

CONNECT

SEMICON[®] Japan 2016

December 14-16, 2016
Tokyo Big Sight, Tokyo

2016 Highlights

- Exhibitor companies and visitors increased by 3% and 12% respectively compared to 2015.
- Among more than 29,000 verified visitors, 37% were engineers, 51% were management level and above, and 62% influence buying decision.
- Inaugural MIRAI GAKKO (future school) program showcased six programs for the younger engineers and college students, including a three-days hackathon attended by 31 engineers.
- Expanded industry coverage through two focused areas: IoT companies at WORLD OF IOT and startup companies at INNOVATION VILLAGE. The exhibitors in those areas increased over 2015 by 35% to 107 companies and organizations.
- More than 100 hours of programs delivered the latest technology and business information to over 10,000 participants. Speaker companies included: IBM, Cisco Systems, Siemens, GE, Fanuc, Panasonic, Honda Motor, Toshiba, Murata Manufacturing, NVIDIA, TSMC, ASE, TEL, Canon and Lam Research.

Co-located with **WORLD OF IOT**

Platinum Sponsors



Gold Sponsors



Registration

Cumulative Daily Attendance*	64,163
Total Verified Visitors	29,631

* Total of daily visitors, exhibitors and program attendees

Exhibitor Information

Total SEMICON Exhibiting Companies	757
SEMICON Japan	683
WORLD OF IOT	74
Net Exhibit Area	14,415 sqm
SEMICON Japan	13,703 sqm
WORLD OF IOT	712 sqm

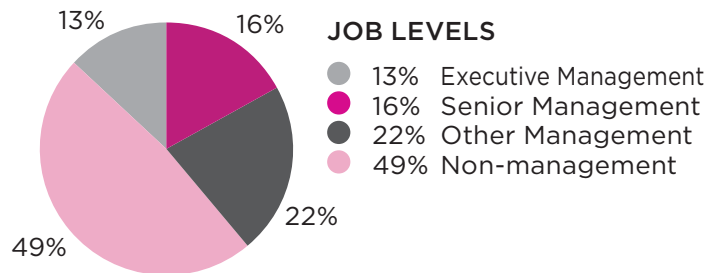
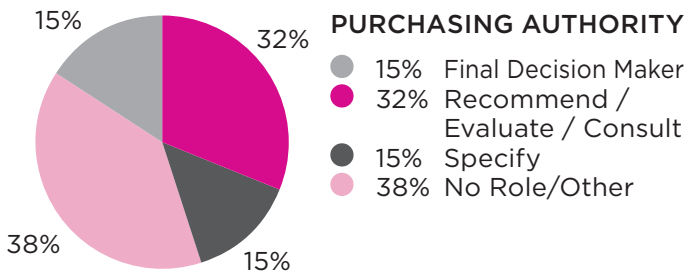
International Attendance

Total International Verified SEMICON Visitors	2,270
Major Countries Represented (Percent of Intl. Visitors)	
South Korea	47%
Taiwan	19%
Mainland China	13%
United States	9%
Germany	2%
Singapore	2%
Other	8%

Visitor Profile

SEMICON Japan attracts a highly influential audience from every segment and sector of the global microelectronics industries, including semiconductors, solar/PV, LEDs, MEMS, Display, Fabless/Design, System OEMs, printed/flexible electronics, and other adjacent markets.

Influential Buyers



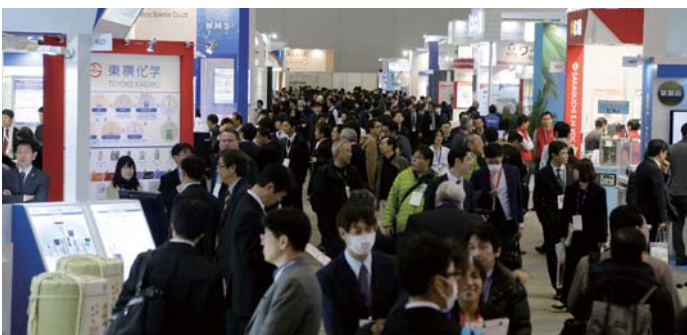
Primary Job Functions

Research and Development Engineering	18%
Design Engineering (incl. Software, Systems, Test, Hardware)	8%
Fabrication and Process Engineering	4%
Mfg. Engineering / Operations Management	2%
Facilities Engineering / Engineering Support	2%
Quality Assurance and Test Engineering	2%
Product Management / Engineering	<1%
Chemical Engineering	<1%
Assembly / Packaging Engineering	<1%
Marketing, Sales, Business Development	35%
Executive Management / Board Member	11%
Manufacturing and Production	2%
Training / Educator	2%
Purchasing / Procurement	2%
Financial / Industry Analyst	1%
Other	10%

