



First Announcement
5th International Symposium on
Negative Ions, Beams and Sources
12th - 16th September 2016
St. Anne's College, Oxford, UK

The 5th International Symposium on Negative Ions, Beams and Sources- NIBS2016 will be held in St. Anne's College, Oxford, UK, on the 12th - 16th September, 2016. The symposium is jointly organized by the Science and Technology Facilities Council (STFC) and the Culham Centre for Fusion Energy (CCFE).

When it began in 1977, as The Symposium on Production and Neutralization of Negative Ions and Beams was on accelerator and fusion applications. The current form of the symposium welcomes contributions on any aspect of the use of negative ions in basic or applied research. NIBS2016 will cover all areas of science and technology related to negative ion production and use. The symposium will present results obtained from experimental investigations as well as theoretical modelling. The symposium is also an ideal setting for new researchers to establish contacts and see first-hand the latest developments in the field of negative ion research.

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 modelling**
- 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**

Venue

The NIBS 2016 symposium will be held at St Anne's College Oxford for the first three days of the symposium (Monday-Wednesday), the symposium will then move to STFC Rutherford Appleton Laboratory on Thursday and CCFE Culham on Friday. Transport will be provided on Thursday and Friday between Oxford and the laboratories.

Working Language

The working language of NIBS2016 is English.

Web Site

<http://nibs2016.org>

Scientific Program and Publication

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

Important Dates

Registration and Abstract Submission Open	18 April 2016
Abstract Submission Deadline	23 May 2016
Notification of Abstract Acceptance	23 June 2016
Early Registration Deadline	04 July 2016
Latest Registration Deadline	15 August 2016
Paper Submission Deadline	11 September 2016
Symposium Start	12 September 2016
Symposium End	16 September 2016
Paper Review Deadline	3 October 2016

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 consist of a certificate and CAD \$5,000 is to be presented at the NIBS 2016 Symposium. See <http://nibs2016.org/award> for more information or email Ron Hemsworth: award@nibs2016.org.

Registration Information

The local organizing committee will determine the conference fee by the end of January 2016. The fee and hotel rates will be communicated through the symposium website as soon as they can be confirmed. Online registration for the conference and hotel reservations will be opened in early 2016.

International Program Committee

M. Bacal, UPMC, France
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Local Organizing Committee

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Roy McAdams (CCFE)
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