

# interOpto 2024 -Science Photonics Fair in Japan

IR Fair / Spectroscopy Fair / Optical Thin Film Fair / UV Fair /  
Laser Science Technology Fair / Optics Fair /  
Visualization Technology Fair /  
Optical Information Processing & Network Zone [new] /  
Mobility Photonics Zone [new], Human Interface Zone [new]

## Final Report

October 29 (Tue) -31 (Thu), 2024 (10:00-17:00)  
Pacifico Yokohama Exhibition Hall C + Annex Hall

Organizer :

Optoelectronics Industry and Technology Development Association  
The Optronics Co., Ltd.

---

## Outline

---

Title :	interOpto 2024 -Science Photonics Fair in Japan-
Fair Name :	IR Fair, Spectroscopy Fair / Optical Thin Film Fair / UV Fair Laser Science Technology Fair / Optics Fair / Visualization Technology Fair Optical Information Processing & Network Zone [new] / Mobility Photonics Zone [new] Human Interface Zone [new]
Period :	October 29 - October 31, 2024 10:00-17:00
Venue :	Pacifico Yokohama Exhibition Hall C / Annex Hall 1-1-1 Minatomirai, Nishi-ku, Yokohama 220-0012, Japan
Organized by :	OITDA / The Optronics Co., Ltd.
Cooperated by :	Ministry of Economy, Trade and Industry / JETRO / Japan Science Foundation Manufactured Imports and Investment Promotion Organization(MIPRO)
Co-sponsored by :	The Society of Instrument and Control Engineers / Communications And Information Network Association of Japan / The Japan Society for Precision Engineering / The Institute of Electrical Engineers of Japan / Japan Electronics and Information Technology Industries Association / The Institute of Electronics, Information and Communication Engineers / The Japan Electrical Manufacturers' Association / The Japanese Electric Wire & Cable Makers' Association / The Laser Society of Japan / Japan Laser Processing Society / The Japan Society of Laser Technology / JAPAN IMPOTERS ASSOCIATION OF LASERS & ELECTRO-OPTICS / The Optical Society of Japan / The Japan Society of Applied Physics / Japan Photonics Council / Micromachine Center / The Spectroscopical Society of Japan / The Optical Thin-Film Science and Engineering group / JPC- Ultraviolet Light Research Group / Consortium of Visible Laser Diode Applications / Japan Optical Glass Manufacturers' Association / The Japan Institute of Electronics Packaging
Visitors :	Industry professionals (full pre-registration required, free admission)
Fair Management:	The Optronics Co., Ltd. Email: <a href="mailto:event@optronics.co.jp">event@optronics.co.jp</a> Web: <a href="https://www.opie.jp">https://www.opie.jp</a>

---

## Summary of results (exhibitors)

---

---

Number of exhibitors : 169 companies/organizations (157 companies/organizations in 2023)

7 countries / area (Japan 160, China 3, USA 2, Canada 1, Germany 1, Korea 1, Taiwan 1)

---

Number of booths : 186 booths (177 booths in 2023)

