INTRODUCTION
Light-emitting diodes (LEDs) and laser diodes (LDs) have been attracting much attention for the application to solid-state lighting. In order to meet the rapid increase in the application fields, the discussion opportunities between the device developers and material scientists are required. We are pleased to announce that the 4th International Conference on Light-Emitting Devices and Their Industrial Applications (LEDIA ‘16) will be held at Pacifico Yokohama, Kanagawa, Japan, on May 18 - 20, 2016. LEDIA’16 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 LDs are also included in the scope of this meeting. LEDIA’16 is sponsored by Akasaki Research Center (ARC), Nagoya University.

SCOPE’16 covers the wide-bandgap semiconductors and LED/LD 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/LDs
   Solid-state lighting, display, LED/LD integration, agricultural applications

E. Novel materials and device structures for solid-state lighting
   Inorganic/organic hybrid materials for solid-state lighting, quantum dot, plasmon

Plenary Speakers and Invited Speakers
The conference is going to be organized as invited, contributed talks and posters. In this year a special session will be held as "Industrial applications with LEDs" by some invited speakers. A tutorial lecture is also going to be planned. The invited speakers are listed below. Some papers may be upgraded to invited ones depending on the rating scores.

Invited speakers

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Ogasawara and S. Fujita</td>
<td>Mignon Belle Clinic and Kyoto Univ.</td>
<td>Japan</td>
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<tr>
<td>T. Little</td>
<td>Boston Univ. (USA)</td>
<td>To be announced</td>
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<tr>
<td>Robert F. Karlicek</td>
<td>Rensselaer Polytechnic Institute (USA)</td>
<td>USA</td>
</tr>
<tr>
<td>Y. Nakazato</td>
<td>Stanley Electric Co., Ltd. (Japan)</td>
<td>Japan</td>
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<tr>
<td>N. Hasegawa</td>
<td>Inochio holdings (Japan)</td>
<td>Japan</td>
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<tr>
<td>Y. Fujiiwara</td>
<td>Osaka Univ. (Japan)</td>
<td>&quot;Towards highly efficient wavelength-stable red LEDs using Eu-doped GaN&quot;</td>
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<tr>
<td>M. Kneiss</td>
<td>Technical University Berlin (Germany)</td>
<td>Germany</td>
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<tr>
<td>T. -C. Lu</td>
<td>National Chiao Tung Univ. (Taiwan)</td>
<td>To be announced</td>
</tr>
<tr>
<td>J. K. Kim</td>
<td>POSTECH (Korea)</td>
<td>&quot;Epitaxial growth and characterization of hexagonal BN by MOVPE&quot;</td>
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<tr>
<td>N. Narendran</td>
<td>LRC, RPI (USA)</td>
<td>&quot;A Test Method to Project the True Life of an LED Lighting System&quot;</td>
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<tr>
<td>K. Okamoto</td>
<td>Kyusyu Univ. (Japan)</td>
<td>&quot;Plasmonics toward high-efficiency LEDs with wide wavelength range&quot;</td>
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Tutorial

<table>
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<tr>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>T. Honda</td>
<td>Kogakuin Univ. (Japan)</td>
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<td></td>
<td>&quot;Displays with LEDs&quot;</td>
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Program
The conference has 4-invited sessions, 5-oral sessions and 1-poster session. The OPIC reception will be held at the evening on 18th May. This timetable is tentative, so that latest information on the conference will be presented on the Web site:
http://www.tuat.ac.jp/~ledia16/

LEDIA’16 (Tentative program at a glance)

<table>
<thead>
<tr>
<th>May 18(Wed.)</th>
<th>19(Thu.)</th>
<th>20(Fri.)</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Invited</td>
<td>Invited</td>
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<tr>
<td>10:00</td>
<td>Oral Session</td>
<td>Oral Session</td>
</tr>
<tr>
<td>11:00</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:00</td>
<td>Invited &amp; Tutorial</td>
<td>Closing</td>
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<tr>
<td>13:00</td>
<td>Opening</td>
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<tr>
<td>14:00</td>
<td>Special Session</td>
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<tr>
<td>15:00</td>
<td>Oral Session</td>
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<tr>
<td>16:00</td>
<td>Break</td>
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<tr>
<td>17:00</td>
<td>Oral Session</td>
<td>Poster Session</td>
</tr>
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LOCATION OF CONFERENCE SITE
From oversea
The LEDIA’16 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. from Haneda Airport and 90 min. from Narita Airport. Airport Limousine Bus direct to PACIFICO Yokohama is available.

