



UCANS-V

The 5th International Meeting of Union for Compact Accelerator-driven Neutron Sources

May 12-15, 2015

Laboratori Nazionali di Legnaro (Padova), Italy

SECOND CIRCULAR

The “5th International Meeting of Union for Compact Accelerator-driven Neutron Sources, UCANS-V” will be held from 12th to 15th May 2015, at the INFN Laboratori Nazionali di Legnaro, Legnaro, ITALY. The meeting is organized by the Istituto Nazionale di Fisica Nucleare (INFN) with the patronage of the University of Padova.

The registration and opening session will begin at 15:00 on Tuesday, May 12, in the *Archivio Antico* Hall at Palazzo Bo, the historical building of the University of Padova, one of Europe’s oldest university, dating back to 1222. A welcome cocktail will follow.

From May 13th to 15th the meeting will be held at Laboratori Nazionali di Legnaro of the INFN. Legnaro is located 10 km (6 miles) from Padova.

SCOPE OF THE WORKSHOP

In recent years large scale neutron facilities have been constructed and are now fully in operation. Others are in the final stage of the construction or are planned for the near future. A new generation of high current accelerators has opened new perspectives for the development of advanced compact neutron generators/sources with neutron beams tailored to specific activities in various fields of work based on neutrons. These compact sources will play key roles; they can be used for tests of new methods, devices and training.

The activities of compact accelerator-based neutron facilities cover nowadays almost all fields of applied and fundamental science, including materials science, engineering, cancer therapy, radiation damage, nuclear astrophysics, cross section measurements, etc.

Related to the design, construction and operation of these compact neutron facilities, other spinoffs are generated in many ancillary fields, e.g. accelerators, beam optics, neutron production targets, heat removal designs, neutron moderators, neutron transport, neutron detection, electronics, and many others.

The effective impact of compact neutron facilities in modern science and technology is strongly connected to the development of a network based community supported by periodic international meetings and collaborative programs. The UCANS meetings provide valuable opportunities for users and coordinators of compact neutron facilities to exchange information related to various neutron-based and diverse ancillary fields in an informal and friendly setting.

The first UCANS meeting (<http://www.ucans.org/>), was inaugurated in 2009 at Tsinghua University in Beijing, China, followed by subsequent meetings in the following years in Bloomington (USA), Bilbao (Spain) and Sapporo (Japan). The UCANS-V in 2015 will be hosted by the Laboratori Nazionali di Legnaro (LNL) of the Istituto Nazionale di Fisica Nucleare (INFN).

TOPICS

- A. Accelerators and beam optics;
- B. Target radiation damage and heat removal;
- C. Moderator neutronics;
- D. Optical devices;
- E. Neutron detection;
- F. Innovative instrumentation;
- G. Material characterization;
- H. Other neutron applications based on CANS;
- I. Nuclear astrophysics;
- J. Nuclear data measurements and evaluation;
- K. Medical applications;
- L. Computer simulations of CANS, instrument performance and data-analysis software.

We also welcome presentations from large facilities, to foster cross-fertilization and joint complementary R&D between compact and large facilities, as well as presentations from developers of small, high current, low energy accelerators. We also encourage friendly discussions on CANS' roles, users' desires, collaborative schemes, education/training, and so on.

SCIENTIFIC PROGRAMME

The scientific programme will consist of invited/contributed and oral/poster presentations focusing on the above listed topics (A-L).

Authors are invited to submit abstracts for oral and/or poster presentations using the Indico web-interface. A template of the abstract can be downloaded from the UCANS-V Meeting website.

The deadline for submitting abstracts is **February 15, 2015**.

The Programme Committee will select contributions for oral or poster presentations. Authors will be notified about the acceptance of their contribution and type of presentation by **March 9, 2015**.

The abstracts will be published in the Book of Abstracts, on condition that the presenting author has a valid Conference registration. The Book of Abstracts will be available for all registered attendees.

VENUE and TRAVEL

The opening session on May 12, 2015 will take place at Palazzo Bo, the historical building of the University of Padova, Via VIII Febbraio 2, Padova. From May 13 to May 15 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 and 30 km (20 miles) from Venice. Details on transportation and routes to Legnaro are available on the meeting web page.

A bus service between the hotels in Padova and Legnaro will be organized daily for Conference participants.

ACCOMMODATION

The list of hotels is available on the Conference website. The hotels are close to the center of Padova. Participants are kindly invited to contact directly the hotels, but please take notice that May is high season and we suggest to book your room as soon as possible.

Details about the daily bus service from Hotels in Padova to Legnaro will be given on the web page; be informed that the pick-up points will be in the center of Padova (one stop will be surely Prato della Valle).

REGISTRATION

Registration will be available online on the Conference website **from February 2 to May 3, 2015**. Fees are in Euros (€) - **V.A.T. 22% included**. Invoice will be issued for every fee paid and will be available at the registration desk. Participants are invited to check carefully the instructions for registration and payment on the Conference website.