---

### Exhibitor List :

Advanced Communication Media Co., Ltd.	Japan Optical Glass Manufacturers' Association
AIM Co., Ltd.	Japan Photonics Council
AIO Core Co., Ltd.	JEOL Ltd.
AISAY Corporation	Kantum Ushikata Co., Ltd.
Alnair Corporation	KAWAI OPTICS CO., LTD.
ARTRAY CO., LTD	KEYSTONE International Co., Ltd.
Asahi Kasei Corporation	KONICA MINOLTA JAPAN, INC.
Asahi Spectra Co.,Ltd.	Koshin Kogaku Co.,Ltd
asphericon GmbH	Koyo Orient Japan Co., Ltd.
AUTEX, INC.	KYOCERA Corporation
AVAL DATA CORPORATION	KYOCERA SOC Corporation
BOOK Fair	KYOKKO TRADING CO., LTD.
BPF laser innovation corporation	KYOKUEI-KENMAKAKOU CO., LTD.
Bunkoukeiki Co., Ltd.	LightBridge LLC.
Camerium Inc.	Lumibird Japan Co.,Ltd.
Canare Electric Co., Ltd.	Luminex Trading, Inc.
Caywan Office Inc.	MB SMART Co., LTD
CBC Optics Co., Ltd.	Menlo Systems K.K.
CBS Japan	Microsignal Co., Ltd.
Changchun Boxin Photoelectric Co., Ltd.	Mitsui Optical Manufacturing Co., Ltd.
CHRONIX Inc.	MORITA OPTICS CO., LTD.
City of Chitose CIST	MOSWELL CO., LTD.
ColorLink Japan, Ltd.	MSH systems, Inc.
Craft Center SAWAKI Inc.	Nagaoka University of Technology
Crystal Systems Corporation	NARAHARA AUTO TECHNICAL CO., LTD.
DAICO MFG CO., LTD.	National Astronomical Observatory of Japan,
DHT Corporation	National Institutes of Natural Sciences
e.x.press Co., Ltd.	Natsume Optical Corporation
Elcyo Co., Ltd.	Nautilus Technologies, Inc.
ETERN Optoelectronics	NEOARK Corporation
FIT CORPORATION	Nihon Tokushu Kogaku Jushi Co., Ltd.
FUJIFILM Optics Co., Ltd.	Nippon Electric Glass Co., Ltd.
FUJII OPTICAL CO., LTD.	Nippon Kayaku Co., Ltd.
Fujitok Corporation	NISSIN KIKAI Co., Ltd.
Genial Light Co., Ltd.	NITTO OPTICAL CO., LTD.
Graviton Incorporated	NTT Advanced Technology Corporation
HAMAMATSU PHOTONICS K.K.	Ocean Photonics, Inc.
Hellma Materials Japan k.k.	OCJ / Optical Coatings Japan
Hengfeng International Electronics Co., Ltd.	OPHIR JAPAN LTD.
Hitachi High-Tech Science Corporation	OPIC
HORIBA, Ltd.	OPT CAREER
HOTTA Optical Co., Ltd.	OPTICAL SOLUTIONS CORPORATION
Hubei New HuaGuang Information Materials Co., LTD	OPTO SCIENCE, INC.
Iida Lighting Co.,Ltd.	OPTO SCIENCE, INC.
IYYAMA PRECISION GLASS CO., LTD	Opto-Line, Inc.
Institute for Laser Technology	Opto-Works Co., Ltd.
Institute of Laser Engineering, Osaka University	Optoelectronics Industry and Technology
IR System Co., Ltd.	Development Association
Iridian Spectral Technologies	OPTOQUEST Co., Ltd.
ISUZU GLASS LTD.	OptoSirius Corporation
J.A. Woollam Japan	OPTRONICS MEDIA
Japan DEVICE Ltd.	Optronscience, Inc
JAPAN IMPORTERS ASSOCIATION OF LASERS	ORANGEARCH Inc.
& ELECTRO-OPTICS	OXIDE Corporation

Photonics Electronics Technology Research Association  
Photonics Media  
PHOTOTECHNICA CORP.  
Prior Scientific K.K.  
Pulstec Industrial Co., Ltd.  
QD Laser, Inc.  
RAD Device Co., Ltd.  
ReallImage Inc.  
RICOH JAPAN Co.,LTD  
Rinks Web Corporation  
S.G.K. co., ltd.  
Santec  
SENS-AIT Council  
Sharp Fukuyama Laser Co., Ltd.  
shibahara manufacturing industry Co, Ltd.  
Shikoh Tech Co., Ltd.  
Shimadzu Corporation  
SinterLand Inc.  
SOMO IR Co., Ltd.  
Space Photon Co., Ltd.  
Spectra Quest Lab, Inc.  
Spectra-Physics K.K.  
SPIE  
SteraVision Corporation  
Sun Instruments, Inc.  
SURUGA SEIKI CO., LTD.  
SYNERGY OPTOSYSTEMS CO., LTD.  
Systems Engineering Inc.  
T.E.M. Incorporated  
TAC COAT CO., LTD  
Tachibana Optical Lens Co., Ltd.  
Taihei Boeki Co., Ltd.  
Taisyuu Optical, Inc.  
Tamron Co.,Ltd.  
TANAKA ENGINEERING INC.  
TATSUTA ELECTRIC WIRE & CABLE CO., LTD.  
Technical Co., Ltd.  
The Laser Society of Japan  
The Optical Society of Japan  
The Optical Thin-Film Science and Engineering group  
The Spectroscopical Society of Japan  
The University of Electro-Communications  
Thermo Graphitics Co., Ltd.  
THK PRECISION CO., LTD.  
Thorlabs Japan Inc.  
TOEI Denka Kogyo Co., Ltd.  
Tokai Co., Ltd.  
Tokushima University  
Tokyo Electron Device Limited  
Tokyo Instruments, Inc.  
TOPCON CORPORATION  
TOYO CHEMICAL Co. Ltd.  
Trimatiz.ltd  
TSUBOSAKA ELECTRIC CO., LTD.  
Universal Photonics Far East Inc.  
UNIVERSE OPTICAL INDUSTRIES  
Vision Sensing Co., Ltd.  
Yokogawa Test & Measurement Corporation  
Yucaly Optical Laboratory, Inc.