37% visitors represent engineering or technical-influence Roles

18% visitors represent R&D engineering job function

62% visitors had influence in buying decisions



Areas of Interest

SEMICON Japan visitors are interested in a broad range of industries, technologies, and products from across the supply chain, from design to final manufacturing.

MANUFACTURING

Semiconductor Manufacturing (IDM, foundry)	29%
Packaging, Assembly and Test Services	12%
MEMS Manufacturing	12%
LED Manufacturing	11%
Fabless Semiconductor Manufacturing	10%
Electronic Manufacturing Services	9%
Photovoltaic Manufacturing	8%
Other Manufacturing	9%

MANUFACTURING EQUIPMENT

Wafer Processing / Front-end Manufacturing Equipment	18%
Inspection and Measurement / Metrology Products	13%
Test Equipment (Device)	8%
Assembly and Packaging Equipment	8%
Display Manufacturing Equipment	8%
Factory Automation / Robotics	8%
MEMS Manufacturing Equipment	6%
Material Handling Equipment	6%
LED Manufacturing Equipment	6%
Cleanroom / Lab Equipment	5%
Test Equipment (Environmental)	5%
Printing, Coating, Roll-to-roll Equipment	4%
Other Equipment	5%

MATERIALS

Wafers and Related Substrates	17%
Process Chemicals	14%
Deposition Materials	9%
Photolithography Materials	8%
Assembly and Packaging Materials	8%
Gases and Liquid Chemicals	7%
LED Materials	7%
MEMS Materials Supplier	7%
Consumables (Test and Process)	6%
PV/Solar Cells and Modules	4%
Inks, Pastes, and Printing Materials	4%
Cleanroom Supplies	4%
Other Materials	5%

SOFTWARE, OTHER PRODUCTS AND SERVICES

Factory Control Automation/Facilities	21%
Manufacturing/Factory Automation	16%
Secondary Equipment and Services	12%
Manufacturing Services and Consulting (Directly related to mfg.)	7%
Support Products (including Consumables)	7%
Sub-systems	7%
General Business Services/Consulting	6%
Electronic Design Automation	5%
Silicon Intellectual Property	3%
Other	16%

Technology Interests

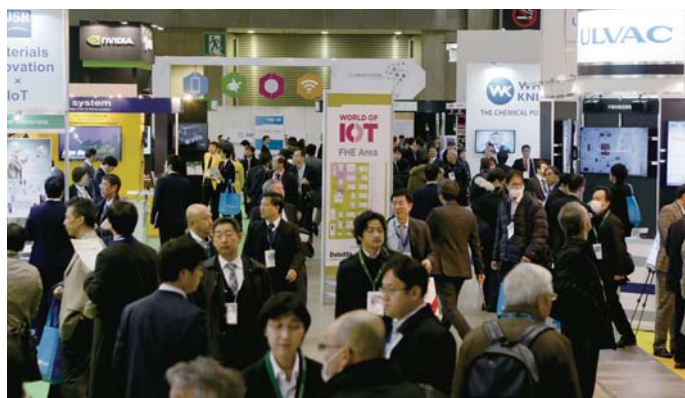
SEMICON Japan attracts a diverse range of visitors from across the microelectronics industry with multiple industry and technology interests.

MICROELECTRONIC DEVICE INTERESTS

MEMS / Sensor Components	14%
Analog / Power Semiconductors	14%
Integrated Circuit (IC) Memory	13%
Integrated Circuit (IC) Logic	11%
LED Components	9%
Batteries	8%
ASICs	6%
Displays	6%
Flexible / Plastic Electronics	6%

SYSTEMS INTERESTS

Sensing	13%
Industrial	12%
Automotive	11%
Consumer Electronics / Wearables	10%
Communications	9%
Imaging	9%
PC / Computer / Tablet / Storage	9%
Healthcare / Biotechnology / Wellness	7%
Energy / Power	7%



Key Visiting Companies and Organizations

SEMICON Japan attracts visitors from around the world and from every major microelectronics company, including buying teams from the world's top capital spending IDMs, foundries, fabless, OSATs, and OEMs.

