

**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

Second Circular

This is the second circular of the 16th IUPAP International Conference on Electromagnetic Isotope Separator and Techniques Related to Their Applications (EMIS 2012). This circular contains practical information. We would like to cordially invite you to attend the meeting.

With best regards,

The Local Organizing Committee

COMING SCHEDULES

3 rd October	Distribution of this circular and starting registration and accommodation booking on web page
Beginning of October	Announcement for selected oral or poster presentation
2 nd November	Dead line for early registration and accommodation booking
Beginning of November	Distribution of final circular
25 th November	Dead line for registration and accommodation booking
2 th -7 th December	EMIS 2012 conference

CONTRIBUTIONS

159 contributions were submitted to this conference. A review process to select oral presentations among the contributions is being finished and the results will be distributed very soon.

LIST OF INVITED SPEAKERS

Hamid Ait Abderrahim (SCK • CEN)
Tomoko Abe (RIKEN)
Alan Matthew Amthor (Bucknell U.)
Georg Bollen (FRIB)
Angela Bracco (INFN)
Lorenzo Corradi (LNL, INFN)
João Guilherme Martin Correia
(U. Técnica de Lisboa)
Manoel Couder (Notre Dame U.)
Pierre Delahaye (GANIL)
Mark Huyse (KU Leuven)
Ari Jokinen (Jyväskylä)
Toshio Kobayashi (Tohoku U.)

I-Yang Lee (LBNL)
Daniela Leitner (NSCL)
Yuri Litvinov (GSI and IMP)
Wolfgang Mittig (MSU)
Kosuke Morita (RIKEN)
Szilard Nagy (U. Mainz/MPI)
Thomas Nilsson (Chalmers U.)
Frederique Pellemoine (FRIB)
Thierry Stora (CERN)
Kazuhiro Tanaka (KEK)
Michiharu Wada (RIKEN)
Klaus Wendt (Mainz U.)
Yanlin Ye (Peking U.)

•Public Lecture* (in Japanese) organized by EMIS 2012 LOC

Mitsutaka Kanazawa (HIMAT)
Kosuke Morita (RIKEN)

Kaori Otsuki (Fukuoka U.)
Tsutomu Shinozuka (Tohoku U.)

*Detailed information for Public Lecture is shown in appendices in this circular.

REGISTRATION and ACCOMMODATION

Please register for the conference through the conference webpage following procedures 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.

The early registration fee is 35,000 Japanese yen (25,000 Japanese yen for student). Registered participants can join the welcome reception on Sunday evening, coffee breaks and lunches from Monday to Friday, two poster cocktail, banquet on Thursday (not including the excursion fee). They can also get one copy of the proceedings. After 2nd November, the registration fee will be increased

45,000 Japanese yen (but constant value of 25,000 Japanese yen for student).

Hotel room can be booked via procedure '5'. You can find the locations of hotels in Matsue in this accommodation page.

TRAVEL and VISA INFORMATION

The venue is Matsue, Japan (<http://www.city.matsue.shimane.jp/kankou/en/index.htm>). Matsue-city is located at the west of "Honshu" main island of Japan. The conference site is "Kunibiki-Messe" (<http://www.kunibikimesse.jp/14.html>) Shimane-prefectural convention center.

An overview of access routes to Matsue is found in the following web site: http://www.city.matsue.shimane.jp/kankou/en/getting_en.htm.

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.

Please check visa requirements in due time and acquire the visa prior to your entry to Japan. The web site of the ministry of foreign affairs of Japan is:

http://www.mofa.go.jp/j_info/visit/visa/index.html

Letters of invitation can be provided by the conference organizers upon request as soon as possible (if need, please contact us at emis2012@ribf.riken.jp). Further, for VISA application, it is necessary to prepare 'documents from Japan' before your VISA application to the Japanese embassy/consulate. Those documents can be provided from KEK. For VISA application, please contact directly H. Ishiyama (scientific secretary of EMIS 2012) at hironobu.ishiyama@kek.jp.

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.

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.

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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K. Yoshida (RIKEN, Japan)

LOCAL ORGANIZING COMMITTEE

RIKEN

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T. Sonoda, K. Yoneda (Scientific secretary), K. Yoshida

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 - 17:30 (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://kekrgb.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;