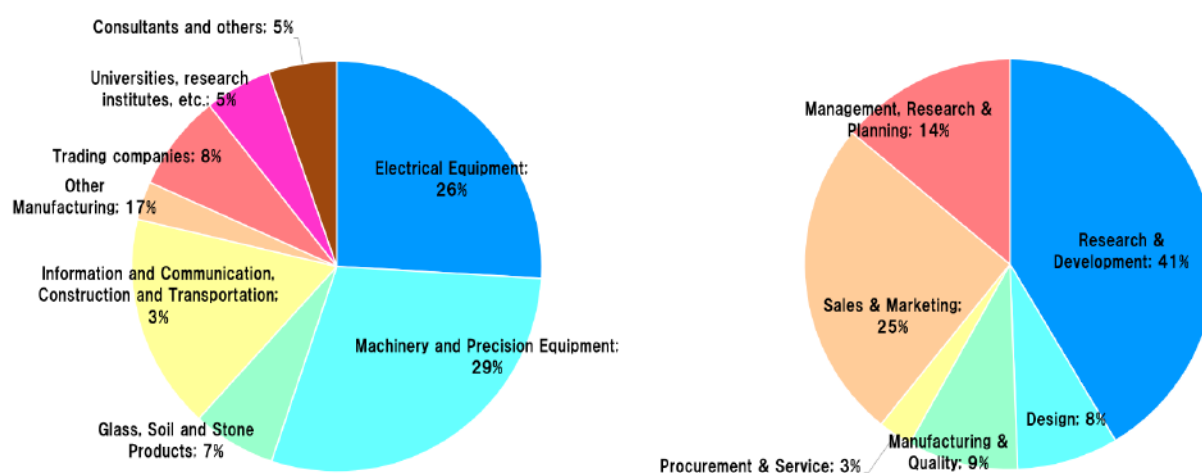
## Summary of Results (Visitors)

Number of visitors :

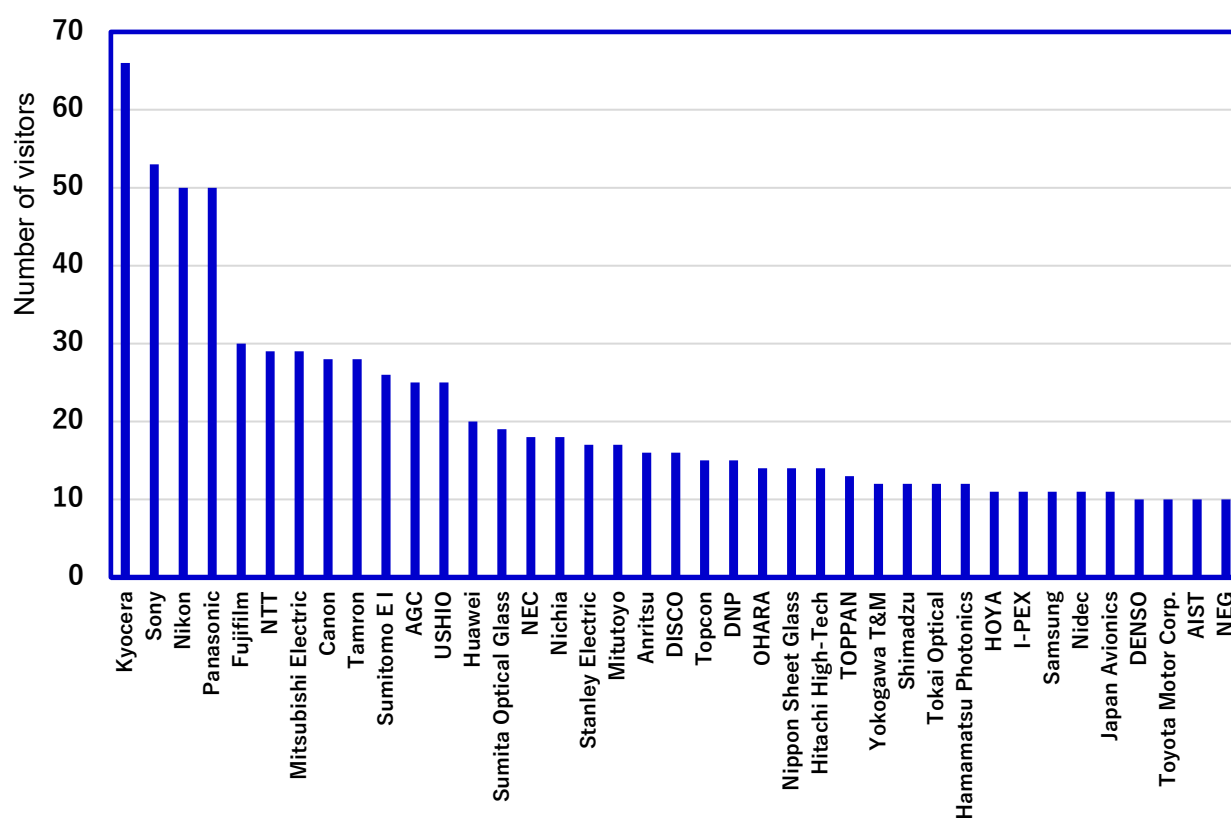
2024	October 29	October 30	October 31	Total
Visitors	1,354	1,672	1,807	4,833
2023	November 7	November 8	November 9	Total
Visitors	1,575	2,042	1,743	5,360

