



2nd circular - FAIR2014 - <http://fair2014.gsi.de>

We would like to invite you to join us at the **International Conference of Science and Technology for FAIR**. Experts of all scientific and technical disciplines will discuss the present status, recent developments, and first experiments at FAIR.

The conference brings together the expertise of all FAIR communities and will allow us to discuss future prospects and instrumentations across all four pillars

- Atomic, Plasma and Applied Physics (APPA),
- Compressed Baryonic Matter (CBM),
- Nuclear Physics (NUSTAR), and
- Hadron Physics (PANDA).

Besides fundamental physics, the topics also include detector and accelerator technologies as well as data handling.

By bringing together experienced scientists and young talented researchers from theory and experiment, we expect stimulating scientific discussion and great impetus on startup experiments at FAIR and beyond.

(more info on FAIR see also <http://fair-center.eu>)

The conference is co-organized by the Nuclear Physics Division of the EPS.

VENUE

The conference will be held at the conference center “Das Wormser” (<http://www.das-wormser.de>) near the central train station in the heart of Worms.

Worms is one of the oldest German cities located about 60 km south of Frankfurt. Information about how to reach that location is available under “Directions” on the conference website.

SCIENTIFIC PROGRAM

The conference contributions are based on plenary invited talks, which present the status and developments of the scientific cases related to FAIR including the scientific landscape as well as international competition. An important goal is to identify and explore the science in the first years of operation. The plenary talks will be

complemented by discussion panels, involving some shorter presentations to trigger discussions, new ideas, and synergies in any of the topical areas of the conference. Detailed contributions from the scientific communities are invited to be presented in the poster session.

The program is organized by the **International Program Committee (IPC)** with the help of the **International Advisory Committee (IAC)** and is available in detail online.

Invited plenary speakers:

T. Aumann (GSI), T. Azuma (RIKEN), V. Bagnoud (GSI), K. Blaum (MPI Heidelberg), O. Boine-Frankenheim (GSI), D. Budker (HI Mainz), G. Cuttone (LNS Catania), P. Gianotti (LNF Frascati), A. Golubev (ITEP), R. Hayano (U Tokyo), N. Herrmann (U Heidelberg), E. Lamour (INS Paris), N. Kalantar (KVI-CART), K. Knie (GSI), M. Lang (U Tennessee), S. Lange (U Gießen), M. Lewitowicz (GANIL), T. Kubo (RIKEN), X. Ma (Lanzhou), G. Martinez-Pinedo (GSI), J. Messchendorp (KVI-CART), L. Musa (CERN), P. Navratil (TRIUMF), P. Neumayer (GSI), W. Nörtershäuser (TU Darmstadt), J. Pietraszko (GSI), J. Pochodzalla (U Mainz), E. Popova (Moscow), R. Rapp (Texas A&M), D. Riley (Belfast), J. Ritman (FZ Jülich), P. Rossi (JLab), A. Rustamov (U Frankfurt), A. Schmah (LBNL), R. Schmidt (U Tübingen), P. Schnizer (GSI), P. Senger (GSI), D. Severin (GSI), B. Sherill (MSU), H. Simon (GSI), U. Spillmann (GSI), A. Szczepaniak (U Indiana), I. Tanihata (RCNP Osaka), E. Widman (SMI Vienna), N. Xu (LBNL), Z. Xu (BNL)

PROGRAM OUTLINE

Monday, Oct. 13

9:00 – FAIR Overviews I – IV
FAIR project,
Accelerators: Primary and Secondary beams,
SPARC and FLAIR, HedgeHob and BIOMAT,
CBM and HADES,
NuSTAR,
PANDA,
and Future Computing

19:00 – Welcome Reception

Tuesday, Oct. 14

9:00 – Hadron Physics I
11:00 – Heavy Ion Physics I
14:00 – Instrumentation I
16:15 – Hadron Physics II
18:00 – Poster Session

Wednesday, Oct. 15

9:00 – Applied, Plasma and Atomic Physics
11:10 – Heavy Ion Physics II
14:00 – “Day 1” Experiments in Applied, Plasma and Atomic Physics
16:45 – “Day 1” Experiments with CBM
19:30 – Conference Dinner

Thursday, Oct. 16

- 9:00 – Radioactive Isotope Beam Facilities and Instrumentation II
- 11:15 – Hadrons Physics III
- 14:15 – “Day 1” Experiments with PANDA
- 16:20 – Nuclear Physics I

- 20:30 – Evening Talk

Friday, Oct. 17

- 9:00 – Nuclear Physics II and Instrumentation III
- 11:40 – “Day 1” Experiments with NUSTAR

REGISTRATION

Please register online until **Oct 1, 2014** at:
<http://fair2014.gsi.de> under menu item “Registration Form”.

After Oct 1, 2014, you may also register at the conference desk or by phone or e-mail to fair2014@gsi.de. More details will be available in the 3rd circular.

Conference Fees

Students	180 EUR
EPS Members	280 EUR
Non EPS Members	380 EUR
Late Registration	+100 EUR

Early payment is possible until September 1, 2014

The fee includes online proceedings, coffee breaks, welcome reception, and the conference dinner.

ABSTRACT SUBMISSION

All participants and in particular students are invited to submit abstracts for poster contributions. Posters will be presented in the lobby throughout the conference and during a dedicated poster session on Tuesday, Oct 14, from 18-20h.

ACCOMMODATION

We ask all participants to make their own hotel reservation directly with the hotel of their choice. The list of hotels is posted at the “Accommodation” section on the conference website <http://fair2014.gsi.de>.

For the conference, a contingent of hotel rooms is available until **August 12, 2014**. Please use the keyword '**Kontingent GSI**' for booking.

VISA

Participants, who are not EU citizens, are strongly encouraged to check on visa requirements.
http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Visabestimmungen_node.html
If you need an invitation letter, please contact the local organizers.

CONTACT INFORMATION

eMail: fair2014@gsi.de

Looking forward to welcoming you in Worms!

Klaus Peters

On behalf of the
IPC and the Local Organizing Committee

LOCAL ORGANIZATION COMMITTEE

Klaus Götzen
Alexander Herlert
Johann Heuser
Anja Meergans
Diana Nicmorus (scientific secretary)
Klaus Peters (chair)
Christina Trautmann

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International Conference on **FAIR** in Europe
Science and Technology for

