OBJECTIVE of OPIC 2017

The objective of OPIC2017 is to discuss the future of our society which will be realized by optics and photonics, based on the most updated knowledge and technologies worldwide, presented at OPIC2017 and OPIE’17 (OPTICS and PHOTONICS International Exhibition 2017).

OPIC/OPIE was launched in April 2012 at Pacifico Yokohama, and is the only annual optics and photonics international congress in Japan held under close cooperation between academia and industry. OPIC2017 is the 6th Congress, comprised of Specialized International Conferences, covering a broad range of fields which are all very active at present.

The number of the Specialized International conferences held within OPIC, as well as the number of the participants, have been increasing each year since the start of OPIC. Most recently, OPIC2016 was held with 11 Specialized International Conferences, that is the largest number since the beginning of OPIC, and the participants exceeded more than 1,000 for the first time, comprising 32% foreign participants from 31 countries.

In OPIC2017 three new Specialized International Conferences will join, covering even broader and very active fields in optics and photonics. OPIC2017 will promote exchanges among the academia and the industry. Presentation from industry is planned at the Plenary Session of OPIC2017, showing the most updated state of real world applications of optics and photonics. Following the previous OPIC traditions, OPIC2017 will further deepen the linkage with the co-located OPTICS & PHOTONICS International Exhibition (OPIE’17) with various approaches.

Date: April 18 (Tue.) to 21 (Fri.), 2017
Venue: Pacifico Yokohama
1-1-1 Minatomirai, Nishi-ku, Yokohama 220-0012, Japan
http://www.pacifico.co.jp/english/index.html
Congress Website: http://opicon.jp/
Organized by: OPTICS & PHOTONICS International Council
Congress Chairs
Sadao Nakai (Professor Emeritus, Osaka University, Japan)
Chris Barty (CTO, Lawrence Livermore National Laboratory, USA)
Reinhart Poprawe (Director, Fraunhofer Institute for Laser Technology, Germany)

Meeting Schedule
April 18 (Tue.) Specialized international conferences
April 19 (Wed.) Plenary Session, Joint Sessions, Specialized international conferences, Reception
April 20 (Thu.) Specialized international conferences
April 21 (Fri.) Specialized international conferences

Specialized International Conferences
(1) The 6th Advance Lasers and Photon Sources (ALPS’17)
Conference Chair: Hitoki Yoneda (Electro-Communications Univ.)
Sponsored by the Laser Society of Japan

(2) The 3rd Biomedical Imaging and Sensing Conference/ The 4th Optical Manipulation Conference (BISC/OMC ’17)
Conference Chairs: Toyohiko Yatagai (Utsunomiya Univ.) and Takashige Omatsu (Chiba Univ.)
Sponsored and organized by SPIE

(3) Conference on Laser Energy Science/ Laser and Accelerator Neutron Sources and Applications 2017 (CLES / LANSA’17)
Conference Chairs: Hiroaki Nishimura (Osaka Univ.) and Ryouhei Hanayama (The Graduate School for the Creation of New Photonics Industries)
Sponsored by IFE forum, Institute of Laser Engineering, Osaka University and The Graduate School for the Creation of New Photonics Industries

Conference Chair: Ryosuke Kodama (Osaka Univ.)
Sponsored by the Laser Society of Japan

(5) International Conference on Nanophotonics and Nanooptoelectronics (ICNN 2017)
Conference Chair: Yasuhiko Arakawa (Tokyo Univ.)
Sponsored by Institute for Nano Quantum Information Electronics, The University of Tokyo

(6) Information Photonics 2017 (IP’17)
Conference Chair: Yoshio Hayasaki (Utsunomiya Univ.)
Sponsored by the Optical Society of Japan

(7) Laser Display and Lighting Conference 2017 (LDC’17)
Conference Chair: Kazuo Kuroda (Utsunomiya Univ.)
Sponsored by the Optical Society of Japan

(8) The 5th International Conference on Light-Emitting Devices and Their Industrial
Application’17 (LEDIA’17)
Conference Chair: Hiroshi Amano (Nagoya Univ.)
Sponsored by Akasaki research Center (ARC), Nagoya University

