



17th International Conference on Electromagnetic Isotope Separators and Related Topics (EMIS-2015)

Grand Rapids, Michigan, USA, May 11 -15, 2015

<http://frib.msu.edu/EMIS2015>

Third Circular March 2015

The 17th **International Conference on Electromagnetic Isotope Separators and Related Topics** (EMIS) will be held in Grand Rapids, Michigan, in the United States, on Monday, May 11 through Friday, May 15, 2015. The EMIS-2015 conference will be hosted by Michigan State University.

EMIS is the long-running flagship conference series for the presentation of new and unique instruments and techniques in the field of low-energy nuclear science. EMIS-2015 is proud to be the seventeenth conference in this series.

Scientific topics of EMIS-2015 include:

- Isotope production, target and ion source techniques
- Techniques related to high-power radioactive-ion beam production
- Low-energy and in-flight separators
- Storage rings
- Ion guides, gas catchers, and beam manipulation techniques
- Ion optics and spectrometers
- Ion traps and laser techniques
- Instrumentation for radioactive ion beam experiments
- Applications of radioactive ion beams

Important Dates

- End of Early Registration at reduced rate: 1 April 2015
- End of Hotel Reservations at reduced rate: 10 April 2015
- EMIS-2015 Conference: 11 to 15 May, 2015

Conference Registration

Early registration at the reduced conference fee of \$600 (\$450 for students) is available until **1 April, 2015**. After this date registration will be possible at the late conference fee of \$750. On-line registration is via the [EMIS-2015 website](#); both credit card and bank transfer options are available for payment of the conference fee.

The EMIS-2015 registration desk at the conference hotel will be open on Sunday, May 10 from 4:30 to 8:00 pm and during the conference starting at 7:30 am on Monday, May 11, from 8:00 am on Tuesday, May 12, and part time on the following days.

Hotel Reservation and Travel

Participants will be housed in the Amway Grand Plaza hotel in downtown Grand Rapids, which is also the conference venue. A block of rooms has been reserved at the hotel for participants from Sunday, 10 May through Saturday, 16 May, at a special low rate of \$129/night for the EMIS2015 conference. Please use the link on the [EMIS-2015 website](#) to make reservations within this block or call 1(800)253-3590 before the booking deadline of **10 April 2015**.

The Amway Grand Plaza hotel is located in downtown Grand Rapids close to the Grand River with many attractions and restaurants in walking distance. Grand Rapids is served by the Grand Rapids airport (GRR, 15 minutes from the hotel). The largest airport in Michigan is Detroit Metro (DTW, 160 miles away) with direct flights to many international cities. Grand Rapids can also be reached by car from smaller airports in Lansing (LAN, 65 miles away) and Kalamazoo (AZO, 50 miles away). Note that both Chicago airports (MDW and ORD) are on the west side of Chicago and require approximately four hours driving time to Grand Rapids. There is also a direct train connection between downtown Chicago and Grand Rapids.

The weather in Grand Rapids and surroundings in mid-May is usually very pleasant with an average daily high of 70°F and daily low of 50°F. We expect the weather to be mostly sunny or partly cloudy with some chance of occasional light to moderate rain.

Scientific Conference Program

EMIS-2015 will have a five-day program as indicated in the overview given below. The program consists of sessions with oral contributions and invited talks, two poster sessions, conference excursion options on Wednesday and the conference banquet on Thursday. A visit to FRIB/NSCL in East Lansing will be organized for interested participants on Saturday morning, 16 May, including transportation back to Grand Rapids in the afternoon.

Program overview

	May 10 Sunday	May 11 Monday	May 12 Tuesday	May 13 Wednesday	May 14 Thursday	May 15 Friday	May 16 Saturday
8:45		Welcome					Visit to FRIB and NSCL
9:00		Isotope production, target and IS techniques	Low-energy and inflight separators	Ion guides, catchers, beam manipulation	Ion guides, catchers, beam manipulation	Low-energy and inflight separators	
9:30							
9:50							
10:10		coffee	coffee	coffee	coffee	coffee	
10:30		Ion optics and spectrometers	Instrumentation+Applications	Ion guides, catchers, beam manipulation + Facilities	Ion traps and laser techniques	Instrumentation + Applications	
11:00							
11:30							
11:50							
12:10		lunch	lunch	lunch	lunch	lunch	
12:30		Applications	Isotope production, target and IS techniques	Conference Excursions	Ion optics and spectrometers	Storage rings	
13:00							
14:00							
14:30							
14:50							
15:10		coffee	coffee	coffee	coffee		
15:30		Applications + Facilities	Isotope production, target and IS techniques + Facilities	Conference Excursions	Applications	Concluding remarks	
16:00	Registration						
16:30							
16:50		Poster Session	Poster Session	Conference Excursions	Applications	end conference	
17:10							
17:30							
18:00	Welcome Reception						
19:00					Conference Dinner		
20:00							

