

Call for Papers

LDC Laser Display
and Lighting
Conference
2017 April 18-21



The 6th Laser Display and Lighting Conference

Co-located with
Optics & Photonics International Congress 2017

<http://ldc.opicon.jp/>

Sponsored by
The Optical Society of Japan (OSJ)

Co-Sponsored by
The Japan Society of Applied Physics

Organized by
*Laser Display Technology Group (LDT) of
Optical Society of Japan (OSJ)*



In cooperation with

- SPIE
 - The Optical Society (OSA)
 - The Laser Society of Japan
 - Optoelectronic Industry and Technology Development Association
 - Japan Optoelectro-Mechanics Association
 - The Chemical Society of Japan
 - The Society of Polymer Science, Japan
 - The Imaging Society of Japan
- (*Some other societies and associations are under negotiation.)

April 18 (Tue.) – 21 (Fri.), 2017
Pacifico Yokohama
Yokohama, Japan

Paper Submission Deadline: Dec.12 (Mon.) 2016

INTRODUCTION

The Laser Display and Lighting Conference (LDC) is an international conference on laser displays, laser lighting, and related technologies. The 1st, 2nd, and 4th LDC were held in Yokohama, Japan in 2012, 2013, 2015 respectively, and the 3rd in Taichung, Taiwan in 2014, the 5th in Jena, Germany in 2016. The 6th Laser Display and Lighting Conference (LDC 2017) will be held on April, 18th - 21th, 2017 in Yokohama, Japan, at Pacifico Yokohama.

The LDC 2017 is intended to provide a central forum for the update and review of scientific and technical information on laser display and lighting covering a wide range of fields from fundamental research to systems and applications. The conference will be sponsored by the Optical Society of Japan in cooperation with several academic societies and associations.

SCOPE

LDC 2017 covers the laser display / lighting technology in the following major topical fields;

A. Lasers and light sources

Visible lasers, LED, Solid-state light sources, Phosphor, Fluorescent materials, Wavelength conversion materials, Optoelectronic materials

B. Optical components

Spatial light modulator, High-speed scanner, MEMS, Active-matrix integration, Projection components, Display drivers and interfaces

C. Imaging / Lighting Technologies and Devices

Projector, 3D imaging, Holography, Laser backlight unit, Novel and emerging display and lighting technologies

D. Image / Lighting Quality and Human Vision

Speckle, Image quality evaluation, Color reproduction, Color management, Color appearance, Eye safety, Laser safety

E. Systems and Applications

Projection TV, LCD TV, 3D-TV, Projector, HMD and HUD, Lighting technologies, Touch technologies, Laser show, Power saving techniques, Biomedical imaging, Industrial imaging, Automotive Lighting

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://ldc.opicon.jp/>

Papers should be submitted electronically, **no later than Dec.12, 2016**. 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.

POST DEADLINE PAPERS

A limited number of post deadline papers will be accepted for presentation at post deadline sessions. Latest significant results obtained after the regular deadline are most welcome. The deadline for submission of the paper is March 15, 2017.

OFFICIAL LANGUAGE

The official language of LDC '17 is English.

LDC'15 SPECIAL ISSUE OF OPTICAL REVIEW

The special issue of OPTICAL REVIEW, the journal of the Optical Society of Japan, is supposed to be published in 2018. All the authors of LDC'17 are strongly encouraged to submit the original papers to the special issue. The deadline for submission will be announced on the web site.

INVITED TALKS

Yusuke Fujii (Mitsubishi Electric)
Liquid crystal display with RGB laser backlight

Fei Hu (Appotronics)
Laser phosphor based projector

Young-Joo Kim (Yonsei Univ.)
Simulation and fabrication to the speckle reduction in compact optical engine for laser projection displays

Falcon Lin (Jasper display)

High dynamic range laser projection display utilizing LCoS as illumination distributor

Shigeki Okauchi (Nichia)

Past, current and future of GaN base laser diode

Kartin Paschke (FBH)

Compact RGB laser sources

Tomoyoshi Shimobaba (Chiba Univ.)

3D display using holography

Tetsuya Takeuchi (Meijo Univ.)