(9) Light driven Nuclear-Particle physics and Cosmology (LNPC’17)
Conference Chairs: Kensuke Homma (Hiroshima Univ.) and Ovidiu Tesileanu (ELI-NP)
Sponsored by Hiroshima University

(10) Laser Solution for Space and the Earth (LSSE2017)
Conference Chair: Toshikazu Ebisuzaki (RIKEN)
Sponsored by the executive committee of Laser Solution for Space and the Earth

(11) International Conference on X-ray optics, detectors, sources, and their applications 2017 (XOPT’17)
Conference Chairs: Tetsuya Ishikawa (RIKEN) and Kazuto Yamauchi (Osaka Univ.)
Co-Sponsored by RIKEN SPring-8 Center, Research Center for Ultra-Precision Science & Technology, Osaka Univ.

Supported by (Under negotiation)
Ministry of Education, Culture, Sports, Science and Technology
Ministry of Economy, Trade and Industry
Ministry of Agriculture, Forestry and Fisheries
Ministry of Health, Labor and Welfare
Ministry of Land, Infrastructure, Transport and Tourism
Keidanren (Japan Business Federation)

In cooperation with
Atomic Energy Society of Japan (AEST)
The National Institute of Advanced Industrial Science and Technology (AIST)
Institute for Laser Technology
Japan Photonics Council
The Japan Society of Plasma Science and Nuclear Fusion Research (JSPF)
Japan Science and Technology Agency (JST)
New Energy and Industrial Technology Development Organization (NEDO)
Optoelectronic Industry and Technology Development Association (OITDA)
The Optical Society of Japan
The National Institutes for Quantum and Radiological Science and Technology (QST)
RIKEN
SPIE (USA)
OSA (USA)
Landesmesse Stuttgart GmbH (Germany)
PIDA (Taiwan)
International Advisory Board

Chair
Kenichi Iga (Prof. Emeritus, Tokyo Institute of Technology, Japan)

Members
Andreas Ostendorf (Prof., Ruhl-University Bochum, Germany)
Isamu Akasaki (Special Professor Emeritus, Nagoya University, Japan)
Michiharu Nakamura (Adviser, JST, Japan)
Ryoji Chubachi (President, AIST, Japan)
Kazuo Furukawa (President, NEDO, Japan)
Maki Kawai (Director, RIKEN, Japan)
Yasuhide Tajima (Director, Japan Atomic Energy Agency: JAEA, Japan)
Teruo Hiruma (Chairman of the Board, Hamamatsu Photonics K. K., Japan)
Bill Goldstein (Director, Lawrence Livermore National Laboratory, USA)
John Collier (Director, Central Laser Facility, Rutherford Appleton Laboratory, UK)
Gerard Mourou (Professor, Ecole Polytechnique, France)
Jongmin Lee (Director, GiLT, Handong Global University, Korea)
Jie Zhang (President, Shanghai Jiao Tong University, China)

Organizing Committee

Chair
Yoshiaki Kato (President, GPI; President, the Laser Society of Japan)

Vice Chairs
Kazuo Kuroda (Utsunomiya University, LDC)
Toyohtiko Yatagai (Utsunomiya University; President, SPIE, BISC)
Takashi Ishide (President, Japan Laser Processing Society)
Makoto Kikuchi (President, Japan Association for the advancement of Medical Equipment)
Norihiro Umeda (Tokyo Univ. of Agriculture and Technology; Chief Secretary, Photonics Subcommittee of The Japan Society of Applied Physics)