\*Counting as one individual even if they visit multiple times on the same day

Visitor Profile : Job categories and Industries



Visitor Profile : Visitor Affiliation (Top 40)



---

## Concurrent seminars and events

---

The original titles are in Japanese,  
and the seminar titles are translated for reference.

---

### Seminar Program :

**Infrared Seminar** [Latest Technologies of Infrared Image Sensors and Infrared Cameras]

Small Format Uncooled Infrared Image Sensor Technology / Development of Shutterless Far Infrared Camera Module / Uncooled Infrared Camera Technology

**Spectroscopy Seminar** [Spectroscopy to Explore Size, Concentration and Interface of Molecules]

Tutorial on Sum Frequency Generation Spectroscopy / Basics of Fluorescence Correlation Spectroscopy

**Optical Thin Film Seminar** [Technologies Supporting the Optical Thin Film Industry]

Material Selection for Purpose Specific Deposition / Electron Beam Control Techniques from the Starting Point / Fundamentals of Optical Thin Films for Effective Use / Basics and Applications of Spectral Characterization Methods for Optical Thin Films Application Examples

**UV Seminar** [Frontiers of short wavelength UVCLEDs and their applications]

Frontiers of short wavelength UVCLEDs and their applications / High efficiency and high power UVCLEDs for sterilization and their applications / Recent progress and applications of FUV LEDs on aluminum nitride substrate

**Optics Seminar** [Advanced Optical Control - Metasurfaces / Metamaterials]

Dielectric Fundamentals of Design and Manufacturing of Metasurfaces and Metalenses / Novel Plasmo based on Random Structures Nick Metamaterials / Optical Properties of Multilayers and Wavelength Control of Thermal Radiation Using Multilayers

**Visualization Technology Seminar** [Latest Trends in Computational Imaging]

Computational Imaging/ Computational Imaging / Thin Camera Realized by Computational Imaging / Lensless Imaging with Deep Depth of Field

**Open Seminar** "Optical Technology x Semiconductor Industry"

Semiconductor and Digital Industry Strategy / AI Laser Microfabrication for Semiconductor Back-end Process / Semiconductor Packages Development of Interlayer Insulating Materials and High Density Technology for G-Substrates About the latest trend of EUV light source development and Introduction of EUV research activities at State University and EUV Photon / Latest movement of EUV mask defect inspection system EUV lithography system for advanced semiconductor devices

**OITDA Seminar** "Future Optical Technology including IOWN Concept"

Organizer's remarks / Device technology for realization of IOWN concept / In-vehicle night vision system Technology / Vision by in-vehicle night vision system / Object recognition technology under bad field condition / Palm-sized long-range LiDAR and point cloud processing middleware / Spatial irradiation application of visible light lasers

---

Event Program : Institute for Laser Technology ILT2024 FY2023 Research Results Report Meeting  
16th Photonics Science Forum Summit "Laser and AI for Super Smart Society"  
FY2024 Laser Safety Seminar  
Exhibitor Technical Seminar  
Optical Technology Seminar in the Spotlight





