

IPAB2016

**Intense and powerful accelerator beams
for industrial and energy application (IPAB2016)**

March 14th-15th, 2016

Laboratori Nazionali di Legnaro (Padova), Italy

SECOND ANNOUNCEMENT

The workshop "IPAB2016" will be held from 14th to 15th March 2016 at Laboratori Nazionali di Legnaro, Legnaro (Padova), ITALY. The Conference programme will begin on Monday, March 14th at 9.00 and will close on Tuesday, March 15th in the afternoon (about 17.00). A visit to nearby Consorzio RFX is included.

The Workshop is organized in the framework of the Accelerator Application Network Activity (Work Package 4 of the Eucard2 GA 312453 project), to foster knowledge of the application capability of accelerators.

SCOPE OF THE WORKSHOP

The focus of the meeting will be on applications of high current and powerful particle accelerators and sources, with particular attention to benefit of high current sources. Subtopics are:

- satellite propulsion;
- negative ion beams for fusion;
- negative and positive ions in industrial application;
- electron beams for seeds, food and waste processing;
- material resistance and tests;
- medical applications and treatment times.

The scope of the workshop also covers:

- radioisotope production;
- accelerator and beam source technology, superconductivity, energy efficiency and recover;
- application of accelerator based analytical and diagnostic techniques (AMS, PIXE, ...).

SCIENTIFIC PROGRAMME

The scientific programme will consist of invited and contributed presentations. Presenters are encouraged to submit the title and the abstract of their possible presentations. A poster session may be also organized if necessary.

A meeting room of LNL is reserved for any extended discussion of small workgroups on March 16th, if necessary.

Invited speakers (tentatively confirmed to date) include A. Aanesland (LPP, France), A. Duatti (Univ. Ferrara, Italy), R. Edgecock (Univ. Huddersfield, UK), A. Faus-Golfe (CSIC-UV, Spain), U. Fantz (IPP,

Germany), F. Poirier (Arronax, France), F. Taccogna (CNR, Italy) and more, covering key issues of energy, medical and industrial applications of powerful accelerators (see programme on [website](#) for updates).

ABSTRACT SUBMISSION

We encourage the submission of original contributions in the indicated scientific areas. The Scientific Committee will select some original contributions for oral and possibly poster presentation.

Authors are invited to submit abstracts using the INDICO web-interface available on the [Conference web page](#). The deadline for submitting abstracts is **Friday, 19th February 2016**. Modification of submitted abstracts is possible through the same INDICO system until **19th February**.

Please note that the first time that you use the INDICO system you must follow the instructions to create your own INDICO account (for any help with the abstract submission, please contact us).

VENUE and TRAVEL

The meeting will be held at the Laboratori Nazionali di Legnaro of the INFN, Viale dell'Università 2, LEGNARO (Padova), Italy. Legnaro is only 10 Km (6 miles) from Padova. Details on transportation and routes to Legnaro are available on the [conference web page](#).

For participants arriving at **Venice Airport**, in addition to regular buses, there are also several private shuttle connections from the Airport to Padova or Legnaro Laboratories. You can contact:

- LANDOMAS BLUE SERVICE
<http://www.landomas.it/> - Ph. +39 049 8600382; e-mail landomas@landomas.it.

The cost per transfer ranges from 30€ to higher costs depending on arrival time. Payment can be made directly to the driver. The service must be booked at least 24 hrs in advance. Further details will be available on the third circular.



TRANSFER FROM PADOVA HOTELS TO LNL and BACK

A transfer service will be organized every day from Padova hotels to Legnaro Laboratories and back. Pick-up points and times will be given later. Should you miss the Workshop bus, please be informed that regular buses connect Padova to Legnaro about every 30 min in office hours as better mentioned on the [web page](#).

REGISTRATION

The Workshop is supported by EUCARD2 Project and INFN; no registration fee is requested.

Registration to this event is available at the [Conference website](#) via INDICO system from **December 17th, 2015** until **February 19th, 2016**. For organization purposes, early registration is appreciated.

Lunches

Lunches on March 14th and 15th are available at LNL canteen at an indicative price of 8,13€ (for a full meal).

A Social Dinner may be planned at a Restaurant near LNL on March 14th evening. Participants are kindly asked to indicate their participation on the registration form along with any possible dietary restriction.

ACCOMMODATION

A number of rooms (single, double, double for single occupancy) have been blocked at the hotels listed on the [Conference web page](#). The deadline for reservation is **February 29th, 2016**. You are kindly asked to make your reservation by that date.

Please, make your booking directly with the hotel. For any help, please contact: ipab2016@lnl.infn.it

General information

The third announcement will be available on the Conference website and e-mailed .

Please visit the the [Conference website](#) for updated information on meeting agenda.

We would be grateful if you could bring this announcement to the attention of your colleagues.

Looking forward to seeing you at Laboratori Nazionali di Legnaro,
The Organizing Committee

International Scientific Committee

M. Cavenago (Chair), INFN Legnaro, Italy

V. Antoni, CNR, RFX, Italy

R. Edgecock, Huddersfield University, UK

H. Owen, Manchester University, UK

F. Taccogna, CNR-Nanotech, Italy

Local Organizing Committee

M. Cavenago (Chair), *INFN Legnaro, Italy*

E. Fagotti, *INFN Legnaro, Italy*

M. C. Buoso, *INFN Legnaro, Italy*

G. Serianni, *CNR e RFX, Padua, Italy*

P. Veltri, *INFN e RFX, Italy*

Conference Secretariat

D. Zane, *INFN Legnaro, Italy*

Sponsored by:



and



*Accelerator
Application Network Activity
Work Package 4*

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CONTACT ADDRESS

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