Members
Mitsutoshi Hatori (Professor Emeritus, Tokyo University)
Nobuyuki Kondo (Chairman, Japan Importers Association of Lasers and Electro-Optics)
Hitoki Yoneda (Electro-Communications University, ALPS)
Ryosuke Kodama (Osaka University, HEDS)
Yoshio Hayasaki (Utsunomiya University, IP)
Yasuhiko Arakawa (The university of Tokyo, ICNN)
Hiroshi Amano (Nagoya University, LEDIA)
Takashige Omatsu (Chiba University, OMC)
Tetsuya Ishikawa (RIKEN, XOPT)
Kazuto Yamauchi (Osaka University, XOPT)
Toshikazu Ebisuzaki (RIKEN, LSSE)
Hiroaki Nishimura (Osaka University, CLES/LANSA’17)
Ryohei Hanayama (The Graduate School for the Creation of New Photonics Industries, CLES/LANSA’17)
Kensuke Honma (Hiroshima University, LNPC’17)
Kenichi Ueda (The University of Electro-Communications)
Minoru Obara (Professor Emeritus, Keio University)
Fumihiko Kannari (Keio University)
Naoshi Kondo (Kyoto University)
Mitsuo Takeda (Utsunomiya University)
Katsumi Midorikawa (RIKEN)
Kunioki Mima (The Graduate School for the Creation of New Photonics Industries)
Naotada Okada (Corporate Manufacturing Engineering Center, Toshiba)
Hitoshi Ogata (Friend of company, Mitsubishi Electric, Inc.)
Shinji Yamada (Center for Exploratory Research, Hitachi)
Tsutomu Hara (Central Laboratory, Hamamatsu Photonics K. K.)

Steering Committee

Chair
  Shuji Sakabe (Kyoto University)
Vice Chair
  Kazuhisa Yamamoto (Osaka University)
Members
  Godai Miyaji (Tokyo University of Agriculture and Technology, ALPS)
  Masaki Tokurakawa (The University of Electro-Communications, ALPS)
  Ryohei Hanayama (The Graduate School for the Creation of New Photonics Industries, CLES/LANSA’17)
  Tomonao Hosogai (Osaka University)
  Satoshi Iwamoto (The university of Tokyo, ICNN)
  Hirotsugu Yamamoto (Utsunomiya University, IP)
  Makoto Naruse (National Institute of Information and Communications Technology, IP)
Norihiro Ohse (SONY, LDC)
Ryuji Katayama (Osaka University, LEDIA)
Kensuke Honma (Hiroshima University, LNPC)
Yoshihide Nakamiya (Kyoto University, LNPC)
Takashi Fujii (Central Research Institute of Electric Power Industry, LSSE)
Yoshinori Shimada (Institute for Laser Technology, LSSE)
Satoshi Matsuyama (Osaka University, XOPT)
Katsuhiko Miyamoto (Chiba University, OMC)
Osamu Matoba (Kobe University, BISC)

Exhibition Committee

Chair
Kazuhisa Yamamoto (Osaka University)

Members
Kanji Ito (Hamamatsu Photonics K.K.)
Noriyuki Kondo (Japan laser)
Tetsuya Nakai (Thorabs Japan)
Tsuyoshi Nakamura (Trompf)

OPTICS & PHOTONICS International Council

Chairman
Sadao Nakai (Professor Emeritus, Osaka University)

Vice Chairman
Yoshiaki Kato (President, GPI; President, The Laser Society of Japan)
Akira Hiruma (Chairman of the Board, Hamamatsu Photonics K. K.)

Members
Mitsutoshi Hatori (Professor Emeritus, Tokyo University)
Seiji Katayama (Osaka University; President, Japan Laser Processing Society)
Makoto Kikuchi (President, Japan Association for the advancement of Medical Equipment)
Nobuyuki Kondo (Chairman, Japan Importers Association of Lasers and Electro-Optics)
Kazuo Kuroda (Utsunomiya University)
Tetsuya Miki (The University of Electro-Communications)
Mikio Shishino (OPTO SCIENCE, INC.)
Mitsuo Takeda (Utsunomiya University)
Kenkichi Tanioka (Former director, NHK Science & Technology Research Laboratories)
Norihiro Umeda (Tokyo Univ. of Agriculture and Technology; Chief Secretary, Photonics Subcommittee of The Japan Society of Applied Physics)

Kazuhisa Yamamoto (Osaka University)
Toyohiko Yatagai (Utsunomiya University; President-Elect, SPIE)