## Visitor Attraction Activities Results

E-Mail / Direct Mail: Readers of OPTRONICS Magazine and other publications, purchasers of books published by Optronics, participants in exhibitions and seminars hosted by Optronics, etc. (approx. 45,000 E-Mails)

Visitors for our booth at exhibitions such as interOpto, nanotech, JASIS, INTERNATIONAL TECHNICAL EXHIBITION ON IMAGE TECHNOLOGY AND EQUIPMENT (approx. 20,000 E-Mails)

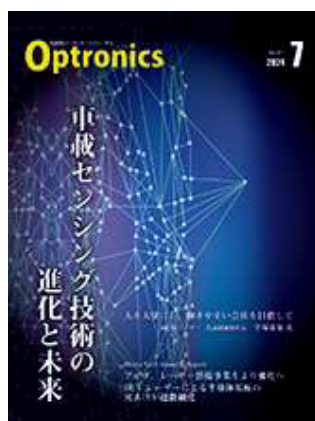
Optronics Newsletter (HTML) (approx. 50,000 E-Mails)

From sponsoring organizations, media sponsors, etc. (approx. 85,000 E-Mails)

Technical magazines, Web: Announcement of the event in OPTRONICS Magazine, related academic journals, web journals

Media partners: Email distribution and other announcements through media partners such as Laser Focus World

Press releases: Distribution of 300 press releases to specialized media using distribution services



**インターオプト・光とレーザーの科学技術フェア**  
来場者前登録受付中  
2024年10月29日(火)～31日(木) パシフィコ横浜

パシフィコ横浜開催です。会場をお問合し無しにお越しください！  
約170社の出展社が光学分野の技術を製品を提供しております  
[インターオプト2024・光とレーザーの科学技術フェア](#)  
来場者前登録をお願いします

株式会社オプトロクス社 事業企画  
シニアアドバイザー  
柏木 亮 様

お名前や所属先が変更となった方や訂正が必要な場合には、[こちら](#)より訂正が可能です。

オプトロクス社は長年光学技術に特化し、かつ、来場者の期待にそう規格・出展社数を維持している展示会(OPIE、光とレーザーの科学技術フェア)を開催してきました。『インターオプト2024・光とレーザーの科学技術フェア』も、エレクトロニクス一般を対象とした総合的な展示会の one of them ではありません。光技術と関連製品は特化した専門展示会であり、しかもこの規模は秋開催としては最大規模となります。昨年の『光とレーザーの科学技術フェア』よりも今年はさらに出展社数が増え、レーザー・光学とその応用技術を一瞥できる最大規模の展示会に成長しました。皆様のご来場をお待ちしております。

=====

**インターオプト2024・光とレーザーの科学技術フェア**  
・会期:2024年10月29日(火)～31日(木)  
・会場:パシフィコ横浜 展示ホールC  
・赤外線フェア / 分光フェア / 光学顕微鏡フェア / 紫外線フェア  
・レーザー科学技術フェア / オプティクスフェア / 可視化技術フェア  
■新設:光情報処理・ネットワークゾーン  
■新設:モビリティ・オプティクスゾーン  
■新設:ニューマニシング・オプティクスゾーン

★インターオプト2024特設ページ公開中！[こちらをクリック！](#)  
=====

皆様のご来場をお待ちしております！  
(今回、すでに来場登録を済ませている方にもご案内しておりますので、重ねてのご案内となりましたら申し訳ございません)

過去最大の出展規模となっています  
成長続ける展示会群

過去最大の出展規模・パシフィコ横浜での開催！  
小規模・出展社数と記録更新中です。来場者の皆様にとっては、同一会場でも様々な出展社との情報交換が可能な展示会となりました。会場も利便性のあるパシフィコ横浜となっています。国内のオプトロクス分野のこの時期の展示会としては国内最大規模であり、ぜひ、この機会を情報収集、商談にご利用下さい！(佐々木氏は同じ会場で開催したOPIEの様子)

今年度の新製品・技術・業界動向をいち早くつかめます  
新年度に合わせ、満を持した展示に注目下さい

技術の進歩をとらえた新しい分野の新設と新装  
光とレーザーの科学技術フェアは、様々な産業分野に対するキーテクノロジーとしての光技術を紹介する場として拡大してきましたが、『インターオプト・光とレーザーの科学技術フェア』として生まれ変わりました。さらに来年度の計画がすぐ手に入る直前ですので、出展社様はこの場で新製品、新サービスを発表する事が多くなってきております。今後は開催のノーン・テアにおける出展も期待大です。

