



**OITDA**

Optoelectronic Industry and Technology Development Association

# Optoelectronic 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 optoelectronic technology - which is applied in the fields of information processing, communication, information recording, 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 optoelectronic 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 optoelectronic technology worldwide, through cooperating with optoelectronics industry associations in Europe, the United States and Asia.



## About Us

**Name :** Optoelectronic Industry and Technology Development Association(OITDA)

**Date of Establishment :** July 25, 1980

**Fund :** 700 million yen

**Board Member Companies:**

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

# Research and Study

## ● Optoelectronic Technology Roadmaps

We formulate Optoelectronic Technology Roadmaps in order to identify the specific needs for optoelectronic technology in relevant fields (e.g. information processing, communication, optical storage, input/output, display, processing/measuring), and clarify the direction and schedule for research and technology development to meet those needs.

## ● Optoelectronic Technology Trends

The Optoelectronic Technology Trend Research Committee, which consists of people on the front lines of optoelectronic technology research and development, investigates the current status and trends of optoelectronics at home and abroad from a variety of perspectives and on a continuous basis. The committee aims to use the findings as guidelines for the future direction of research and development in this field.

## ● Optoelectronic Industry Trends

We conduct a survey every year in order to analyze the present scale of domestic production in the optoelectronic industry and estimate its future prospects, while grasping the trends in optoelectronic industry resources. In doing so, we aim to indicate the direction in which the Japanese optoelectronic 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 optoelectronic 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 optoelectronic technology through to development for commercialization, drawing together the efforts of the industrial, academic and governmental sectors.

## ● Supporting Venture Businesses

We supports venture enterprise's projects for developing new equipment, devices and systems through the application of optoelectronics. More specifically, we solicit themes for development projects from the public every year and develop systems and devices with potential for practical use and future expansion, thus demonstrating the usability of new developments and contributing to the creation of new markets.

# Standardization

## ● Optoelectronic Industry and Technology Standardization General Committee

It is critically important to take timely action in responding to standardization. With this in mind, the Optoelectronic Industry and Technology Standardization General Committee 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 150 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 fulfill our duties through the activities of these committees, by submitting drafts of international standards and holding international conferences in Japan. In particular, we serve as the international executive office for WG7 of ISO/TC 172/SC 9 (Electro-Optical Systems Other than Lasers). In recent years, we have focused on research and development aimed toward proposing international standards.

# Disseminations and Education

## ● Disseminations

- Holding optoelectronics symposiums, monthly seminars and various other forums
- Awarding the Kenjiro Sakurai Memorial Prize to individuals and groups who have made significant contributions to the development of optoelectronic 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 optoelectronic industry
- Providing information on the OITDA by publishing Annual Technical Report and distributing OITDA WEB for the general public

