



# NN2018

## SAITAMA, JAPAN

# NUCLEUS-NUCLEUS COLLISIONS

13th International Conference on Nucleus-Nucleus Collisions (NN2018)

### **Second Circular:**

As announced in our first circular in this spring, the NN2018 conference will be held on Dec. 4-8, 2018 in Omiya, Saitama, Japan, hosted by RIKEN Nishina Center for Accelerator-Based Science. The conference venue is the Sonic City ([https://www.sonic-city.or.jp/?page\\_id=230](https://www.sonic-city.or.jp/?page_id=230)), near the Omiya station.

### CONFERENCE WEBSITE and CONTACT

All information relevant to the conference are provided on the conference website:

<http://nn2018.riken.jp>

Any inquiries will be received at conference contact email address:

[contact-nn2018@ribf.riken.jp](mailto:contact-nn2018@ribf.riken.jp)

Please add a short and appropriate subject on your email for efficient sorting of your requests.

### SCIENTIFIC PROGRAM

The scope of the conference is scientific research related to heavy-ion beams in a wide range and covers the most active areas of nuclear physics, including physics of superheavy elements, structure of unstable nuclei, nuclear-astrophysics, nuclear equation of state, quark gluon plasma, and application of nuclear techniques to other fields. The conference will consist of plenary, parallel and poster sessions. The plenary and parallel sessions will include invited talks and oral contributions selected from the submitted abstracts. The rest of contributions will be presented and discussed in the poster sessions.

The invited speakers for the plenary and parallel sessions have been determined based upon IAC recommendations as listed below.

## INVITED SPEAKERS (Confirmed)

K. H. Tanaka (KEK)

W. Nazarewicz (NSCL)

### - Fusion and Fission

B. Back(ANL), M. Dasgupta (ANU), K. Sekizawa (Niigata), M. G. Itkis (JINR),

K. Nishio (JAEA)

### - Heavy and Superheavy Elements

S. Heinz (GSI), J. Gates (LBNL), Yu.Ts.Oganessian (FLNR), K. Morita (Kyushu),

K. Morimoto (RIKEN Nishina Center), M. Wada (KEK)

### - Nuclear Structure and Dynamics

A. Andreyev (York), G. Colo (Milano), K. Wimmer (Tokyo), S. Bacca (TRIUMF),

S. Shimoura (CNS, U-Tokyo), P. Fallon (LBNL), P. Navratil (TRIUMF)

### - Nuclear Astrophysics

H. Schatz (MSU), A. Tumino (INFN-LNS), S. Goriely (Bruxelles),

R. Depalo (Padova), R. Reifarth (Frankfurt), I. Dillmann (TRIUMF)

### - Equation of State of Nuclear and Quark Matter under Extreme Conditions

W. G. Lynch (Michigan State), M. Kitazawa (Osaka), X. F. Luo (CCNU),

A. Obertelli (TU Darmstadt), T. Murakami (Kyoto)

### - Collision Dynamics at Medium to Relativistic Energies

M. Colonna (INFN-LNS), T. Galatyk (Frankfurt), T. Hirano (Sophia U),

M. Shimomura (Nara Women's U), I. Nakagawa (RIKEN Nishina Center),

A. Chbihi (GANIL)

### - Hadron Physics

F. Sakuma (RIKEN), K. Itahashi (RIKEN), S. H. Lee (Yonsei), S. J. Brodsky (SLAC),

S. Gongyo (RIKEN Nishina Center)

### - New Facilities

B. Sherril (FRIB), H. Sakurai (RIKEN Nishina Center), P. Senger (GSI),

M. Kapshin (JINR), X. H. Zhou (IMP-CAS), H. Sako (JAEA), N. Xu (IMP-CAS)

### - Nuclear Methods for Pure and Applied Sciences

F. Tokanai (Yamagata), F. Camera (Mirano)

### - Nuclear Energy and Applications of Nuclear Science and Technologies

M. Stachura (TRIUMF), T. Abe (RIKEN Nishina Center), R. Fujita (JST)

## REGISTRATION

Online registration has been opened to all interested participant.

For online registration, please follow the link:

<http://nn2018.riken.jp>

The registration fee is 60000 Japanese Yen (30000 JY for students) for payments received before September 28th, or 70000 JY (35000 JY for students) for payments after that date.