毎日のハイライトを「から版」にて配布します  
『Optronics Today(Exhibition Daily)』の配布・Editor's Pickをお見逃しなく！

どこに注目技術があるか？参加すべきイベント、逃しませんか？  
オプトロクス社の総力をあけて、前日の13:00までの取材情報と編集・構成し、夜中に印刷し、当日の注目出展製品・技術、参加必須のイベントをまとめた『Optronics Today(Exhibition Daily)』を毎日両手します。オプトロクス社が特選集に注目の出展展示物、技術ピックアップします。入口には配布しますが書に限りがありますので、早い時期のご来場をお勧めいたします。ぜひ、この『Optronics Today(Exhibition Daily)』をお手元に見学していただき、(左写真は今年の春に開催したOPIEでわかる版のイメージ)

現在企画中 / 完成イメージ

今年も引き続き行います  
無料のセミナーと月間オプトロクスでスキルアップ

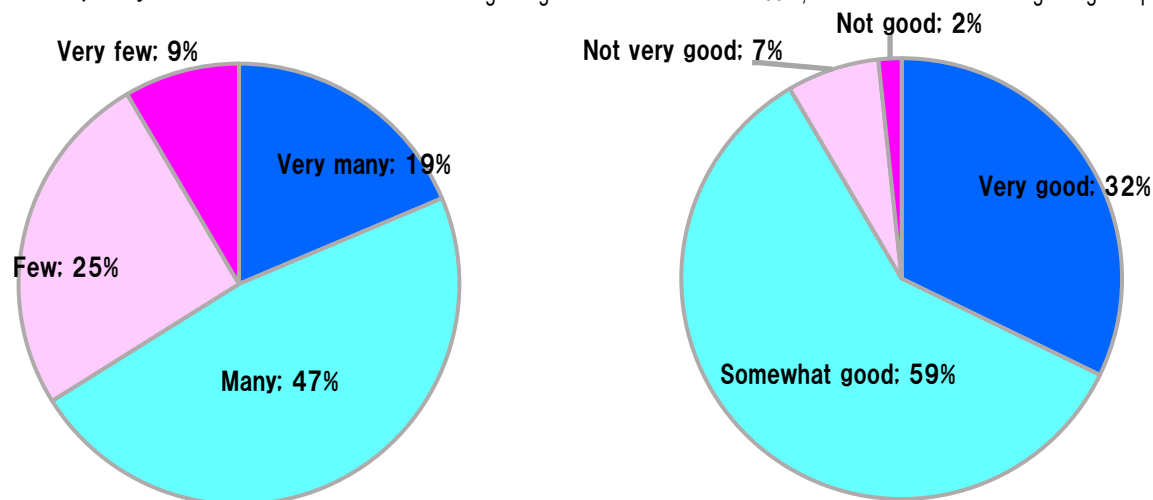
有料・無料の光学関連セミナーで基礎知識のブラッシュアップはもちろん、最新のピックアップまでキャッチアップできます  
(オプトロクス・オプトロクス・オプトロクス・オプトロクス・オプトロクス)

---

## Survey results (exhibitors)

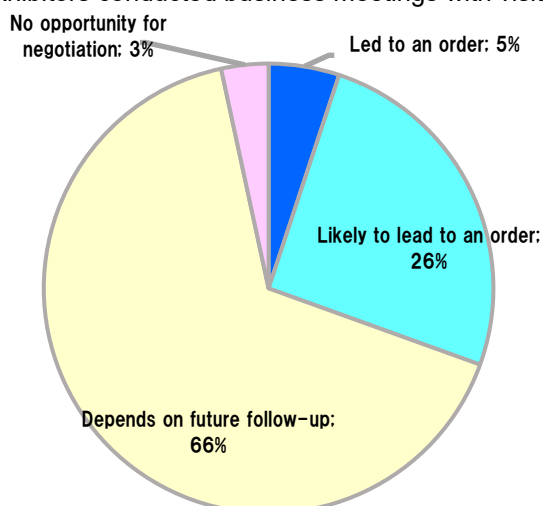
---

Number and quality of visitors : The satisfaction rate regarding the number of visitors is 66%, but the satisfaction rate regarding the quality is over 90%



