

# ALPS'17

The 6th **A**dvanced **L**asers  
and **P**hoton **S**ources 2017

18-21 Apr. 2017, Pacifico Yokohama, Japan

## *Call for Papers*

Submission deadline is: **12(Mon.) Dec. 2016**

VISIT <http://alps-conference.org/2017/> for more information



## Objective

The 6th "Advanced Lasers and Photon Sources Conference" (ALPS'17) will be held at Pacifico Yokohama, Yokohama, Japan on Apr. 18-21, 2017 in the frame of the Optics & Photonics International 2017 Congress, which consists of thirteen optics-related scientific conferences.

In this meeting we intend to discuss the recent topics of progress in lasers and photonic science. Specially, we expect broad research works of laser sources covering the fundamental researches to industrial applications. During the congress, Optics and Photonics International Exhibition is held jointly at the congress site.

## SCOPE

- **Novel optical materials / structure and applications**
- **High average power lasers and applications**
- **High peak power lasers, high pulse energy lasers and applications**
- **Novel solid state / fiber / diode lasers and applications**
- **Short wavelength light sources and applications**
- **Terahertz devices, nonlinear optics and applications**
- **Novel optical devices, materials, structure and applications**
- **Optical devices and techniques for bio and medical applications**
- **Optical frequency combs/Frequency stabilized lasers and applications**

# Committee

## CONFERENCE CHAIR

**Hitoki Yoneda**, Univ. of Electro-Commun., Japan

## STEERING CHAIR

**Fumihiko Kannari**, Keio Univ., Japan

## PROGRAM CHAIR

**Hiromitsu Kiriya**, QST, Japan

## Co-located conferences and exhibition

The Advanced Lasers & Photon Sources Conference (ALPS'17) is one of the conferences of **OPTICS & PHOTONICS International Congress 2017(OPIC'17)** that consists of thirteen conferences and an exhibition. The other twelve co-located conferences and exhibition are

- The 3rd Biomedical Imaging and Sensing Conference(BISC'17)
- The 4th Optical Manipulation Conference (OMC'17)
- Conference on Laser Energy Science(CLES'17)
- Laser and Accelerator Neutron Sources and Applications 2017 (LANSA'17)
- International Conference on High Energy Density Science 2017 (HEDS2017)
- International Conference on Nanophotonics and Nanooptoelectronics (ICNN2017)
- Information Photonics 2017 (IP'17)
- Laser Display and Lighting Conference 2017 (LDC'17)
- The 5th International Conference on Light-Emitting Devices and Their Industrial Applications (LEDIA'17)
- Light driven Nuclear-Particle physics and Cosmology (LNPC'17)
- Laser Solution for Space and the Earth (LSSE2017)
- International Conference on X-ray Optics and Applications 2017 (XOPT'17)
- Optics & Photonics International Exhibition (OPIE'17)

~300 Exhibitors and >15,000 visitors during the last OPIE'16

Anyone who is registered at ALPS'17 is admitted to the other conferences.

Sponsored & organized by **The Laser Society of Japan**



Collocated with **OPTICS & PHOTONICS International Congress 2017**



OPTICS & PHOTONICS International Exhibition  
**OPIE'17**

# Invited Speakers

Chen-Bin Huang, National Tsing Hua Univ., Taiwan  
"Ultrafast nonlinear conversion in plasmonic circuit(tentative)"

Christian Kränkel, Institut für Laser-Physik, Universität Hamburg, Germany  
"Semiconductor laser pumped visible rare-earth doped lasers(tentative)"

Constantin Haefner, NIF Photon Science LLNL, USA  
"High Average Power Petawatt Laser Systems enabling the transition from proof-of-principle experiments to commercial applications(tentative)"

Fabian Rotermund, KAIST, Korea  
"Broadband ultrafast nonlinear photonics in nanocarbons"

Hiromitsu Kiriya, QST, Japan  
"J-Karen upgrade to over 1 PW"

Ingmar HartlIDESY, Germany  
"TBA"

Jinghua Teng, Institute of Materials Research and Engineering, Singapore  
"Tunable and reconfigurable terahertz devices(tentative)"

Jiping ZouLULI, France  
"Apollon 10 PW project(tentative)"

Jérôme Genest, Université Laval, Canada  
"A new dual comb laser platform and new correction algorithms"

Kazuaki Sakoda, NIMS, Japan  
"TBA"

Kensuke Shima, Fujikura Ltd., Japan  
"3 kW single mode fiber laser for materials processing"

Mathias Siebold, Helmholtz-Zentrum Dresden - Rossendorf, Germany  
"PEnELOPE laser system(tentative)"

Norihiko Nishizawa, Nagoya Univ., Japan  
"Ultrahigh resolution OCT with broadband fiber lasers"

Paul B. Corkum, University of Ottawa, USA  
"TBA"

Tomomi Nemoto, Hokkaido Univ., Japan  
"In vivo two-photon imaging of brain and neurons using a high-peak power gain-switched laser diode(tentative)"

Xinke Wang, Capital Normal Univ., China  
"Development and Application of Terahertz Focal-Plane Imaging Technique"

Yasushi Fujimoto, Osaka Univ., Japan  
"Visible laser oscillation in Pr-doped waterproof fluoro-aluminate glass fiber(tentative)"

Valentin Petrov, Max Born Institute, Germany  
"Recent progress of new nonlinear-optical crystals"

The information is to be updated.