	Payment before Sept. 28th, 2018	Payment after Sept. 28th, 2018
Participants	60000JY	70000JY
Students	30000JY	35000JY
Accompanying Persons	15000JY	20000JY

The conference fee will cover a welcome reception, coffee breaks, a social excursion, a banquet and conference proceedings.

## SUPPORT

We will support the active attendance of a limited number of PhD students and postdoctoral researchers by reimbursing their conference registration fees. Supported students/postdocs have to have an abstract submitted, pay the registration fee through the conference website, and give an oral/poster presentation in the meeting. The reimbursement will be done only in cash of Japanese yen at the registration desk in the conference site in the afternoons of Tuesday and Wednesday during the conference. The receipt of the registration fee have to be presented for confirmation.

In order to be considered for support, students/postdocs are required to submit the following documents to [support-nn2018@ribf.riken.jp](mailto:support-nn2018@ribf.riken.jp) by adding the note of "REQUEST for support" on the subject.

- A brief Curriculum Vitae (including a face photo)
- Abstract submission number

## SOCIAL ACTIVITIES AND EXCURSIONS

A welcome reception will be held in the evening of Dec. 3rd, 2018. A registration desk will also open on the reception.

Excursions are arranged on Dec. 6th, 2018, Thursday. Several short bus-trips are planned which are shown in the page:

<http://nn2018.riken.jp/event.html>

and could be selected on the conference registration page.

A banquet will be held on Dec. 7th, 2018, Friday, at the Railway Museum. The museum homepage is found on:

<http://www.railway-museum.jp/en/>.

## ACCESS

The conference venue, Saitama Sonic City, is a 3 minute walk from west exit of Omiya Station. You can access there via a pedestrian deck. Google Map URL is available as: <https://www.google.co.jp/maps/@35.9052359,139.6175299,17z>

Access information is available on our web page of:

<http://nn2018.riken.jp/access.html>

## ACCOMMODATION

Omiya or Saitama has a wide range of hotels with prices starting from around 6000 yen/night which may be booked via the usual web based booking sites. We suggest you to book well in advance. Please note that hotels labeled as "Adult Only" on Booking.com or other booking services are not adequate for consecutive stay.

## VISAS

Please check visa information web page of:

<http://nn2018.riken.jp/visa.html>

if you are required visa to come to Japan.

## IMPORTANT DATES

Early Registration deadline	Sept. 28th
Registration Closed	Mid. Nov.

## NOTICE

The organizers of NN2018 will be conducted in accordance with IUPAP principles, which are given on the conference web page at <http://nn2018.riken.jp/>.

To secure IUPAP sponsorship, the organizers have provided assurance that NN2018 as stated in the IUPAP resolution passed by the General Assembly in 2008 and 2011. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

## Conference Organization

### Chairperson

Tomohiro Uesaka (RIKEN Nishina Center)

### International advisory committee

A. Aprahamian, F. Azaiez, M. Borge, A. Bracco, R. Crespo, M. Dasgupta, L. Fabbietti, M. Freer, Z. Fulop, A. Gade, S. Gales, P. Giubellino, H. Hamagaki, S. Hofmann, M. Hussein, M. Itkis, B. Jacak, S.C. Jeong, D.T. Khoa, R. Krucken, B.A. Li, W. G. Lynch, Y.G. Ma, Z. Majka, J.A. Maruhn, L. McLerran, H. Miyatake, E. Nappi, W. Nazarewicz, N. Rowley, A. Roy, H. Sakurai, C. Spitaleri, L. Trache, J. Wambach, N. Xu, Y. Ye, H.Q. Zhang

### Program committee

Y. Akiba, K. Hagino, K. Morita, T. Murakami, T. Nagae, C. Nonaka, A. Odahara, S. Shimoura

### Local organizing committee

T. Uesaka (chair), T. Motobayashi, S. Yokkaichi, M. Sasano, N. Miyauchi, T. Isobe, H. Otsu, E. Isogai(secretary), K. Sakuma(secretary)

We look forward to seeing you in Omiya, Saitama this December.

Sincerely yours,

The NN2018 local organizing committee