Call for Papers

ALPS '12



The 1st Advanced Lasers and Photon Sources

Co-located with Optics & Photonics International 2012

http://alps2012.riken.jp/

Sponsored & Organized by The Laser Society of Japan, LSJ



April 26 (Thu.) – 27 (Fri.), 2012 Pacifico Yokohama Yokohama, Japan

Paper Deadline: Dec. 20 (Tue.) 2011

OBJECTIVE

The 1st Advanced Lasers and Photon Sources" Conference (ALPS'12) will be held at Pacifico Yokohama, Yokohama, Japan on April 26-27, 2012 in the frame of the Optics & Photonics International 2012 Congress, which consists of five optics-related scientific conferences. The ALPS is intended to provide an international forum for the recent progress of lasers and photon sources covering the fundamental research to industrial application. During the congress, Optics and Photonics International Exhibition is held jointly at the congress site.

SCOPE

The 1st Advanced Lasers and Photon Sources covers the recent progress of lasers and photon sources in the following major topical fields;

High average power lasers and applications:

Solid state lasers, fiber lasers, semiconductor lasers, laser ablation, and material processing, etc.

• High peak power lasers and applications:

Ultrashort lasers, high intensity lasers, high field phenomena, high harmonic generation, and attosecond pulses, etc.

· High energy light sources and applications:

X-ray free electron lasers, hard x-ray and gamma ray sources, and medical applications, etc.

Nonlinear optics and applications:

Nonlinear optical materials, nonlinear frequency conversion, THz sources, and applications, etc.

SUBMISSION OF PAPERS

Original papers that have not been previously presented and that describe new technical contributions to the areas covered by the technical descriptions in the aforementioned scope will be accepted for presentation.

A detailed instruction will be available from the following Web site:

http://alps2012.riken.jp/

Papers should be submitted electronically, <u>no later than Dec.20, 2011</u>. Authors will be requested to submit 2-page paper written in English, including text, figures, tables, and references within a frame of 17 cm x 24 cm. The paper template will be available through the Web site.

POSTER SESSION

In addition to regular oral presentation sessions, poster presentation session will be planned to stimulate detailed explanation and discussion. The author(s) of papers will be informed of the size of bulletin board for displaying summary, figures, tables, etc., when selected as poster papers.

OFFICIAL LANGUAGE

The official language of ALPS '12 is English.

INVITED TALKS

Koichiro Tanaka Kyoto University, Japan "Terahertz Nonlinear Spectroscopy with Intense Half-Cycle Pulses"

Tae Moon Jeong

Advanced Photonics Research Institute, Korea "Development of a PW Ti:Sapphire laser and its applications to high field science"

Zhiyi Wei Chinese Academy of Sciences, China "Amplify femtosecond Ti:sapphire laser to 1.16PW with high contrast ratio"

Tetsuya Ishikawa RIKEN Spring-8 Center, Japan "SACLA: SPring-8 Angstrom Compact free electron Laser"

Jens Limpert

Friedrich-Schiller-University of Jena, Germany "Coherent Combination of Fiber Amplified Femtosecond Pulses"

Marty Fejer Stanford University, USA "Spectral Engineering with Aperiodic Quasi-phase matching"

Christopher P. J. Barty

Lawrence Livermore National Laboratory, USA "Mono-Energetic Gamma-ray Light Sources and the Dawn of Nuclear Photonics"

REGISTRATION

Registration Fees

	Before/On Mar. 26, 2012	After Mar. 26, 2012
Conference (General)	¥35, 000	¥40, 000
(Student, Retiree)	¥15, 000	¥20, 000
Extra Copy of Digest	¥6, 000	¥6, 000

OPTICS & PHOTONICS International Congress 2012 (OPIC 2012)

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

- •The 1st Advanced Laser & Photon Source (ALPS'12)
- *The 1st Laser Display Conference'12 (LDC'11)
- •Conference on Laser Surgery and Medicine (CLSM2012)
- •International Conference on High Energy Density Science 3012 (HEDS 2012)
- ·Conference on Laser Inertial Fusion Energy

And it will be held the International laser strategy symposium in the main hall on April 24 (Wed).

OPIC2012 Web site http://opicon.jp/

EXHIBITION

OPTICS & PHOTONICS International 2012 Exhibition will be held simultaneously on April 24 (Wed)-27 (Fri) at Pacifico Yokohama.

FURTHER INFORMATION

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

http://alps2012.riken.jp/

ALPS '12 COMMITTEE MEMBERS

CONFERENCE CHAIR

Katsumi Midorikawa (RIKEN, Japan)

STEERING COMMITTEE

Co-Chairs

Noriaki Miyanaga (ILE Osaka Univ., Japan)

Kazuhisa Yamamoto (Osaka Univ.)

Members

Fumihiko Kannari (Keio Univ., Japan)
Masanori Hangyo (Osaka Univ., Japan)
Hidetoshi Nakano (Toyo Univ., Japan)
Hajime Nishioka (UEC, Japan)
Shuji Sakabe (Kyoto Univ., Japan)

Takunori Taira (IMS, Japan)

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Noriaki Miyanaga (ILE Osaka Univ., Japan) Hidetoshi Nakano (Toyo Univ., Japan Chang Hee Nam (KAIST, Korea)

Johan Nilsson (Univ. Southampton, UK)

Hajime Nishioka (UEC, Japan) Shuji Sakabe (Kyoto Univ., Japan) Evgeni Sorokin (TUW, Austria) Takunori Taira (IMS, Japan)

SECRETARIAT

Yutaka Nagata (RIKEN, Japan)

LOCATION OF CONFERENCE SITE

The LDC'12 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

