

HEDS2013



INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2013

Co-located with Optics & Photonics International
Congress 2013

<http://www.ppc.osaka-u.ac.jp/heds2013/>



April 23 (Tue.) – 26 (Fri.), 2013
Pacifico Yokohama
Yokohama city, Japan

Call for Paper

OBJECTIVE

High energy density sciences based on high power lasers, ultra-high energy particle accelerators, and astrophysics have been boosted recently with the mastering of powerful laser chains that deliver ultra-short and intense laser beams. Strong vacuum polarization, high energy particles, femtosecond duration mono-energetic electron beams and x-rays come to reality to give us new fundamental knowledge and unique instruments both for basic researches and for industry.

INTERNATIONAL CONFERENCE on HIGH ENERGY DENSITY SCIENCES 2013 (HEDS 2013) is being organized to share information on high energy density sciences and related technologies. The conference will be held at Pacifico Yokohama, Yokohama city, Japan, on April 23- 26, 2013 with the sponsorship of the Laser Society of Japan, and Japan Science and Technology in cooperation with several academic societies and associations. The HEDS 2013 is intended to provide a central forum for the update and review of scientific and technical information on high energy density sciences covering a wide range of fields from basic sciences to applications.

SCOPE

HEDS 2013 covers the high energy density sciences with high power lasers and its application in the following major topical fields;

A. High-Energy Density Matters

High-Pressure Condensed Matters, Warm and Hot Dense Matters, Atomic and Plasma Physics, Shock Physics, Phase Transitions, et al.

B. Material Sciences

Dynamic Material Properties, Deformation and Fracture, Ultrafast Heating, Shock Processing, Novel Processing, et al.

C. Planetary Sciences

Geosciences, Gaseous and Icy Planets, Exoplanets, Meteor Impacts Equation of State, Phase Diagram, et al.

D. Quantum Beam and Applications

X-ray Free Electron Lasers (XFEL), Plasma Photonics, Electron Acceleration, Proton and Ion Beams, Novel Quantum Sources, et al.

REGISTRATION

Please register online in OPIC 2013 site for HEDS2013

OPTICS&PHOTONICS International Congress 2013 (OPIC 2013)

Ten international conferences held simultaneously. By registering for this conference, you can participate in all international conferences.

- The 2nd Advanced Lasers & Photon Source (ALPS'13)
- The 2nd Laser Display Conference (LDC'13)
- Conference on Laser Surgery and Medicine (CLSM2013)
- International Conference on High Energy Density Science 2013 (HEDS2013)
- Conference on Laser and Accelerator Neutron Sources and Applications 2013 (LANSA2013)
- International Symposium on Laser Processing for CFRP and Composite Materials 2013 (LPCC'13)
- International Conference on Laser Applications in Nuclear Engineering (LANE'13)
- Laser Ignition (CLSM2013)
- LED and its Industrial Applications (LEDIA)
- The 1st Conference on Biomaterial, Food, Agriculture (SeTBio'13)

And it will be held the International laser strategy symposium in the main hall on April 23 (Wed).

OPIC2013 Web site <http://opicon.jp>

EXHIBITION

OPTICS & PHOTONICS International 2013 Exhibition will be held simultaneously on April 23 (Tue)-26 (Fri) at Pacifico Yokohama.

SUBMISSION OF PAPERS

A 300 word abstract and a contact information form should be submitted to the program committee by e-mail. The abstract and the contact information template will be available through the Web site.

(heds2013@ppc.osaka-u.ac.jp),

Please, no later than Dec.20, 2011.

CONFERENCE PROCEEDINGS

For the conference proceedings, either a presentation file or a 2-page paper written in English, including text, figures, tables, and references will be required. The paper template will be available through the Web site.

<http://www.ppc.osaka-u.ac.jp/heds2013/>

If you will submit your presentation file for the proceedings, please change its format from power point to PDF. Either of the PDF file or/and 2-pagepaper should be submitted via email to heds2013@ppc.osaka-u.ac.jp

The resolution should be enough for printing. If you have Adobe Acrobat, use "press quality" in PDF setting (conversion setting). The size of PDF file should not exceed 3.5MB because of mail system limitation. If you cannot fit to this, contact to heds2013@ppc.osaka-u.ac.jp

POSTER SESSION

The author(s) of poster presentations will be informed of the size of bulletin board for displaying summary, figures, tables, etc., when selected as poster papers.

POST DEADLINE PAPERS

A limited number of post deadline papers will be accepted for presentation at post deadline sessions.

OFFICIAL LANGUAGE

The official language of HEDS 2013 is English.

PLENARY TALKS

The speaker will be updated in the conference website

INVITED TALKS

The invited speaker list will be updated in the conference website.

FURTHER INFORMATION

The latest information on the conference will be presented on the Web site:

<http://www.ppc.osaka-u.ac.jp/heds2013/>

HEDS 2013 COMMITTEE MEMBERS

Conference chair

Ryosuke Kodama (Osaka Univ., Japan)

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Norimasa Ozaki (Osaka Univ., Japan)
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Secretariat

Yukio Ogura (Optronics Co., Ltd.)
Naoki Ueno (Optronics Co., Ltd.)

LOCATION OF CONFERENCE SITE

The HEDS 2013 takes place at Pacifico Yokohama, Yokohama city, Kanagawa prefecture, JAPAN. Yokohama city, the center of Kanagawa prefecture is located south of Tokyo. Pacifico Yokohama is conveniently located about 40 min. by Limousine Bus from Haneda Airport and 90 min. from Narita Airport.

Pacifico Yokohama

1-1-1 Minato Mirai, Nishi-ku, Yokohama
220-0012, Japan

<http://www.pacifico.co.jp/english/index.html>

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