OPIC2017 SECRETARIAT
S. Shibasaki, Y. Ogura, Y.Tsukamoto, K.Kubota, N. Ueno
Sanken Bldg., 5-5, Shinogawa-machi, Shinjuku-ku, Tokyo 162-0814, Japan
E-mail: info@optronics.co.jp
Report of OPIC2016

Date: May 18 (Tue.) to 21 (Fri.), 201
Venue: Pacifico Yokohama (Yokohama, Japan)

Plenary Session

- Greetings
  Andreas Ostendorf, Professor, Ruhr-University Bochum, Germany
  Sadao Nakai, Professor Emeritus, Osaka University, Japan
  Reinhart Poprawe, Director, Fraunhofer Inst. for Laser Tech., Germany

- Plenary Speech
  1) "Retinal Imaging Laser Eyewear: from Low-Vision Aids to Smart Glass"
     Mitsuru Sugawara, President, QD Laser Inc., Japan
  2) "Cultivation of Electro-Active Functionality in Transparent Oxides"
     Hideo Hosono, Professor, Tokyo Institute of Technology, Japan
  3) "The Thirty Meter Telescope project"
     Masanori Iye, Professor Emeritus, National Astronomical Observatory of Japan,
  4) "ELI: The CERN of laser research"
     Georg Korn, CSO, Head of Department of Experimental Program, Extreme Light Infrastructure (ELI)

Joint Sessions & International Conferences

- The 5th Advanced Lasers and Photon Sources (ALPS’16)
  Conference Chair: Hitoki Yoneda (The University of Electro-Communications)
  Sponsored by the Laser Society of Japan

- Biomedical Imaging and Sensing Conference 2016 (BISC’16)
  Conference Chair: Toyohiko Yatagai (Utsunomiya University)
  Sponsored by Utsunomiya University Center for Optical Research & Education

- Conference on Laser Energy Science (CLES 2016)
  Conference Chair: Hiroshi Azechi (Osaka University)
  Sponsored by Institute of Laser Engineering, Osaka University

- International Conference on High Energy Density Science 2016 (HEDS2016)
  Conference Chair: Ryosuke Kodama (Osaka University)
  Sponsored by the Laser Society of Japan

- The 4th International Conference on Light-Emitting Devices and Their Industrial Applications (LEDIA’16)
  Conference Chair: Hiroshi Amano (Nagoya University)
  Sponsored by Akasaki Research Center (ARC), Nagoya University

- The 4th Laser Ignition Conference 2016 (LIC’16)
  Conference Chair: Takunori Taira (Institute for Molecular Science)
Sponsored by the Micro Solid-Sate Photonics Group of The Laser Society of Japan

- **Laser Solution for Space and the Earth (LSSE2016)**
  Conference Chair: Toshikazu Ebisuzaki (RIKEN)
  Sponsored by the Executive Committee of Laser Solution for Space and the Earth

- **The 3rd Optical Manipulation Conference (OMC’16)**
  Conference Chair: Takahige Omatsu (Chiba University)
  Sponsored by the Japan Society of Applied Physics

- **The 5th Pacific-rim Laser Damage Conference (PLD’16)**
  Conference Chair: Takahisa Jitsuno (Osaka University)
  Co-Sponsored by Inst. of Laser Eng. Osaka Univ. / SPIE / SIOM Chinese Academy of Science

- **The 2nd Smart Laser Processing Conference (SLPC2016)**
  Conference Chair: Yasuhiro Okamoto (Okayama University)
  Sponsored by the Japan Society of Applied Physics

- **International Conference on X-ray Optics, Detectors, Sources, and their Applications 2016 (XOPT’16)**
  Conference Chairs: Tetsuya Ishikawa (RIKEN) / Kazuto Yamauchi (Osaka University)
  Co-Sponsored by RIKEN SPring-8 Center / Research Center for Ultra-Precision Science & Technology, Osaka University.

Participants: 1,028 from 31 countries and regions
Presented papers 737

Co-Located OPIE’16
Visitors 15,132
Exhibitors 335 companies for 453 booths