Access from the nearest stations
1. Minato Mirai Line: 3-minute walk from “Minato Mirai Station”
2. JR or Subway Line: 12-minute walk, 7 minutes by bus or 5 minutes by taxi from “Sakuragicho Station”
3. Sea Bass (boat): 10-minutes from “Yokohama Station”

Pacifico Yokohama
1-1-1 Minato Mirai, Nishi-ku, Yokohama 220-0012, Japan
http://www.pacifico.co.jp/english/

*) From Haneda Airport
Keikyu Bus (40 min.),

**) From Narita Airport
Airport Limousine (90 min.),
http://www.limousinebus.co.jp/en/
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.

POSTER PRESENTATIONS

In addition to regular oral presentation sessions, poster presentation session will be planned to stimulate detailed explanation and discussion. The size of the poster board is 180 cm in a width and 210 cm in a height. We recommend the authors to use A0 size (84.1 cm in a width, 118.9 cm in a height) paper/cloth to prepare their posters. Necessary tools for pinning the posters will be provided.

PAPER AWARD

A few papers will be selected for the “Paper Award” for young researcher. Around 10 papers will be nominated for the award based on the program committee’s ratings of the abstracts. The paper award will be judged from their presentations and announced at the closing to be held on the last day. (May 20, Friday).

EXHIBITION

OPTICS & PHOTONICS International Exhibition 2016 will be held simultaneously on May 17 (Wed)-20 (Fri) at Pacifico Yokohama.

OPTICS & PHOTONICS INTERNATIONAL CONGRESS 2016 (OPIC 2016)

Eleven international conferences are going to be held simultaneously. By registering for LEDIA’16, you can participate in all international conferences. (Include the planned)

- ALPS’16 (The 5th Advanced Lasers and Photon Sources)
- BISC’16 (Biomedical Imaging and Sensing Conference 2016)
- CLE2016 (Conference on Laser Energy Science)
- HEDS2016 (International Conference on High Energy Density Science 2016)
- LIC’16 (The 4th Laser Ignition Conference 2016)
- LSSE2016 (Laser Solution for Space and the Earth)
- OMC’16 (The 3rd Optical Manipulation Conference 2016)
- PLD’16 (The 5th Pacific-rim Laser Damage Conference)
- SLPSC2016 (The 2nd Smart Laser Processing Conference)
- XPOP’16 (International Conference on X-ray optics, detectors, sources, and their applications 2016)

OPIC2016 Web site: [http://opicon.jp/](http://opicon.jp/)
PAYMENT
Payment should be made by no later than May 7, 2016. Payment Method will be by Credit Card or PayPal through online. On-site registration is available, but very limited. We recommend the online payment in advance.

ACCOMMODATION
Accommodation information has been provided by OPIC. Please access below web site.
http://opicon.jp/travel/accommodation/

CANCELLATION
No refund will be made for cancellations for any reason. If the registered participant is unable to attend, a substitute participant may be allowed provided prior notification is made to the OPIC2016 Secretariat by March 31, 2016 or a copy of OPIC2016 program booklet and the conference abstracts of your choice will be mailed to the registered address upon request.

PASSPORT AND VISA
All foreign visitors entering Japan must possess a valid passport. Participants from countries required a visa to enter Japan should obtain one from his/her nearest Japanese embassy or consulate in due time. Please contact workshop secretary for requesting documents to be issued by the conference for visa application (invitation letter, etc.),
*) Visa support will be given only to those whose papers are accepted for paper/poster presentations.
**) For information about Japanese visas, please visit http://opicon.jp/travel/information/

FURTHER INFORMATION
The latest information on the conference will be presented on the Web site:
http://www.tuat.ac.jp/~ledia16/

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(Secretary of Executive Committee)
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Jonathan Wierer (Lehigh Univ.)

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Bo Monemar (Liköping Univ./ Lund Univ.)