500 EUR / 430 EUR students
Accompanying person	Banquet 70 EUR Excursion 60 EUR

Visas

Finland is part of the Schengen area. The necessary travel documents are defined by the Schengen Agreement and they depend on the citizenship of the traveller. Please check your home country on the list of The Ministry for Foreign Affairs of Finland. As a general rule, foreign nationals who require an entry visa are requested to apply for one from the diplomatic mission that represents Finland in their home country at least two weeks before planned traveling date (at least one month recommended). The visa application should include an invitation letter, which can be obtained after the payment of the registration fee is confirmed.

Contact the event coordinator at registration.NIBS2012@jyvaskylabooking.fi for issuing the invitation letter. Read more about applying a visa on The Ministry for Foreign Affairs of Finland web pages.

<http://formin.finland.fi/public/default.aspx?culture=en-US&contentlan=2>
<http://formin.finland.fi/public/default.aspx?nodeid=15720&contentlan=2&culture=en-US>.

Sponsors

The 3rd International Symposium on Negative Ions, Beams and Sources is sponsored by D-Pace Inc., University of Jyväskylä and the City of Jyväskylä



<http://www.dehnel.com/>

<https://www.jyu.fi/en>

<http://www.jkl.fi/lang/>

Working Language

The working language of NIBS2012 is English.

International Program Committee

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