

First Announcement

PHEDM-Hirschegg Workshop 2018

The 38th Hirschegg meeting on High Energy Density Physics provides an international forum to discuss high energy density physics including fundamental science, intense laser and particle beams interaction with matter and inertial confinement fusion. Following the tradition of the "Hirschegg Workshops", the special atmosphere and schedule will leave enough time for discussions among participants. The conference organization does especially encourage the participation of young researchers and students.

The 2018 meetings starts on **Sunday, January 28th** (arrival and registration starting at 4 p.m.) and ends on Friday, February 2nd, 2018.

As is the tradition, the scientific program will be conducted at the [Darmstädter Haus](#) from Monday morning until Friday noon. Due to the size of the conference room, participation is limited to about 100 participants. Invitation letters for visa application will be sent on request.

Scientific Topics

We encourage contributions on recent achievements in the following subjects:

- Properties of high energy density matter created by intense ion beams and lasers (EOS, phase transitions in dense plasmas, transport, and relaxation)
- Beam-plasma interactions (lasers, ion beams, pulsed power)
- Particle acceleration and generation of intense beams
- Relativistic laser-plasma interactions
- Diagnostic methods for high energy density matter
- Accelerator issues of intense beams
- Inertial fusion including shock ignition, fast ignition and magnetized targets
- Hydrodynamic simulations and instabilities

Publication and awards:

- 1) Participants are invited to submit manuscripts of their work presented at Hirschegg to: Laser and Particle Beams, Cambridge University Press
- 2) Young Scientist Award: There will be an award for one young scientist honoring his or her extraordinary oral presentation. The award endowed with €2.000 towards the participation of an international conference and a certificate. Details about application and nominations for the LPB young scientist award will be sent out with the second announcement.
- 3) Poster Award for young researcher (€100)

Conference Fee

The conference fee is €125,00 per participant when paid on or before **December 15, 2017** by bank transfer to:

Beneficiary: TU Darmstadt

Bank: Stadt- und Kreissparkasse Darmstadt

IBAN: DE36 5085 0150 0000 7043 00

SWIFT/BIC: HELADEF1DAS

VAT-ID: DE 111 608 628

Payment reference: 050308-58200291, 38th Hirschegg Meeting PHEDM, **Name and Institute**

All bank charges must be paid by the payer.

After this deadline or if paid at the conference, the fee is €150,00. During the conference, the fee must be paid in cash. The cancellation charge is €50,00 after the deadline.

The conference fee covers overhead, refreshments during coffee breaks, and the conference dinner on Wednesday. Accompanying persons joining the dinner are charged separately (€45,00).

Accommodation

We can offer low cost accommodation for 62 participants at the Darmstädter Haus. There are only a few single and double rooms available. Students should sign up for four bed rooms, which have separate shower and WC.

Please make sure to pay your accommodation at the Darmstädter Haus together with the conference fee on or before December 15, 2017! Cancellation of booking will not be refunded after this deadline.

For further information and registration please see our website:

<http://indico.gsi.de/event/6348/>

We look forward to welcome you at the meeting

Paul Neumayer
Scientific Chairman of the Workshop

and

Dieter HH Hoffmann
Scientific Secretary of the Workshop