

XVIth International Conference on
Electromagnetic Isotope Separators and
Techniques Related to their Applications

EMIS
2012

December 2nd - 7th
MATSUE, JAPAN

<http://ribf.riken.jp/emis2012/>

**The 16th IUPAP International Conference on
Electromagnetic Isotope Separators and
Techniques Related to Their Applications
(EMIS2012)**

2nd December – 7th December, 2012

Matsue, Japan

<http://ribf.riken.go.jp/emis2012/>

E-mail: emis2012@ribf.riken.jp

Final Circular

This is the final circular of the 16th IUPAP International Conference on Electromagnetic Isotope Separator and Techniques Related to Their Applications (EMIS 2012).

This circular contains practical information for participants.

Looking forward to seeing you soon!

The Local Organizing Committee

CONFERENCE VENUE:

EMIS2012 will be held at “Kunibiki-Messe” (Shimane-prefectural convention center, <http://www.kunibikimesse.jp/14.html>) in Matsue. Information on Kunibiki-Messe, its access and a hotel map can be found in a separated document.

In Matsue, the temperature will be 10—15 degrees (Celsius) in daytime and below 5 degrees at night.

If you need further travel information, please inquire through an inquiry form on the registration server (After log-in in the registration server, please click ‘inquiry History’. After that, click ‘new inquiry’). The Japanese travelling company (JTB) can assist your travel.

SCIENTIFIC PROGRAM:

The current version of the scientific program can be found at

<http://ribf01.riken.go.jp/indico/conferenceOtherViews.py?view=standard&confid=1>

Although it is still subject to minor revisions, the overall structure will not be changed.

CONFERENCE DESK:

The conference desk will be open

on Sunday, Dec 2, 5:30 p.m. – 6:30 p.m.,

at Matsue Tokyu-Inn Hotel (during welcome reception)

on Monday, Dec 3, 8:30 a.m. – 12:00 p.m., at the 1st floor of Kunibiki Messe

on and after Tuesday, Dec 4, during lunch time, at the 1st floor of Kunibiki Messe

There, participants will receive a receipt for the registration fee, and a set of conference materials including a bag, a name tag, a program, a pen, a notebook, and some nice things.

ORAL PRESENTATION:

All the talks shown in the program include 5-min discussion. The presenter can use either the conference PC or his/her own PC. In both cases, he/she is asked to check his/her presentation file in advance of his/her talk and to provide the file to the organizer. The presentation files will be open for the conference participants on our password-locked web page. In case modification of the file before exposition is necessary, please contact the organizer (emis2012@ribf.riken.jp).

POSTER PRESENTATION:

The poster session will be held in 18:00–20:00 on 3rd December (in this session, drinks with finger foods will be served), and after the afternoon session of 4th December. The posters can be shown until the noon of 7th, December. The presenter is asked to remove his/her poster in the afternoon of the day or before he/she leaves.

Size of the poster panel is 1200 (w) × 2100 (h) mm² and the poster should be smaller than this size. Pins to fix the poster will be prepared by the organizers. The presenter is asked to put up his poster, **no later than 16:30 on 3rd, December**, on a panel on which your “ID” is indicated.

NETWORK and TERMINALS

Wireless LAN at the conference hall will be available throughout the conference.

We have no plan to prepare computer terminals for participants except for PCs for presentation.

PUBLIC LECTURE:

See appendix.

WELCOME RECEPTION:

A welcome reception will be held at **Matsue Tokyu-inn hotel** (NOT in Kunibiki-Messe!) from 17:00 in the evening of 2nd, December.

CONFERENCE BANQUET

The conference banquet is scheduled in the evening of 6th, December.

The place is Matsue Vogel Park which is a large indoor garden (<http://www.vogel.jp/English/index2.html>). You can enjoy beautiful flowers, nice dishes, and Japanese-traditional performances during the banquet. Just after the afternoon session (at around 17:30), buses to the Vogel Park will leave Kunibiki-Messe. Those who will join the banquet should not miss the bus!

LUNCH:

Buffet-style lunch will be prepared everyday for participants with a name tag.

Do not forget bring your name tag with you!

EXCURSION

On 5th of December (Wed), we will arrange three tours to:

1. Izumo Taisha shrine
2. Adachi Museum and Yaegaki shrine
3. "Tatara" region (Ancient iron processing)

You can join either of them by registering at the web site or by contacting the travel-agency desk next to the registration desk at Kunibiki-Messe. The fee is about 2,000 Japanese yen which is not included in the registration fee. Buses will leave from Kunibiki-Messe after the morning session.

The travel agency desk is open throughout the conference. You can ask them anytime for arrangement and recommendation of your sightseeing.

SATELLITE WORKSHOP:

See appendix.

BEFORE YOUR TRAVEL TO JAPAN

---REGISTRATION and ACCOMMODATION-BOOKING---

Although early registration is over as of 2nd of November, the registration page is open until 25th of November. The registration fee is 45,000 Japanese yen (25,000 Japanese yen for students).