The following speakers will present invited talks highlighting the central scientific topics of the EMIS-2015 program on the advice of the International Advisory Committee:

Matthew Amthor, Bucknell U., USA
 Michael Block, GSI, Germany
 Pierre Bricault, TRIUMF, Canada
 Peter Butler, Liverpool, UK
 Jacklyn Gates, LBNL, USA
 Ioannis Giomataris, CEA-Irfu, France
 Alexander Gottberg, CERN, Switzerland
 Stéphane Grévy, CENBG, France
 Toshiyuki Kubo, RIKEN, Japan

Ania Kwiatkowski, TRIUMF, Canada
 Bruce Marsh, CERN, Switzerland
 Peter Müller, ANL, USA
 Takashi Nakamura, Tokyo Tech, Japan
 Monika Stachura, TRIUMF, Canada
 Rick Vondrasek, ANL, USA
 Robert Wolf, Heidelberg, Germany
 Yuhu Zhang, IMP, China

Oral and Poster Presentations

The time allocated for oral contributions is 17(+3) min and 25(+5) min for invited talks. Presentation files need to be uploaded or transferred to a computer connected to the projector prior to the session in which the presentation is made.

The space available for poster presentations is 40" wide x 46" high (1 m x 1.15 m). All posters should be attached to the poster boards prior to the first poster session on Monday evening. All poster spaces will be clearly marked with the abstract ID number. The posters will be located very near the main conference room and available for viewing during the first four days of the conference.

Meals, Social Events and Excursion

A welcoming reception will take place Sunday, 10 May, from 6-8 pm. Coffee breaks will be provided on Monday through Friday. Lunch and evening meals are on your own except for a bagged lunch prior to the conference excursions and the conference banquet. The conference excursions are scheduled for Wednesday afternoon, 13 May; a variety of choices will be offered that can be selected as part of the on-line conference registration. The options include Dune Rides in Michigan's Great Sand Dunes and a visit to Grand Haven, a tour of Grand Rapids craft breweries, a visit to the Frederick Meijer Gardens, a Grand Rapids museums tour, or an historical and architectural tour. The conference banquet will take place on Thursday evening, 14 May.

Proceedings

As is traditional for the EMIS conference, the refereed Proceedings will be published in Nuclear Instruments and Methods.

All contributions describing work presented at the meeting including posters are eligible for inclusion in the Proceedings that will be peer-reviewed. EMIS-2015 participants will receive a printed copy of the proceedings. The maximum lengths of the written contributions are: 4 printed pages for posters, 5 printed pages for oral contributions, and 6 to 7 printed pages for invited talks. The tentative submission deadline for manuscripts is **15 September, 2015** with a target publication date for the Proceedings in May 2016.

Sponsorship

EMIS-2015 has been selected for IUPAP Sponsorship. EMIS-2015 will be conducted in accordance with IUPAP principles as stated in the IUPAP resolution passed by the General Assembly in 2008. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

Workshop on Active Targets and Time Projection Chambers for Nuclear Physics Experiments

EMIS-2015 will be followed by the *Workshop on Active Targets and Time Projection Chambers for Nuclear Physics Experiments*, May 18-20, 2015, at Michigan State University. For more information see <https://indico.fnal.gov/conferenceDisplay.py?confId=8976>.

International Advisory Committee

- Klaus Blaum (MPI-Heidelberg, Germany)
- Yorick Blumenfeld (IN2P3-Orsay, France)
- Angela Bracco (INFN and U. Milano, Italy)
- Alok Chakrabarti (VECC, India)
- Manoel Couder (U. Notre Dame, USA)
- Jens Dilling (TRIUMF, Canada)
- Andrey Fomichev (JINR, Russia)
- Mark Huyse (KU-Leuven, Belgium)
- Ari Jokinen (JYFL, Finland)
- Yongkyun Kim (Hanyang U., South Korea)
- Rubens Lichtenthaler (RIBRAS, Brazil)
- Atsuko Odahara (U. Osaka, Japan)
- Frederique Pellemoine (MSU, USA)
- Hiro Sakurai (RIBF, Japan)
- Herve Savajols (GANIL, France)
- Guy Savard (ANL, USA)
- Ido Silverman (SOREQ, Israel)
- Helmut Weick (GSI/FAIR, Germany)
- Frederick Wenander (CERN, Switzerland)
- GuoQing Xiao (IMP, China)

Local Organizing Committee

- Georg Bollen, FRIB (Chair)
- Daniela Leitner, LBNL
- Wolfgang Mittig, NSCL
- Dave Morrissey, NSCL
- Stefan Schwarz, NSCL
- Antonio Villari, FRIB

Contacts

Please address questions about the EMIS-2015 conference to:

EMIS-2015 Secretary Janell Kebler

640 South Shaw Lane

Michigan State University

East Lansing, Michigan, USA 48824

Email: emis2015@frib.msu.edu

Fax: ++1-517-353-5967