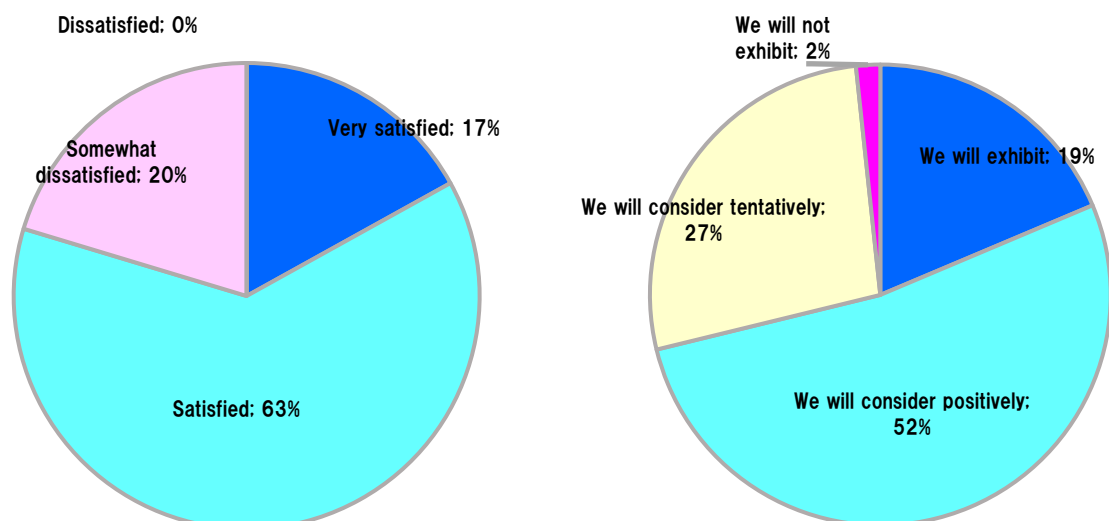
---

Results of meetings : 97% of exhibitors conducted business meetings with visitors, and 31% felt a definite response



---

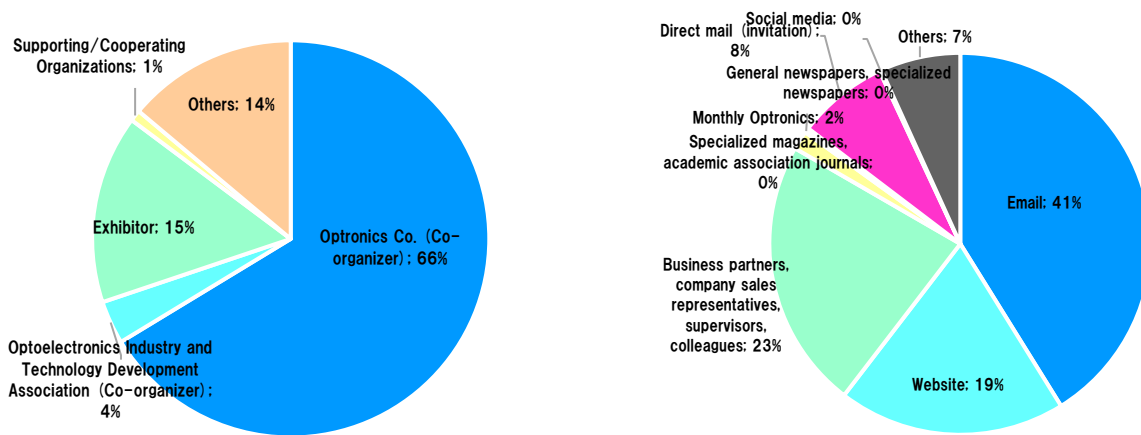
Level of satisfaction : 80% of exhibitors were satisfied, and 98% expressed their intention to exhibit next time



