

LEDIA '13



Conference on LED and Its Industrial Application '13

Co-located with Optics & Photonics International Congress 2013

<http://www.tuat.ac.jp/~ledia13/>

Sponsored by
Akasaki Research Center (ARC), Nagoya University

In cooperation with
The Illuminating Engineering Institute of Japan (IEIJ)

Japan LED Association (JLEDS)

Optoelectronics Industry and Technology Development Association (OITDA)

**The 125th Committee on Mutual Conversion between Light and Electricity,
Japan Society for the Promotion of Science**

**The 162nd Committee on Wide Bandgap Semiconductor Photonic and
Electronic Devices, Japan Society for the Promotion of Science**

(*Some societies and associations are under negotiation.)

April 23 (Tue.) – 25 (Thu.), 2013
Pacifico Yokohama
Yokohama, Japan

Paper Deadline: Dec. 20 (Thu.), 2012

INTRODUCTION

Light-emitting diodes (LEDs) have much attention for the application to solid-state lighting. For rapid increase of the application fields, the discussion opportunities between the device developers and material scientists are required. We are pleased to announce that the first Conference on LED and Its Industrial Application (LEDIA'13) will be held at Pacifico Yokohama, Yokohama, Japan, on April 23 - 25, 2013. LEDIA'13 provides a platform for scientists and engineers to discuss progress and future trends in the rapidly advancing science and technology of wide bandgap semiconductors for LEDs and their applications. Their applications into visible and ultraviolet LEDs and diode lasers (LDs) are also included in the scope of this meeting. LEDIA'13 is sponsored by Akasaki Research Center (ARC), Nagoya University.

SCOPE

LEDIA'13 covers the wide-bandgap semiconductors and LED technologies in the following major topical fields;

A. Wide bandgap semiconductors

Growth of GaN-based materials, oxides for LED, GaN, AlN, ZnO and their related substrates

B. Fabrication of light-emitting diodes and its process

White, UV, visible and IR LEDs and LDs, including micro cavity and photonic crystals

C. Characterization of LEDs and their related materials

Quantum efficiency, efficiency droop, luminescence, color conversion

D. Industrial application of LEDs

Solid-state lighting, display, LED integration, agricultural applications

E. Novel materials and device structures for solid-state lighting

Inorganic/organic hybrid materials for solid-state lighting, quantum dot, plasmon

SUBMISSION OF PAPERS

Authors will be requested to submit **1-page** abstract written in English without figures and tables within a frame of 17 cm x 24 cm. The authors are recommended to add one page for supplementary information, in which figures and tables can be included. Note that only the first page will be published in the paper-based abstract book, whereas the entire two pages are used for a refereeing purpose and will be included in the electronic version of the abstract book.

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.

Papers should be submitted electronically, **no later than December 20, 2012**. A detailed instruction and the paper template are available from the following Web site:

<http://opic.sub.jp/submit-a-paper.html>

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, 2013**.

OFFICIAL LANGUAGE

The official language of LEDIA'13 is English.

INVITED TALKS (Tentative)

M. Funato **Kyoto Univ. (Japan)**
"Impact of crystal orientation on InGaN-based efficient visible light emitters"

T. Kinoshita **Tokuyama Corp. (Japan)**
"Fabrication of DUV-LEDs on AlN substrates"

D. Hommel* **U. Bremen/EIT+ (Germany/Poland)**
"GaN-based quantum dot and its application to LEDs" (tentative)

K. Matsumoto **TN EMC Ltd. (Japan)**
"MOCVD technology for deployment of LEDs to various applications" (tentative)

J. S. Jang* **Yeungnam Univ. (Korea)**
"Transparent conductive oxides for GaN-based UV LEDs" (tentative)

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

REGISTRATION

Registration Fees (Membership *)

	Before/On Mar. 22, 2013	After Mar. 23, 2013
Conference (General)	¥35, 000	¥40, 000
(Student, Retiree)	¥15, 000	¥20, 000

*) Member of organizer, sponsor and cooperative societies

Registration Fees (Nonmember)

	Before/On Mar. 22, 2013	After Mar. 23, 2013
Conference (General)	¥40, 000	¥45, 000
(Student, Retiree)	¥18, 000	¥23, 000

OPTICS & PHOTONICS INTERNATIONAL CONGRESS 2013 (OPIC 2013)

Ten international conferences are going to be held simultaneously. By registering for LEDIA'13, you can participate in all international conferences.

(Include the planned)

- The 2nd Advanced Laser & Photon Source (ALPS'13)
- The 2nd Laser Display Conference (LDC'13)
- Conference on Laser Surgery and Medicine (CLSM2013)
- International Conference on High Energy Density Science 2013 (HEDS 2013)
- Conference on Laser Inertial Fusion Energy (CIFE'13)
- International Symposium on Laser Processing for CFRP and Composite Materials 2013 (LPCC'13)
- Application to Nuclear Power of the Laser
- Laser Ignition
- LED and its Industrial Applications (LEDIA'13)
- Application to Nuclear Power of the Laser
- Food Inspection by Laser

OPIC2013 Web site <http://opicon.jp>

EXHIBITION

OPTICS & PHOTONICS International 2013 Exhibition will be held simultaneously on April 24 (Wed)-26 (Fri) at Pacifico Yokohama.

LEDIA '13 COMMITTEE MEMBERS

CONFERENCE CHAIR

Hiroshi Amano (Nagoya Univ.)

STEERING COMMITTEE

Chairs

Tohru Honda (Kogakuin Univ.)

Members

Gen-ichi Hatakoshi (Toshiba Corp.)

Masahito Yamaguchi (Nagoya Univ.)

Yoshinao Kumagai (Tokyo Univ. Agri. & Tech.)

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Isamu Akasaki (Meijo Univ.)

Detlef Hommel (Univ. Bremen / EIT+)

Akihiko Yoshikawa (Chiba Univ.)

SECRETARIAT

Yukio Ogura (OPICON)

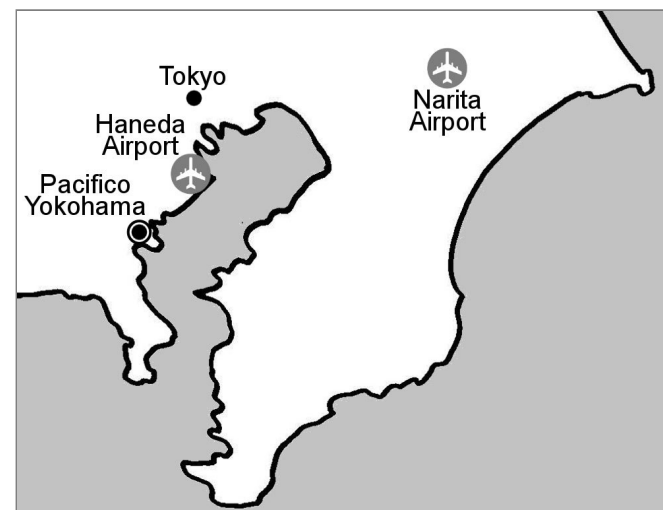
LOCATION OF CONFERENCE SITE

The LEDIA'13 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/>



FURTHER INFORMATION

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

<http://www.tuat.ac.jp/~ledia13/>