

Call for Paper, Submission starts

On 15th September 2017

INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2018



<http://opicon.jp/>

Sponsored by *Japan Society for the Promotion of Science*



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. Prospects of projects newly opened in USA, France, UK, Germany, and Japan are of particular interest for discussion.

INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2018 (HEDS2018) 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- 27, 2018 with the sponsorship of Laser Society of Japan, in cooperation with several academic societies and associations. The HEDS2018 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

HEDS2018 covers the high energy density sciences with high power lasers and its application in the following major topical fields;

- A. Quantum beam generation and applications:
Electron, positron, ion, meson, and other exotic particle beams,
X-ray free electron lasers (XFEL),
- B. Imaging Technologies:
Ultrafast imaging with particle and radiation sources, novel imaging systems
- C. Plasma photonics:
Ultra-strong fields, THz radiation, X-rays, Vacuum polarization,
PW-class laser induced plasma kinetics

COMMITTEE MEMBERS

Conference Chair

Tomonao Hosokai (Osaka Univ., Japan)

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REGISTRATION

Registration Fees (Membership)

	Before/On April 5, 2018	April 6 - 20, 2018, and On-site
Conference (General)	¥55, 000	¥60, 000
(Student, Retiree)	¥18, 000	¥21, 000

Registration Fees (Nonmember)

	Before/On April 5, 2018	April 6 - 20, 2018, and On-site
Conference (General)	¥65, 000	¥70, 000
(Student, Retiree)	¥21, 000	¥23, 000

OPTICS&PHOTONICS International Congress 2018 (OPIC2018) <http://opicon.jp/>

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

The 7th Advanced Lasers and Photon Sources 2018(ALPS2018)

The 4th Biomedical Imaging and Sensing Conference 2018(BISC2018)

International Conference on Nano-photonics and Nano-optoelectronics 2018(ICNN2018)

IoT Enabling Sensing/Network/AI and Photonics Conference 2018(IoT2018)

Laser Display and Lighting Conference 2018(LDC2018)

The 6th International Conference on Light-Emitting Devices and Their Industrial Applications 2018(LEDIA2018)

The 6th Laser Ignition Conference 2018(LIC2018)

Conference on Laser and Synchrotron Radiation Combination Experiment 2018(LSC2018)

Laser Solution for Space and the Earth 2018(LSSE2018)

The 5th Optical Manipulation Conference 2018(OMC2018)

Pacific Rim Laser Damage 2018(PLD2018)

The 3rd Smart Laser Processing Conference 2018(SLPC2018)

International Conference on X-ray Optics and Applications 2018(XOPT2018)

Exhibition

OPTICS & PHOTONICS International Exhibition, OPIE'18 will be held simultaneously on April 25-27 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 to "heds2018@ppc.osaka-u.ac.jp". The abstract and the contact information template will be available through the Web site.

From September 15th, 2017 and the deadline is no later than Dec, 14 2017.

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 HEDS2018 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 HEDS2018 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>

Transportation Guide: TEL +81-45-221-2166

Information: TEL +81-45-221-2155& FAX +81-45-221-2136



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