

Call for Papers

LDC 2018



The 7th Laser Display and Lighting Conference

Co-located with Optics & Photonics International Congress 2018

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

Sponsored by
The Japan Society of Applied Physics
Organized by
Laser Display Technology Group (LDT) of
Optical Society of Japan (OSJ), JSAP



In cooperation with

- The Laser Society of Japan
 - Consortium of Visible Laser Diode Applications
- (*Some other societies and associations are under negotiation.)

April 24 (Tue.) – 27 (Fri.), 2018
Pacifico Yokohama
Yokohama, Japan

Paper Submission Deadline: Dec. 14 (Thu.) 2017

INTRODUCTION

The Laser Display and Lighting Conference (LDC) is an international conference on laser displays, laser lighting, and

related technologies. The 1st, 2nd, 4th, and 6th LDC were held in Yokohama, Japan in 2012, 2013, 2015, 2017 respectively, and the 3rd in Taichung, Taiwan in 2014, the 5th in Jena, Germany in 2016. The 7th Laser Display and Lighting Conference (LDC 2018) will be held on April, 24th - 27th, 2018 in Yokohama, Japan, at Pacifico Yokohama. The LDC 2018 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 is sponsored by the Optical Society of Japan in cooperation with several academic societies and associations.

SCOPE

LDC 2018 covers the laser display / lighting technology in the following major topical fields;

A. Laser 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, Head worn display, Eyewear, Laser backlight unit

D. Image / Lighting Quality and Human Vision

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

E. Systems and Applications

Projection TV, LCD, 3D, Projector, Head mounted display, Eyewear, Lighting technology, Touch technology, Biomedical imaging, Industrial imaging, Laser entertainment, AR, VR, MR, XR, Wearables

F. Novel and emerging technologies

G. Special session

The special session of automotive applications is held.

H. Joint sessions

The session for 3D display / imaging is held with cooperation of IP (Information Photonics) committee. That with IoT and LEDIA is under

negotiation.

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.14, 2017**. 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 2, 2018.

OFFICIAL LANGUAGE

The official language of LDC 2018 is English.

LDC 2018 SPECIAL ISSUE OF OPTICAL REVIEW

The special issue on Laser Displays will be published in Nov/Dec, 2018 issue of OPTICAL REVIEW, the journal edited by the LDC committee and is distributed by Springer. All the authors of LDC 2018 are strongly encouraged to submit the original papers to the special issue. Please note that all submissions will be peer-reviewed following the editorial policy of OPTICAL REVIEW. The submissions from invited speakers are also welcome. Manuscript should follow Optical review submission guidelines "Instructions for Preparation of Manuscript" and be submitted in the electronic form on the internet.

Submission Deadline: 31 May, 2018

INVITED TALKS

Nan-Ei Yu **Gwangju Inst. Sc.and Tech., Korea**
"Development of RGB Light source for Head-Up Display at Automobile"

Jamieson Christmas DARQI, U.K.
"Laser Holographic Head Up Displays"

Jan Heller **Jenoptik, Germany**
"Our capabilities in production of components and sub-assemblies for LIDAR"

Matthew E. Brand **MERL, U.S.A.**
"Optimized Algorithm for Freeform Optics"

Jiyang Wang **Shandong Univ., China**
"High efficiency green laser output from self-frequency doubling crystal"

Anonymous **Faro Japan, Japan**
"Industrial application of laser projection"

Youichi Ochiai **Tsukuba Univ., Japan**
"Projection display on levitated particle screen"

Zhaomin Tong **Shanxi Univ., China**
"Laser Speckle Reduction by Using Motionless Image Conduits"

REGISTRATION

Registration Fees (Membership)

	Before/On Apr. 5, 2018	After Apr.6, 2018
Conference (General)	¥55, 000	¥60, 000
(Student, Retiree)	¥18, 000	¥21, 000

Registration Fees (Nonmember)

	Before/On Apr. 5, 2018	After Apr.6, 2018
Conference (General)	¥65, 000	¥70, 000
(Student, Retiree)	¥21, 000	¥23, 000

OPTICS & PHOTONICS International Congress 2018 (OPIC 2018)

Fourteen international conferences are going to be held simultaneously. By registering for LDC 2018, you can participate in all international conferences.

OPIC 2018 Web site <http://opicn.jp>

EXHIBITION

OPTICS & PHOTONICS International Exhibition (OPIE 2018) will be held simultaneously on April 25(Wed)-27 (Fri) at Pacifico Yokohama.

FURTHER INFORMATION

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

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

LDC 2018 COMMITTEE MEMBERS

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Hiroaki Sugiura	(Mitsubishi Electric Corp.)
Toshiaki Suhara	(Osaka Univ.)

SECRETARIAT

Yuko Tsutsumi	(OPIC)
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LOCATION OF CONFERENCE SITE

The LDC 2018 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>
