



OITDA

Optoelectronics Industry and Technology Development Association

Optoelectronics Industry and Technology

In anticipation of the coming ubiquitous network society, not only the information industry but also various other industries - including manufacturing and material production industries, as well as service industries such as distribution, medical and entertainment - will create new types of value to add to their products and services during the 21st century.

In the course of this, it is said that optoelectronics technology - which is applied in the fields of information processing, communication, information recording, light energy, processing/measurement, sensing, and medical care - will play a leading role in the development of society. This technology is also expected to contribute greatly to providing security of life, by helping to solve issues relating to the global environment, energy and food safety.

Mission

In order to meet the high expectations for optoelectronics industry and technology, which will support the society of tomorrow, the OITDA actively conducts a wide range of activities, such as research and study, promoting and supporting technology development, and furthering standardization. It also makes active efforts to spread and raise awareness of optoelectronics technology worldwide, through cooperating with optoelectronics industry associations in Europe, the United States and Asia.



About Us

Name : Optoelectronics Industry and Technology Development Association(OITDA)

Date of Establishment : July 25, 1980

Fund : 400 million yen

Board Member Companies:

Fujikura Ltd., Fujitsu Limited., Hitachi, Ltd., Mitsubishi Electric Corporation,
NEC Corporation, Nippon Sheet Glass Co., Ltd.,
Nippon Telegraph and Telephone Corporation, Oki Electric Industry Co., Ltd.,
Panasonic Corporation, Sumitomo Electric Industries, Ltd.,
The Furukawa Electric Co., Ltd., Toshiba Corporation

Research and Study

● Optoelectronics Technology Roadmaps

We formulate Optoelectronics Technology Roadmaps in order to identify the specific needs for optoelectronics technology in relevant fields (e.g. Information-processing photonics, Safety and security photonics, Optical user interface, Optical communication, Optical processing and measurement), and clarify the direction and schedule for research and technology development to meet those needs.

● Optoelectronics Technology Trends

We investigate the current status and trends of optoelectronics technology at home and abroad from a variety of perspectives and on a continuous basis. We aim to use the findings as guidelines for the future direction of research and development in this field.

● Optoelectronics Industry Trends

We conduct a survey every year in order to analyze the present scale of domestic production and total shipment in the optoelectronics industry and estimate its future prospects, while grasping the trends in optoelectronics industry resources. In doing so, we aim to indicate the direction in which the Japanese optoelectronics industry should proceed.

● Industry-Academia-Government Cooperation

Study groups established within the OITDA work toward strengthening cooperation between industry, academia and government in various fields of optoelectronics. Study group members exchange with one another the latest information and opinions on the relevant technologies available at home and abroad, and conduct group activities according to the situation in each technology field.

Technology Development

● R&D Project

The optoelectronics industry should conduct research and development more vigorously in order to maintain their lead in this field. We plan and manage total research and development projects, which cover everything from the discovery of seeds of potential optoelectronics technology through to development for commercialization, drawing together the efforts of the industrial, academic and governmental sectors.

Standardization

● Optoelectronics Industry and Technology Standardization Society

It is critically important to take timely action in responding to standardization. With this in mind, the Optoelectronics Industry and Technology Standardization Society actively engages in creating domestic standards as well as international standards.

● Japanese Standardization

Since 1981, we have been contributing to the promotion of standardization by drafting Japanese Industrial Standards (JIS) related to optoelectronics. More than 250 JIS drafts that we laid down have been adopted as official standards. We also develop "OITDA standards" to promote international standardization.

● International Standardization ISO/IEC

We have established national committees in Japan that correspond to the international Organization for Standardization (ISO) and the International Electrotechnical commission (IEC). We send experts to ISO/TC 172/SC 9 (Electro-optical systems other than lasers) and IEC/TC 76 (Optical radiation safety and laser equipment). We fulfill our duties through the activities of these committees, by submitting drafts of international standards and holding international conferences in Japan.

Awards, Education and Disseminations

● Awards

- Awarding the Kenjiro Sakurai Memorial Prize to individuals and groups who have made significant contributions to the development of optoelectronics industrial technology ; this prize was established as a memorial to the former executive director of the OITDA, Dr. Kenjiro Sakurai, who played a major role in developing the optoelectronics industry.

● Education

- Laser Safety School: Providing educational programs on laser safety for people engaged in handling laser equipment, by inviting expert in the field as lectures.
- Examination for Laser Equipment Engineers: Assessing the standard knowledge required for laser equipment engineers as well as safety managers and safety engineers; those who have passed the examination are registered at the OITDA.
- Operating the technical advisor institution to provide the technical support necessary for starting new businesses in the field of optoelectronics.

● Disseminations

- Holding optoelectronics symposiums, monthly seminars and various other forums.
- Providing information on the OITDA by publishing Annual Technical Report and distributing OITDA WEB for the general public.

InterOpto

InterOpto is an international exhibition sponsored by the OITDA, wherein remarkable new optoelectronics technology as well as laser, photonics and optoelectronics device products are displayed. Through this event, the OITDA provides participants with the opportunity to collect information, exchange technologies and spread their corporate images.

The OITDA also holds seminars for participants in InterOpto and various other seminars (focusing on trends in optoelectronics industry and technology).

OITDA supports ventures and small / medium enterprises to exhibit in InterOpto and present at seminars.



International Cooperation

IOA International Optoelectronics Associations

The IOA is a voluntary, informal coalition of International Optoelectronics Associations.

Members have corporate membership in the optoelectronics industry.

The IOA members collect and exchange the information on production trends, activity report of each organization, future growth areas for R&D, technology roadmap activities.



■ Canada

CPIC Canadian Photonic Industry Consortium
<http://photonscanada.ca/en/>

■ EU

EPIC European Photonics Industry Consortium
<http://www.epic-assoc.com/>

■ Korea

KAPID Korea Association for Photonics Industry Development
<http://www.kapid.org/english/>

■ Germany

OptecNet
<https://optecnet.de/en/>

■ Japan

OITDA Optoelectronics Industry and Technology Development Association
<http://www.oitda.or.jp/index-e.html>

■ U.S.A.

OIDA OSA Industry Development Associates
<https://www.osa.org/en-us/home/>

■ Taiwan

PIDA Photonics Industry and Technology Development Association
<http://www.pida.org.tw/usub/en/index.asp>

■ Scotland

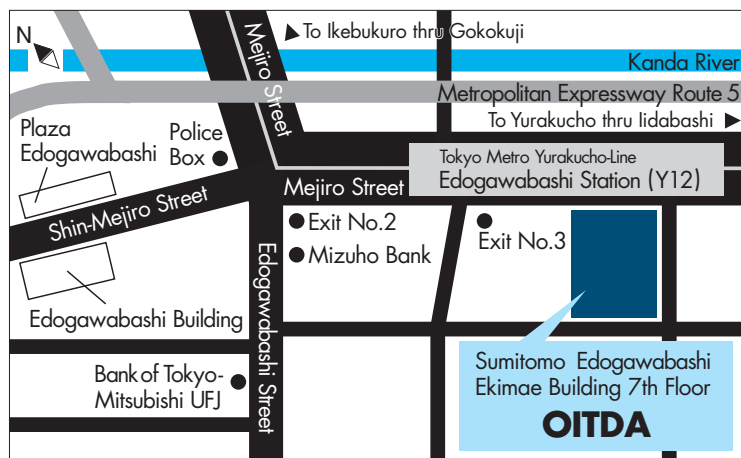
SOA Scottish Optoelectronics Association
<http://optoelectronics.org.uk/>

■ Switzerland

Swissphotonics
<https://www.swissphotonics.net/home>



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