

**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.jp/emis2012>

E-mail: emis2012@ribf.riken.jp

FIRST CIRCULAR

(modified at 9th August)

Welcome to the EMIS 2012

The conference EMIS 2012 is organized as no.16 in a series of international conferences which started in Harwell 1955 and concentrated mainly on the use of electromagnetic separators and related developments for scientific applications in atomic, nuclear and solid state physics, medical and nuclear engineering. Target and ion source techniques and isotope separation have been central topics in the EMIS conferences. For a few decades, growths and developments of radioactive isotope beam accelerator-facilities in Europe, North America and Asia have highly demanded international discussions and exchanges on new results and techniques to further promote the field. The EMIS 2012, now ranked as an IUPAP conference, has coherently combined these two aspects, spirits of the traditional EMIS and initiatives for radioactive isotope beams facilities (RNB) to become a flag-ship conference in these fields. This conference is organized under collaboration with Japan and China.

Hiro Yoshi Sakurai (RIKEN/UT), Hiroari Miyatake (KEK) and GuoQing Xiao (IMP)

TOPICS

Topics covered by the EMIS2012 are given as

- 1) On and off-line mass separation
- 2) Preparation of energetic radioactive beams
- 3) Target techniques and ion sources
- 4) Techniques related to high-power beams
- 5) Ion guides and gas jets
- 6) In-flight separators and storage rings
- 7) Ion optics and spectrometer
- 8) Mass spectrometry
- 9) Traps and laser techniques

- 10) Equipment for radioactive beam experiments
- 11) Applications
- 12) Reactions for radioactive isotope productions
- 13) Facility initiatives

CONTRIBUTED PAPERS

We call for scientific contributions which will be selected for oral presentations. All participants interested in presenting a contribution are asked to submit an abstract from the conference web site. The abstract should be submitted as a PDF file which is camera-ready. The total length of abstract including figure and references should not exceed one A4 page. MS-Word template can be downloaded from the conference web site. All fonts used should be embedded in the PDF file. The dead line for the abstract submission is **August 11, 2012**.

*** Dead line has been extended to 30th August (since 9th Aug.).**

To submit abstract, you need an account on the conference web site. Please follow the procedure as below:

- 1) First, click the link "Call for abstracts" at the conference web site.
- 2) Next, click the link "Submit a new abstract" at the left side.
- 3) If you don't have an account, please make an account.
- 4) Fill mandatory fields and select a category for your abstract.
- 5) Attach your PDF file, and press "submit" button.
- 6) Later, you will receive a confirmation e-mail.

INVITED SPEAKERS

At the EMIS conference, about 25 speakers are invited to present their works as well as to give a world-wide overview as experts in their fields. A list of invited speakers will be announced in the week of 16th, July.

COMING SCHEDULES

- | | |
|-------------------------|----------------------------------|
| 10 th July | Starting of abstract submission |
| 11 th August | Dead line of abstract submission |

*** Dead line has been extended to 30th August (since 9th Aug.).**

Beginning of September Distribution of next circular and starting early registration and accommodation booking

*** Second circular will be served at the end of September and the early registration**

will start in the middle of August (modified at 9th Aug.).

2nd November

Dead line of early registration and accommodation booking

PROGRAM

The scientific program consists of plenary sessions and parallel sessions. The parallel sessions will be organized in the afternoon of Tuesday and Thursday. Both plenary and parallel sessions have invited and selected talks. The number of invited talks and selected talks are about 25 and 50, respectively. Poster presentations are scheduled in the evening of Monday and Tuesday.

	Sun, 2nd	Mon, 3rd	Tue, 4th	Wed, 5th	Thu, 6th	Fri, 7th
Morning		Opening & plenary	plenary	plenary	plenary	plenary
Afternoon	Public Lecture	plenary	parallel	Excursion	parallel	plenary
Evening	Welcome Reception	poster & Cocktail reception	poster		Banquet	

*** Parallel sessions have been changed to plenary sessions (since 9th, Aug.).**

PROCEEDINGS

The proceedings of the conference will be published by a regular journal “Nuclear Instruments and Methods in Physics Research, Section B (NIMB)”. All contributions including posters are eligible and will be peer-reviewed by referees in the scientific program committee and the international advisory committee.

CONFERENCE VENUE

The venue is Matsue, Japan (<http://www.city.matsue.shimane.jp/kankou/en/index.htm>).

Matsue-city, which has its broad cultural and historical significances, is located at the west of “Honshu” main island of Japan. The region is very famous as the cradle of Japanese myth and civilization.

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. Recommended routes

and their details will be given in next circular.

REGISTRATION AND ACCOMMODATION

Registration is open on web-site at the beginning of September. Registration fee does not exceed 35,000 Japanese Yen. Student discount is being considered. Several hotels are located near the station as well as the conference site within 10 minutes walk distance. Early registration and room booking will start at the beginning of September.

INTERNATIONAL ADVISORY COMMITTEE

J. Aysto (HELSINKI, Finland) , Y. Blumenfeld (CERN, Switzerland) , G. Bollen (MSU, USA) ,
A. Bracco (INFN, Italy) , P. Bricault (TRIUMF, Canada) , A. Chakrabarti (VECC, India) ,
J. Dilling (TRIUMF, Canada) , A. Drouart (CEA, France) , P. van Duppen (KULEUVEN, Belgium) ,
A. Fomichev (JINR, Russia) , F. Gramegna (INFN, Italy) , M. Kanazawa (NIRM, Japan) ,
S. Kim (IBS, Korea) , J. Kluge (GSI, Germany) , T. Kubo (RIKEN, Japan) ,
M. Lewitowicz (GANIL, France) , W. Liu (CIAE, China) , W. Mittig (MSU, USA) ,
J. A. Nolen (ANL, USA) , V. Pantellev (SPB, Russia) , M. Paul (HUJI, Israel) ,
C. Scheidenberger (GSI, Germany) , T. Stora (CERN, Switzerland) , A. Lepine-Szily (USP, Brazil) ,
W. Zhan (IMP, China)

PROGRAMME COMMITTEE

K. Hatanaka (RCNP, Japan) , Jianjun He(IMP, China) , T. Ichihara (RIKEN, Japan) ,
S.C. Jeong (KEK, Japan) , Yong-Kyun Kim (Hanyang U, Korea), Y. Matsuo (RIKEN, Japan) ,
H. Miyatake (KEK, Japan) (Chair) , K. Morita (RIKEN, Japan) , T. Murakami (HIMAC, Japan) ,
Y. Nagame (JAEA, Japan) , A. Odahara (Osaka Univ., Japan) , A. Osa (JAEA, Japan) ,
Y. Sakemi (CYRIC, Tohoku Univ., Japan) , A. Taniguchi (Kyoto Univ., Japan) ,
M. Toyoda (Osaka Univ., Japan) , T. Uesaka (RIKEN, Japan) , M. Wakasugi (RIKEN, Japan) ,
K. Yoshida (RIKEN, Japan)

LOCAL ORGANIZING COMMITTEE

RIKEN

T. Uesaka (Chair), T. Ichihara, T. Isobe, K. Morimoto, T. Ohnishi (Scientific secretary),
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