	EARLY REGISTRATION until March 23, 2015	LATE REGISTRATION after March 23, 2015
Full Participant	€ 300,00	€ 380,00
Students*	€ 200,00	€ 250,00
Accompanying person	€ 100,00	€ 120,00

*STUDENTS MUST SUBMIT PROOF OF THEIR STUDENT STATUS, by sending to ucans_V@lnl.infn.it a presentation letter from their Institution. Student registration is available for undergraduate, graduate and Ph.D. students ONLY.

The **Full Participant and Students' Fee** includes:

- Admission to all sessions; Conference kit; Abstract Book; Coffee-breaks; lunches at LNL canteen from May 13 to 15; Welcome cocktail; Social Dinner; transportation between Padova Hotels to LNL and back.

The **Accompanying person's fee** includes:

- Welcome cocktail; Social dinner (including transportation from Padova to the Restaurant).

Cancellation Policy and Refunds

In case of cancellation **before April 30**, the registration fee will be refunded. After this date no refund will be possible. Cancellation must be always confirmed in writing. Refunds will be processed after the Conference.

Payment

The fee must be paid in Euro (€) to Istituto Nazionale di Fisica Nucleare – Sezione di Padova by **bank transfer** or **credit card** (Visa, Mastercard, American Express and Maestro). The receipt/invoice will be available at the registration desk.

- **BANK TRANSFER:**
Beneficiary: Istituto Nazionale di Fisica Nucleare – Sezione di Padova
Conto Congressi e Foresterie
Bank name: Banca UNICREDIT – Filiale di Frascati
Via Enrico Fermi, 40 – Frascati
Account # 102577624
IBAN: IT 55 I 02008 39105 000102577624
SWIFT Code: UNCRITM1385
Reference: "UCANS V - Fee for (family name and first name of the participant).
Please specify title of the Conference (UCANS V), your family name and first name, as a description of payment. Please note that all bank charges must be covered by the remitter.
- **CREDIT CARD:**
On-line payments are secured by Secure Socket Layer (SSL). Detailed information and a dedicated webpage will be available on UCANS homepage.

INFN Participants only/ Partecipanti INFN

I partecipanti in missione a carico INFN dovranno presentare la richiesta di autorizzazione a compiere la missione all'amministrazione di appartenenza specificando l'importo della fee.

L'amministrazione ne effettuerà il pagamento tramite storno dalla propria struttura alla Sezione di Padova (come previsto dalla circolare n. 43/2012 del 27/2/2012).

Sarà cura della Sezione di Padova richiedere alle altre Sezioni da quali capitoli effettuare lo storno.

OFFICIAL INVITATIONS

For VISA information see http://www.esteri.it/visti/index_eng.asp.

Official letters of invitation to the Meeting can be provided to participants upon request. Such letters are sent only for visa and permission purposes under no obligation of the Organizing Committee. Requests should be sent to ucans_v@lnl.infn.it.

SOCIAL EVENTS

During the conference the following events are planned:

- A **welcome cocktail** will be served on **Tuesday, May 12**, at 18:30 in the *Basilica hall* at Palazzo Bo of the University of Padova. Two invited talks will be presented before the welcome cocktail.
- On **Thursday, May 14**, the conference dinner will take place in a fish restaurant nearby the Laboratori Nazionali di Legnaro. Participants with dietary restrictions are kindly asked to indicate their needs in the registration form.

Participants who intend to attend these events are invited to tick the appropriate fields in the registration form.

ACCOMPANYING PERSONS AND POST-CONFERENCE PROGRAM

The following tours will be organized for **Accompanying Persons**:

- ✓ On **Wednesday, May 13**: visit to the "Parco Naturale dei Colli Euganei" (€30).
- ✓ On **Thursday, May 14**: visit to Vicenza (€30).
- ✓ On **Friday, May 15**: visit to Padova (€30).
- On **Saturday, May 16**, a post-conference excursion to the Venice lagoon will be organized for all participants (€80).

Details and registration will be available on the website. The visits and the excursion will be activated with a minimum of participants. **The cost is not included in the Conference fee.** Participants who intend to attend these events are invited to tick the appropriate fields in the registration form.

We kindly invite you to check the UCANS homepage for updates!

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,

UCANS V Organizing Committee

Program Committee

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Local Organizing Committee

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G. Viesti, *University and INFN Padova, Italy*
J. Wyss, *Cassino University and INFN Padova, Italy*

Conference Secretaries

C. Miletti, *INFN Padova, Italy*
A. D'Este, *INFN Legnaro, Italy*

Organized by



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CONTACT ADDRESS

e-mail: ucans_v@lnl.infn.it

web page: <http://agenda.infn.it/event/UCANS2015>