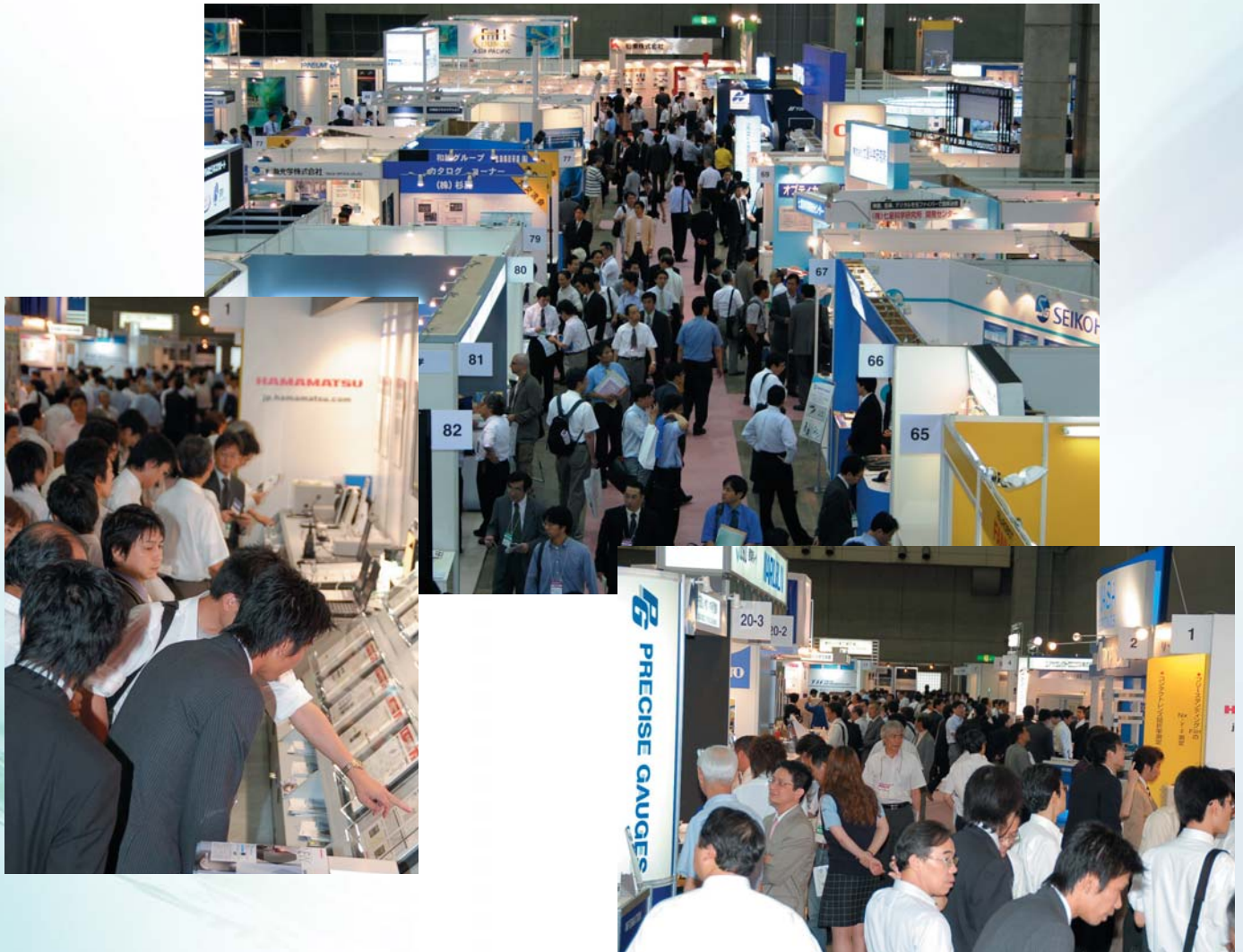
## ● Education

- Operating the technical advisor institution to provide the technical support necessary for starting new businesses in the field of optoelectronics
- Laser Safety School: Providing educational programs on laser safety for people engaged in handling laser equipment, by inviting experts in the field as lecturers
- 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

# InterOpto

InterOpto is an international exhibition sponsored by the OITDA, wherein remarkable new optoelectronic technologies as well as laser, photonics and optical 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 optoelectronic industry and technology).



# 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 represents the interests of the industry to national governments, collects information on the optoelectronics market and produces optoelectronics technology roadmaps.



- Japan **OITDA** Optoelectronic Industry and Technology Development Association  
<http://www.oitda.or.jp/index-e.html>
- U.S.A. **OIDA** Optoelectronic Industry Development Association  
<http://www.oida.org/>
- Taiwan **PIDA** Photonics Industry and Technology Development Association  
<http://www.pida.org.tw/>
- Scotland **SOA** Scottish Optoelectronics Association  
<http://www.optoelectronics.org.uk/>
- Korea **KAPID** Korea Association for Photonics Industry Development  
<http://www.kapid.org/eng/main.jsp>
- Singapore **PA(S)** Photonics Association (Singapore)  
<http://www.singoptics.org>
- Germany **OpTech-Net**  
<http://www.optech-net.de/>
- Hong Kong **HKOEA** Hong Kong Optoelectronics Association  
<http://www.hkoea.org/>
- Australia **OIA** Optoelectronics Industries Australia  
<http://www.aeema.asn.au/>
- EU **EPIC** European Photonics Industry Consortium  
<http://www.epic-assoc.com/>



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