

# Call for Paper, Deadline: Dec. 20 (Fri.) 2013

## INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2014



April 22 (Tue.) – 25 (Fri.), 2014  
Pacifico Yokohama

Co-located with  
Optics & Photonics International Congress 2014

# HEDS2014

<http://www.ppc.osaka-u.ac.jp/heds2014/>

Sponsored by *Laser Society of Japan*,

### 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 2014 (HEDS 2014) 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 22- 25, 2014 with the sponsorship of Laser Society of Japan, in cooperation with several academic societies and associations. The HEDS 2014 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 2014 covers the high energy density sciences with high power lasers and its application in the following major topical fields;

- A. Plasma photonics :  
Ultra-strong fields, THz radiation, X-rays, Vacuum polarization,
- B. Quantum beam generation :  
Electron, positron, ion, meson and other exotic particle beams,  
X-ray Free Electron Lasers (XFEL),
- C. Imaging Technologies :  
Ultrafast imaging with novel particle and radiation sources,

### COMMITTEE MEMBERS

#### Conference Chair

Ryosuke Kodama (Osaka Univ.)

#### Local Organizing Committee

Tomonao Hosokai (Osaka Univ., Japan)

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## REGISTRATION

### Registration Fees (Membership)

	Before/On Mar. 20, 2014	After Mar. 20, 2014
Conference (General)	¥40,000	¥45,000
(Student, Retiree)	¥18,000	¥21,000

### Registration Fees (Nonmember)

	Before/On Mar. 20, 2014	After Mar. 20, 2014
Conference (General)	¥45,000	¥50,000
(Student, Retiree)	¥21,000	¥23,000

## OPTICS&PHOTONICS International Congress 2014 (OPIC 2014) <http://opicon.jp/2014/index.html>

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

- The 3rd Advance Lasers and Photon Sources 2014 (ALPS'14)
- Biomedical Imaging and Sensing Conference 2014 (BISC'14)
- Conference on LED and its industrial application 2014 (LEDIA'14)
- The 2nd. Laser Ignition Conference 2014 (LIC'14)
- The 1st Optical Manipulation Conference (OMC'14)
- Pacific Rim Laser Damage (PLD'14)
- The 1st Conference on Laser and Synchrotron Radiation Combination Experiment 2014 (LSC'14)

And it will be held the International laser strategy symposium in the main hall on April 22 (Tue).

### Exhibition

OPTICS & PHOTONICS International 2014 Exhibition will be held simultaneously on April 22-25 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. ([heds2014@ppc.osaka-u.ac.jp](mailto:heds2014@ppc.osaka-u.ac.jp)), **no later than Dec.20, 2013.**

## 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 and abstract template will be available through the Web site.

## 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 2014 is English.

## PLENARY, INVITED TALKS and FURTHER INFORMATION

The speaker and latest information on the conference will be presented on the Web site.

## LOCATION OF CONFERENCE SITE

The HEDS 2014 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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