

Call for Paper, Submission starts

On 1st October 2018

INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2019



<http://opicon.jp/>

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 PW class laser beams. 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. Number of researches in novel directions such as plasma and nuclear photonics, and others, are rapidly growing. Prospects of projects newly opened in US, EU, China, Korea and Japan are of particular interest for discussion.

INTERNATIONAL CONFERENCE ON HIGH ENERGY DENSITY SCIENCES 2019 (HEDS2019) 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, 2019 with the sponsorship of Laser Society of Japan, in cooperation with several academic societies and associations. The HEDS2019 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 fundamental sciences to applications.

SCOPE

HEDS2019 covers the high energy density sciences with high power lasers and its application in the following major topical fields;

- A. Quantum beam generation with plasma 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
- D. Nuclear Photonics
 - Laser-plasma nuclear physics, Photon-enabled neutron/positron generation and science,
 - Nuclear astrophysics and cosmology

COMMITTEE MEMBERS

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REGISTRATION

Registration Fees (Membership)

	Before/On April 8, 2019	April 9 - 18, 2018, and On-site
Conference (General)	¥55, 000	¥60, 000
(Student, Retiree)	¥18, 000	¥21, 000

Registration Fees (Nonmember)

	Before/On April 8, 2019	April 9 - 18, 2019, and On-site
Conference (General)	¥65, 000	¥70, 000
(Student, Retiree)	¥21, 000	¥23, 000

OPTICS&PHOTONICS International Congress 2019 (OPIC2019) <http://opicon.jp/>

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

The 8th Advanced Lasers and Photon Sources 2019 (ALPS2019)
The 5th Biomedical Imaging and Sensing Conference 2019 (BISC2019)
International Conference on Nano-photonics and Nano-optoelectronics 2019 (ICNN2019)
IoT Enabling Sensing/Network/AI and Photonics Conference 2019 (IoT-SNAP2019)
Information Photonics 2019 (IP2019)
Laser Display and Lighting Conference 2019 (LDC2019)
The 7th International Conference on Light-Emitting Devices and Their Industrial Applications 2019 (LEDIA2019)
The 7th Laser Ignition and Giant-microphtonics Conference 2019 (LIC2019)
Laser Solution for Space and the Earth 2019 (LSSE2019)
The 6th Optical Manipulation Conference 2019 (OMC2019)
Optical Wireless and Fiber Power Transmission Conference 2019 (OWPT2019)
International Conference on X-ray Optics and Applications 2019 (XOPT2019)

Exhibition

OPTICS & PHOTONICS International Exhibition, OPIE'19 will be held simultaneously on April 24-26 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 "heds2019@lie.osaka-u.ac.jp". The abstract and the contact information template will be available through the Web site.

From October 1st, 2018 and the deadline is no later than Dec, 14 2018.

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 HEDS2019 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 HEDS2019 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



Contact address : heds2019@lie.osaka-u.ac.jp