If you have not yet made the registration, please visit the registration page (<http://amarys-jtb.jp/emis2012/>) and follow the procedure shown below;

1. First, click 'Registration and Accommodation' on the conference webpage
2. Next, click ID application and enter your information to create new ID for the registration.
3. After acquisition of new ID, click 'My page' button on the top of the page.
4. Click '+New/Additional Application' button in the Registration area for your registration.
5. Click '+New/Additional Application' button in the Accommodation area for your accommodation booking.

PROCEEDINGS

Proceedings of the conference will be published in Nuclear Instruments and Method B. All speakers and poster presenters are invited to submit their papers. Details will be informed later.

SATELLITE WORKSHOPS

Post workshop on "Low-Energy Radioactive Isotope Beam (RIB) Production by In-Gas Laser Ionization for Decay Spectroscopy" has been scheduled at RIKEN, December 10-11. Additional information is in appendices of this circular and will be posted on the conference web page

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KEK

Y. Hirayama, H. Ishiyama (Scientific secretary), Y. Watanabe

HOST INSTITUTES

Nishina Center for Accelerator-Based Science, RIKEN (Japan)

Institute of Particle and Nuclear Studies, KEK (Japan)

Institute of Modern Physics, Chinese Academy of Science (China)

SPONSORS

Shimane Prefecture

Matsue City

Correspondences

E-mail: emis2012@ribf.riken.jp

For VISA application, please contact H. Ishiyama (scientific secretary of EMIS 2012).

E-mail: hironobu.ishiyama@kek.jp

Appendices

1. Announcement on Public Lectures

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Public Lectures on
Basic and applied science researches relevant to the separation and
acceleration techniques for isotopes
-The world of EMIS (Electromagnetic Isotope Separator)-

At the occasion of the EMIS2012 conference in Matsue city, we are organizing the Public lectures for the Matsue citizen. The expected audiences are high school students and senior general public in Matsue. The lectures are given in Japanese and free of charge.

Date: 2nd, Dec., 2012, 13:00 - 16:30 (interval: 14:30 - 15:00)

Place: "Kunibiki-Messe" Shimane-prefectural convention center

Lecturers and titles:

Nuclei and Universe, and Progress of research technique

Tsutomu Shinozuka (Tohoku Univ., JAPAN)

Perspectives of the light ion cancer therapy

Mitsutaka Kanazawa (HIMAT, JAPAN)

The universe proved by elements

Kaori Otsuki (Fukuoka Univ., JAPAN)

New element search - Alchemy in modern style -

Kosuke Morita (RIKEN, JAPAN)

2. Announcement for satellite workshop

Workshop on Low-Energy Radioactive Isotope Beam (RIB) Production by In-Gas
Laser Ionization for Decay Spectroscopy at RIKEN
December 10-11, 2012, RIKEN-Wako

This is the first announcement for a workshop to be held after the EMIS12 conference on the low-energy RIB production by in-gas laser ionization for decay spectroscopy.

This workshop is primarily motivated as an international collaboration meeting between Japan (KEK, RIKEN) and Belgium (KU Leuven) on the development of the IGLIS (In-Gas Laser Ionization and Spectroscopy) method for the study of r-process nuclei. However, we are going to use this opportunity to discuss other physics cases and to define the technical issues to be addressed, by calling for special attention of the EMIS2012 participants interested in the subject.

Preliminary program:

Equipments overview:

- LISOL separator and the new laser laboratory (KU Leuven) for fusion-evaporation-, and fission reaction
- KISS (KEK) for multi-nucleon transfer reaction using heavy ions
- PALIS (SLOWRI/RIKEN) for high-energy in-flight separated RIs.
- Pre-separator (GARIS2)
- MR-TOF
- Others

Physics cases:

- Life-time measurements,
- Mass measurements,
- Delayed neutron and gamma-measurement,
- Laser spectroscopy (in-source, collinear)
- Others

Technical issues:

- Behavior of the trace elements in gases (stopping, neutralization, chemistry)
- Atomic properties of the elements (atomic levels suited for laser ionization spectroscopy)
- Ion extraction and transportation in low pressure under differential pumping (coupling of the gas jets to radio-frequency ion-optical devices etc...)
- Others

As mentioned above, we want to use this opportunity to discuss more general aspects about related topics in physics and from a technical point of view. Therefore, time slots will be made available for related subjects. If you wish to give a short presentation on any of the above mentioned, or other items relevant to the present scopes, feel free to contact us.

If you are interested in participating, please register by sending an e-mail to sunchan.jeong@kek.jp. The support for travel expenses (domestic travel and accommodation for the present workshop) will be available if requested. The participants should require the financial support on the registration. For the registration, please use the application form attached to the end of this circular. Upgraded information can be found in <http://kekrmn.kek.jp/workshop/postEMIS2012/>.

Sunchan Jeong (KEK),
Piet Van Duppen (KU Leuven),
Mark Huyse (KU Leuven),
Michiharu Wada (RIKEN),
Hiroari Miyatake (KEK)

Registration Form (Registration should be done **before Oct. 31, 2012**)

Name:

Affiliation:

Do you want to give a presentation? Yes / No

➔If Yes, give the title of your talk:

Do you need financial support? Yes / No

Do you need a reservation for your accommodations? Yes / No (only for foreigners!)

➔If Yes, give your dates of check-in and out;
