

Call for Papers

# PLD '16



## The 5th Pacific-rim Laser Damage CONFERENCE

Co-located with Optics & Photonics International Congress 2016

<http://opicon.jp/>

<http://www.ile.osaka-u.ac.jp/PLD-16/>

<http://spie.org/conferences-and-exhibitions/pacific-rim-laser-damage>

**Organized by**  
**SPIE**

**Inst. of Laser Eng. Osaka Univ.**  
**SIOM, Chinese Academy of Science**



**In cooperation with**

- Institute for Laser Technology
  - The Laser Society of Japan
  - Japan Laser Processing Society
- (\*Some other societies and associations are under negotiation.)

**May 18 (Wed.) – 20 (Fri.), 2016**  
**Pacifico Yokohama**  
**Yokohama, Japan**

Paper Deadline: Extended to  
Feb. 8 (Mon.) 2016

## OBJECTIVE

**SPIE/ILE/SIOM Pacific Rim Laser Damage 2016**, the forum for scientists and engineers working in high power/high energy lasers, materials and thin films, durability, properties modeling, testing, and component fabrication, is now under way.

## SCOPE

Presentations in:

- High power laser damage, UV through IR
- Ultrafast through CW laser irradiation effects
- Laser ablation and laser machining
- High laser damage resistant coatings
- Defects, contamination, polishing, and surface damage
- Characterization techniques and measurement protocols
- Mechanisms, Modeling, and simulations
- Nonlinear laser crystals
- Nonlinear laser crystals
- Optical glasses and fibers

## 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://spie.org/PLD/conferencedetails/pacific-rim-laser-damage-2016-optical-materials-for-high-power-lasers>

Papers should be submitted electronically, **no later than Feb. 8, 2016**. Authors will be requested to submit 1-page abstract 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 PLD '16 is English.

## PLD'16 SPIE Proceedings

The special issue of SPIE proceedings will be published in 2016. All the authors of PLD'16 are strongly encouraged to submit the original papers to the special issue. The deadline for submission is June 24, 2016. The submissions from invited speakers are also welcome. Manuscript should follow SPIE submission guidelines and be submitted in the electronic form on the internet.

## PLENARY TALKS

*J. Shao, Shanghai Institute of Optics and Fine Mechanics, China*  
*"Overview of laser damage research in China" (tentative)*

*W. Rudolph, Univ. of New Mexico, USA*

(Under request)

## INVITED TALKS

1. A. Melninkaitis, University Vilnius, Italy  
*"Femtosecond laser-induced damage: lessons learned from time-resolved measurements"*
2. J. Krueger, BAM, Berlin, Germany  
*"Nanosecond laser damage of optical multimode fibers"*
3. J. Du, Shanghai Institute for Optics and Fine Mechanics, China  
*"Ultrafast carrier dynamics related to fs lasers-induced damage in optical coatings"*
4. A. Fuerbach, Macquarie University, Australia  
*"Refractive index change mechanisms in different glasses induced by femtosecond laser irradiation"*
5. C. Menoni, Colorado State University, USA  
*Title will be received.*
6. Z. Liao, Lawrence Livermore National Lab., USA  
*"Modeling of Laser Induced Damage and Usage at National Ignition Facility"(Tentative)*
7. K. Chen, Pittsburgh University, USA  
*"Adaptive Laser Beam Forming for Laser Shock Micro-Forming for 3D MEMS Devices Fabrication"*
8. Denis Penninckx, CEA, France  
*"Laser damage measurement of thick silica plates using a new laser injection scheme"*
9. A. Hervy, REOSK, France  
*"Developments of high damage threshold meter-scale optical components for multi-PW lasers"*

## Joint sessions

6 papers will selected for Joint Session with related conferences (SLPC and LIC) on May 18, 2016

## REGISTRATION

### Registration Fees (Membership)

	Before/On April. 15, 2016	After April. 15, 2016
Conference (General)	¥40, 000	¥45, 000
(Student, Retiree)	¥18, 000	¥21, 000

### Registration Fees (Nonmember)

	Before/On April. 15, 2016	After April. 15, 2016
Conference (General)	¥45, 000	¥50, 000
(Student, Retiree)	¥21, 000	¥23, 000

## OPTICS & PHOTONICS International Congress 2016 (OPIC 2016)

The eleven international conferences held simultaneously.

By registering for this conference, you can participate in all international conferences.  
(Include the planned)

- The 5th Advance Lasers and Photon Sources (ALPS'16)
- Biomedical Imaging and Sensing Conference 2016 (BISC'16)
- Conference on Laser Energy Science (CLES2016)

- International Conference on High Energy Density Science 2016 (HEDS2016)
- The 4th International Conference on Light-Emitting Devices and Their Industrial Applications (LEDIA' 16)
- The 4th Laser Ignition Conference 2016 (LIC'16)
- Laser Solution for Space and the Earth (LSSE2016)
- The 3rd Optical Manipulation Conference 2016 (OMC'16)
- The 5th Pacific-Rim Laser Damage Conference (PLD'16)
- The 2<sup>nd</sup> Smart Laser Processing Conference (SLPC2016)
- International Conference on X-ray Optics, Detectors, Sources, and their Applications 2016 (XOPT'16)

OPIC2016 Web site <http://opicon.jp>

## EXHIBITION

OPTICS & PHOTONICS International Exhibition (OPIE2016) will be held simultaneously on May 18 (Wed)-20 (Fri) at Pacifico Yokohama.

## FURTHER INFORMATION

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

<http://opicon.jp>

## PLD '16 COMMITTEE MEMBERS

### CONFERENCE CHAIRS

Takahisa Jitsuno	(Osaka Univ., Japan)
Jianda Shao	(Shanghai Institute of Optics and Fine Mechanics, China)
Wolfgang Rudolph	(Univ. of New Mexico, USA)

### ORGANIZING COMMITTEE

#### *Co-Chairs*

Kunio Yoshida	(Okamoto Opt. Inc.)
Masataka Murahara	(Tokai Univ.)
Shinji Motokoshi	(Institute for Laser Technology)

#### *Members*

Hidetsugu Yoshida	(Osaka Univ.)
Jyunji Kawanaka	(Osaka Univ.)
Hajime Nishioka	(Tokyo Elec. Comm. Univ.)
Tomozui Kamimura	(Osaka Inst. of Tech.)
Shinji Kimura	(Showa Optronics Co., Ltd.)
Kiyoshi Suda	(Sigma Koki Co. Ltd.)
Minako Azumi	(Nikon Corp.)
Atsushi Yokotani	(Miyazaki Univ.)
Ryo Yasuhara	(Hamamatsu Photonics K. K.)
Masayuki Fujita	(Institute for Laser Technology)

### PROGRAM COMMITTEE

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Xiaomin Zhang (China Acad. of Engn. Phys.China)  
Jiping Zou (Ecole Polytechnique, France)  
Seong-Ku Lee (GIST-APRI, Korea)  
Karol Adam Janulewicz (GIST-DPPS, Korea)

#### **SECRETARIAT**

Yukio Ogura (Optronics Co., Ltd.)  
Keiichi Kubota (Optronics Co., Ltd.)

#### **LOCATION OF CONFERENCE SITE**

The OPIC/OPIE 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

