

FIRST CIRCULAR

We are pleased to announce that the **14th International Symposium on Nuclei in the Cosmos (NIC-XIV 2016)** will be held during 19th - 24th in June 2016 at Toki Messe in Niigata City, Japan. NIC-XIV 2016 is jointly organized by the National Astronomical Observatory of Japan (NAOJ) and the RIKEN Nishina Center for Accelerator-Based Science and will be supported by several other international and domestic institutions in Japan.

We look forward to welcoming you in Niigata!

On behalf of the NIC-XIV 2016 Organizing Committee,
Taka Kajino, Chair
Shunji Nishimura, Vice-chair

< OVERVIEW and BACKGROUND >

Nuclei in the Cosmos is the foremost bi-annual conference in nuclear astrophysics, spanning nuclear physics, astrophysics, astronomy, cosmo-chemistry, and other related fields that started from Wien in Austria in 1990. This conference aims to survey the recent achievements and exchange expertise and progress in this interdisciplinary field, and it promotes mutual understanding and collaboration over the fields fundamental to solve a range of open questions, from the origin of the elements to stellar, galactic and cosmic evolution.

NIC series of symposia are regarded as one of the relevant international conferences in nuclear physics and astrophysics. In the previous NIC-XIII Symposium held in July 2014 at Debrecen, Hungary, International Advisory Committee decided that the next meeting (NIC-XIV 2016) is to be hosted jointly by the National Astronomical Observatory of Japan (NAOJ) and RIKEN Nishina Center.

<SCOPE>

The subjects to be discussed in NIC-XIV 2016 Symposium will include:

- ✓ Big-Bang Cosmology, Nucleosynthesis, Dark Matter, and Dark Energy
- ✓ First Generations of Stars and Galactic Chemo-Dynamical Evolution
- ✓ Stellar Evolution and Hydrostatic Nuclear Burning Processes
- ✓ Explosive Nucleosynthesis in Stars
- ✓ Supernovae, Gamma-Ray Bursts and Mergers
- ✓ Novae and X-Ray Bursts
- ✓ Neutron Stars and Hadron Physics
- ✓ Meteoritic Abundances, Interstellar Gas and Dust Astronomy
- ✓ X- and γ -Ray Astronomy and Cosmic Ray Astrophysics
- ✓ Neutrino Astrophysics and Weak Processes
- ✓ Radioactive Nuclei Far From Stability
- ✓ Nuclear Theory in Astrophysics
- ✓ Nuclear Experiments in Astrophysics
- ✓ Nuclear Data and Astrophysics
- ✓ New Facilities in Nuclear Astrophysics and Astronomy

<VENUE>

The symposium will take place at the Main Hall at Toki Messe, Niigata Convention Center, which is located at the mouth of Shinano-river, in the heart of Niigata City.

<IMPORTANT DATES>

Second Circular: November 2015

Start of registration: beginning of 2016

Abstract submission open: beginning of 2016

Final Circular: April 2016

NIC-XIV 2016 Symposium: June 19-24, 2016

<REGISTRATION, FEES, and ABSTRACT>

The details of the call for abstracts, the instructions for abstract submission, the registration fees for the symposium, and the instructions for their payment will be announced in the second circular and will be posted on the symposium web site.

<NIC SCHOOL>

A NIC School will be held at Niigata University prior to the symposium for graduate students and young postdocs. The school will provide lectures on basics and the current subjects in nuclear astrophysics. The NIC School provides good

opportunity for the participants to present and discuss their works, too. The details will be announced in the forthcoming circular and on the symposium web site.

<OTHER SATELLITE ACTIVITIES>

There will be other related meetings/workshops before or after the NIC-XIV 2016 Symposium. They will be announced in the forthcoming circular and on the symposium web site.

<PRACTICAL INFORMATION>

Information about travel, transportation, and accommodation will be provided in the second circular and on the symposium web site.

<COMMITTEES>

International Advisory Committee

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<CONTACT and WEB PAGE>

Inquiries related to the NIC-XIV 2016 Symposium should be sent by e-mail to:
mail@nic2016.jp

The symposium web site is:
<http://nic2016.jp/>