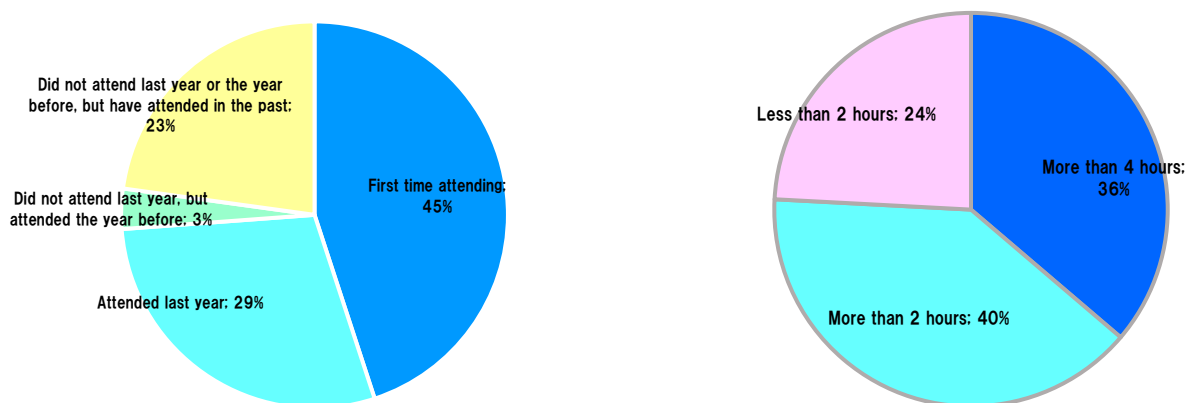


## Survey results (Visitors)

Sources of information : The contribution of the organizer's visitor attraction activities is 70%, and the effect of digital transmission remains significant

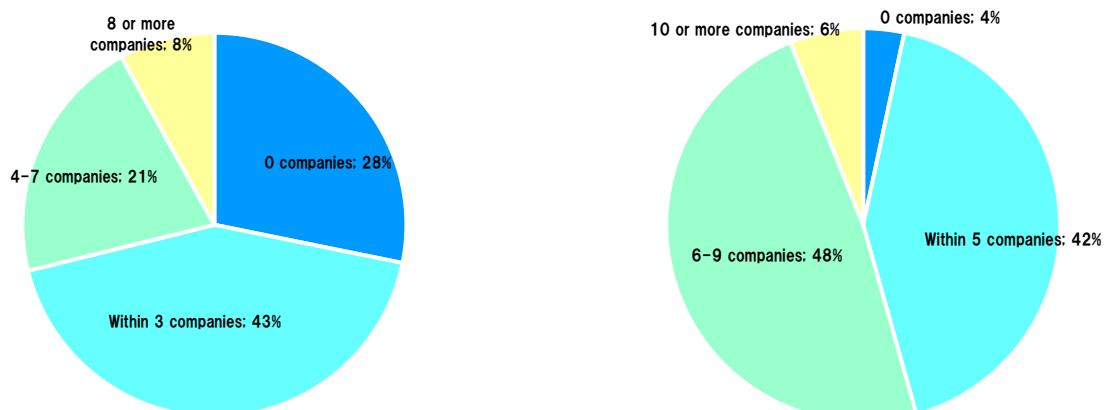


Visit history : 45% of visitors were first-time attendees, creating new connections, and 76% stayed for more than 2 hours



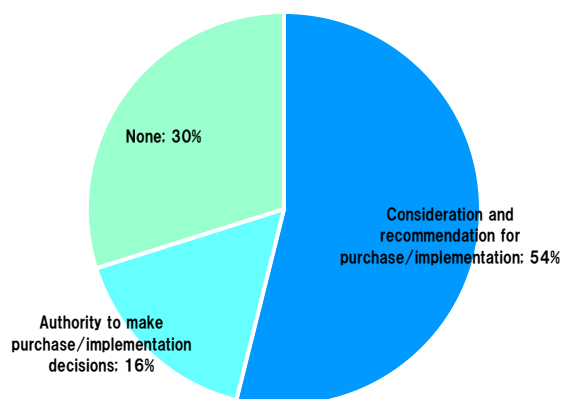
Purpose of visit and level of satisfaction :

72% of visitors made advance reservations, and 96% visited at least one company, highlighting the proactive utilization of visitors



---

Involvement of visitors in product purchasing decisions: 70% of visitors were involved in product purchasing decisions

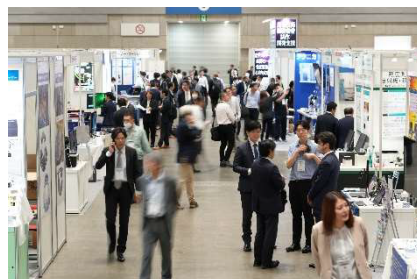


---

## Photo Gallery

---

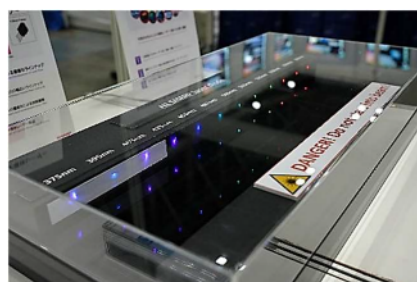
### Exhibition hall :



### Business discussion :



### Exhibition Products:



### Concurrent Events / Seminars :