ELECTRONICS / SYSTEMS / EMS

- | | | | |
|----------------------|-----------------------------|-------------------------|-----------------------|
| • Aishin Seiki | • Ericsson | • Ikegami Tsushinki. | • Omron |
| • Apple | • Fanuc | • JVC Kenwood | • Panasonic |
| • Bandai | • Flextronics International | • Kaga Electronics | • Pioneer |
| • Basler | • Fuji Xerox | • Konica Minolta | • Ricoh |
| • Brother Industries | • Fujitsu | • LG Electronics | • Sharp |
| • Canon | • Fujitsu General | • Mitsubishi Electric | • Shinsei Electronics |
| • Casio Computer | • Hewlett-Packard | • Murata | • Siemens |
| • Celestica | • Hitachi | • NEC | • Sony |
| • Cisco Systems | • Hochiki | • Nintendo | • STS International |
| • Citizen Watch | • Huawei Technologies | • Oki Electric Industry | • Taiyo Yuden |
| • Clarion | • IBM | • Olympus | • TEAC |
| • Dell | | | • Toyota Motor |

ELECTRONIC DEVICES

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|--------------------------------------|--------------------------|----------------------------|-------------------------------------|
| • Adamant | • Infineon Technologies | • NXP Semiconductors | • Sharp |
| • Aichi Steel | • Innolux | • OKI Electric Industry | • Shindengen Electric Manufacturing |
| • Alps Electric | • Intel | • Olympus | • Silicon Sensing Products |
| • Analog Devices | • Japan Display | • Omron | • SK Hynix |
| • Asahi Kasei Microdevices | • Kodenshi | • ON Semiconductor | • Skyworks Filter Solutions |
| • AU Optronics | • Kyocera | • Origin Electric | • SMIC |
| • Azbil | • Kyosemi | • Ortus Technology | • Sony Semiconductor Solutions |
| • Canon | • Kyushu Denshi | • Osram Opto Semiconductor | • Stanley Electric |
| • Citizen Electronics | • Lapis Semiconductor | • Panasonic | • TDK |
| • Copal Electronics | • LG Display | • Phenitec Semiconductor | • Texas Instruments |
| • Cree Japan | • Linear Technology | • Qorvo | • Toshiba |
| • Cypress Innovates | • Macronix International | • Renesas Electronics | • Towerjazz |
| • Denso Corporation. | • Micron Technology | • Ricoh Electronic Devices | • Panasonic Semiconductor |
| • Fuji Electric | • Micron Technology | • Rohm | • Toyota Gosei |
| • Fujikura | • Mitsubishi Electric | • Samsung Electronics | • TSMC |
| • Fujitsu Semiconductor | • Mitsumi Electric | • Sandisk | • Vishay Intertechnology |
| • Globalfoundries | • Murata Manufacturing | • Sanken Electric | • Western Digital |
| • Hamamatsu Photonics | • NEC Tokin | • Sansha Electric Mfg. | • Winbond Electronics |
| • Hitachi | • New Japan Radio | • Seiko Epson | • Yokogawa Electric |
| • Hitachi Power Semiconductor Device | • Nichia | • Seiko Instruments | • Youtec |
| • Iida Electronics | • Nissan Motor | • Seiko Instruments | |
| • IM flash technologies | • Nitride Semiconductors | • SEIKO NPC | |
| | • NTT Electronics | | |

FABLESS

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|-------------------------|--------------|-------------------------|---------------------|
| • AMD | • Cosmotechs | • PHI Microtech | • THine Electronics |
| • Aplus | • Jepico | • Qualcomm | • UltraMemory |
| • ARM | • MegaChips | • Raydium Semiconductor | • Yamaha |
| • Axell Corporation | • NF | • Sanei Hytechs | |
| • Chiplus Semiconductor | • NVIDIA | • Socionext | |

OSATs

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|--------------------|----------------------|--|-----------------------|
| • Amkor Technology | • Denken | • Renesas Semiconductor Package & Test Solutions | • STK Technology |
| • Aoi Electronics | • J Devices | • Shiima Electronics | • Tama Electronics |
| • ARS | • Katoh Electoric | • Shinko electric industries | • Tera Probe |
| • ASE | • Naito Densai Kogyo | | • Yamagata Electronic |