High output power GaN-based VCSEL

Hisayo Yoshida (PICS)

Projection Mapping

*Some other speakers are under negotiation. The invited speaker list will be updated in the Web site.

REGISTRATION

Registration Fees (Membership)

	Before/On Mar. 21, 2017	After Mar. 22, 2017
Conference (General)	¥55, 000	¥60, 000
(Student, Retiree)	¥18, 000	¥21, 000

Registration Fees (Nonmember)

	Before/On Mar. 21, 2017	After Mar. 22, 2017
Conference (General)	¥65, 000	¥70, 000
(Student, Retiree)	¥21, 000	¥23, 000

OPTICS & PHOTONICS International Congress 2017 (OPIC 2017)

Twelve international conferences are going to be held simultaneously. By registering for LDC'17, you can participate in all international conferences.

OPIC2017 Web site <http://opicon.jp>

EXHIBITION

OPTICS & PHOTONICS International Exhibition (OPIE2017) will be held simultaneously on April 19(Wed)-21 (Fri) at Pacifico Yokohama.

LDC '17 COMMITTEE MEMBERS

CONFERENCE CHAIR

Kazuo Kuroda (Utsunomiya Univ.)

STEERING COMMITTEE

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Vice co-chair

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Hidekazu Hatanaka (Ushio)
Takaaki Ishigure (Keio Univ.)
Masato Ishino (Photon Science Technology Alliance)
Shuji Kamijima (Seiko Epson)
Junichi Kinoshita (Osaka Univ.)
Makio Kurashige (Dai Nippon Printing)
Muneharu Kuwata (Mitsubishi Electric Corp.)
Osamu Matoba (Kobe Univ.)
Keizo Ochi (Konica Minolta)
Satoshi Ouchi (Hitachi)
Daniel Schifferdecker (Bosch Corp.)
Tsutomu Shimura (Univ. of Tokyo)
Tsuyoshi Suzudo (Ricoh Industrial Solutions)
Takunori Taira (National Inst. of Natural Science)
Chikara Tanioka (Toshiba Corp.)
Masashi Wada (Gooch & Housego Japan)

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Hugo J. Cornelissen (Philips Lighting Innovation)
Frank Fischer (Bosch SensorTech)
Abdelmalek Hanafi (BMW)
Ray-Hua Horng (National Chiao Tung Univ.)
Masafumi Ide (Magic Leap)
Young-Joo Kim (Yonsei Univ.)
Junichi Kinoshita (Osaka Univ.)
Jae Kwon (LG Electronics)
Tomoyuki Miyamoto (Tokyo Inst. Tech.)
Hiroshi Murata (Osaka Univ.)
Satoshi Ouchi (Hitachi)
Luang-Han Peng (National Taiwan Univ.)
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Hiroaki Sugiura (Mitsubishi Electric Corp.)
Toshiaki Suhara (Osaka Univ.)
Andreas Tünnermann (Fraunhofer Institute, IOF)

SECRETARIAT

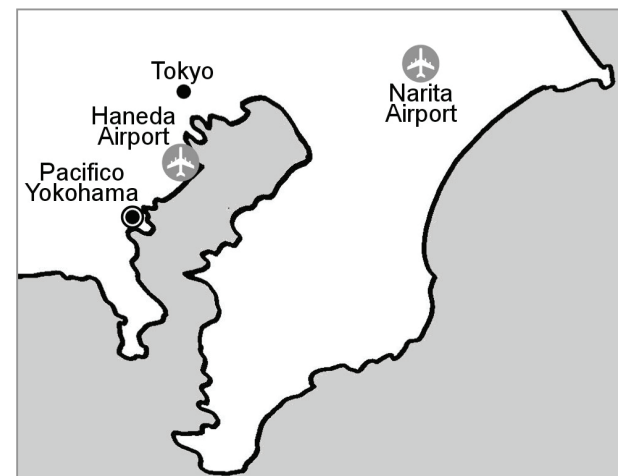
Yuko Tsutsumi (Univ. of Tokyo)

LOCATION OF CONFERENCE SITE

The LDC'17 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>



FURTHER INFORMATION

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

<http://ldc.opicon.jp/>