SEMICON® Japan 2017 Post Show Report
December 13–15, 2017 | Tokyo Big Sight, Tokyo

2017 Highlights

- Exhibit area and visitors increased by 8% and 5% respectively compared to 2016
- International visitors increased by 17%, with highest increases from Korea and China
- WORLD OF IOT exhibit area and exhibitors increased by 23%
- All about Drones at WORLD OF IOT offered drone experiences including flying and a virtual reality drone ride
- More than 11,000 attendees participated in executive, technical and business programs. Speaker companies included: Amazon Web Services, ARM, Intel, Micron Technology, Nissan Motor, Nokia, Nvidia, Qualcomm, SMIC, Soft Bank, Sony and TowerJazz

International Attendance

<table>
<thead>
<tr>
<th>Major Countries Represented</th>
<th>(Percent of Intl. Visitors)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Korea</td>
<td>49%</td>
</tr>
<tr>
<td>Taiwan</td>
<td>16%</td>
</tr>
<tr>
<td>Mainland China</td>
<td>15%</td>
</tr>
<tr>
<td>United States</td>
<td>8%</td>
</tr>
<tr>
<td>Germany</td>
<td>2%</td>
</tr>
<tr>
<td>Singapore</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>8%</td>
</tr>
</tbody>
</table>

Registration

<table>
<thead>
<tr>
<th>Cumulative Daily Attendance*</th>
<th>67,613</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Verified Visitors**</td>
<td>31,251</td>
</tr>
</tbody>
</table>

Exhibitor Information

- Total SEMICON Exhibiting Companies: 752
  - SEMICON Japan: 661
  - WORLD OF IOT: 91
- Net Exhibit Area
  - SEMICON Japan: 13,790m²
  - WORLD OF IOT: 997m²
Visitor Profile

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

Influential Buyers

Purchasing Authority

- 15% Final Decision Maker
- 32% Recommend/Evaluate/Consult
- 14% Specify
- 39% No Role/Other

Job Levels

- 13% Executive Management
- 16% Senior Management
- 19% Other Management
- 49% Non-management
- 3% Students

38% visitors represent engineering or technical influence roles

24% visitors represent R&D and design engineering job function

6% visitors had influence in buying decisions

SEMICON® Japan 2017 Post Show Report

DREAMS START HERE

www.semiconjapan.org/jp
### 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.

#### DESIGN/MANUFACTURING SERVICES

<table>
<thead>
<tr>
<th>Service</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D/Technology Transfer</td>
<td>17%</td>
</tr>
<tr>
<td>Engineering Service</td>
<td>13%</td>
</tr>
<tr>
<td>Design/EDA</td>
<td>13%</td>
</tr>
<tr>
<td>Packaging &amp; Test Services (OSAT)</td>
<td>11%</td>
</tr>
<tr>
<td>Manufacturing Services and Consulting</td>
<td>9%</td>
</tr>
<tr>
<td>Foundries</td>
<td>9%</td>
</tr>
<tr>
<td>Factory Control/Process Software</td>
<td>8%</td>
</tr>
<tr>
<td>Electronic Manufacturing Services (EMS)/System Integration</td>
<td>7%</td>
</tr>
<tr>
<td>Fabless</td>
<td>6%</td>
</tr>
<tr>
<td>Other</td>
<td>8%</td>
</tr>
</tbody>
</table>

#### MANUFACTURING EQUIPMENT

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front-end Processing</td>
<td>22%</td>
</tr>
<tr>
<td>Inspection &amp; Measurement/Metrology</td>
<td>15%</td>
</tr>
<tr>
<td>Assembly/Packaging</td>
<td>10%</td>
</tr>
<tr>
<td>Test</td>
<td>10%</td>
</tr>
<tr>
<td>Factory Automation: Robotics</td>
<td>10%</td>
</tr>
<tr>
<td>Printing/Coating/Roll-to-Roll</td>
<td>7%</td>
</tr>
<tr>
<td>Components/Sub-systems/Instrumentation</td>
<td>5%</td>
</tr>
<tr>
<td>Parts</td>
<td>4%</td>
</tr>
<tr>
<td>Secondary Equipment and Services</td>
<td>4%</td>
</tr>
<tr>
<td>Large Area/Thin Film</td>
<td>4%</td>
</tr>
<tr>
<td>Abatement/Environmental Systems</td>
<td>3%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
</tbody>
</table>

#### MATERIALS

<table>
<thead>
<tr>
<th>Materials</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wafers/Substrates</td>
<td>27%</td>
</tr>
<tr>
<td>Process Material: Gases/Liquids/Solids/Chemicals</td>
<td>19%</td>
</tr>
<tr>
<td>Packaging/Assembly</td>
<td>13%</td>
</tr>
<tr>
<td>Cleaning</td>
<td>13%</td>
</tr>
<tr>
<td>Consumables</td>
<td>9%</td>
</tr>
<tr>
<td>Inks/Pastes/Printing Materials</td>
<td>9%</td>
</tr>
<tr>
<td>Other</td>
<td>10%</td>
</tr>
</tbody>
</table>

#### OTHER

<table>
<thead>
<tr>
<th>Category</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support Products/Cleanroom</td>
<td>24%</td>
</tr>
<tr>
<td>General Business Services/Consulting</td>
<td>15%</td>
</tr>
<tr>
<td>Representative Sales and Service</td>
<td>17%</td>
</tr>
<tr>
<td>Standards</td>
<td>14%</td>
</tr>
</tbody>
</table>
| Other                             | 31%      

### Technology Interests

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

#### MANUFACTURING TECHNOLOGY

<table>
<thead>
<tr>
<th>Technology</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front-end Manufacturing (IDM, Foundry)</td>
<td>19%</td>
</tr>
<tr>
<td>Material Engineering/Materials Science</td>
<td>15%</td>
</tr>
<tr>
<td>Packaging/Assembly</td>
<td>14%</td>
</tr>
<tr>
<td>Design/EDA/IP</td>
<td>10%</td>
</tr>
<tr>
<td>Test</td>
<td>9%</td>
</tr>
<tr>
<td>System Integration</td>
<td>8%</td>
</tr>
<tr>
<td>Board-level Manufacturing</td>
<td>7%</td>
</tr>
<tr>
<td>Roll-to-Roll/Printing</td>
<td>5%</td>
</tr>
<tr>
<td>System-level Manufacturing</td>
<td>4%</td>
</tr>
<tr>
<td>Other</td>
<td>10%</td>
</tr>
</tbody>
</table>

#### APPLICATION

<table>
<thead>
<tr>
<th>Application</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>IoT</td>
<td>16%</td>
</tr>
<tr>
<td>Automotive Electronics/Smart Transportation</td>
<td>12%</td>
</tr>
<tr>
<td>Artificial Intelligence Systems (AI)</td>
<td>12%</td>
</tr>
<tr>
<td>Smart Manufacturing</td>
<td>11%</td>
</tr>
<tr>
<td>Wearables</td>
<td>8%</td>
</tr>
<tr>
<td>Virtual Reality/Augmented Reality (VR/AR)</td>
<td>7%</td>
</tr>
<tr>
<td>Medical Electronics/MedTech</td>
<td>7%</td>
</tr>
<tr>
<td>Mobile Technologies/Wireless/5G</td>
<td>6%</td>
</tr>
<tr>
<td>OLED</td>
<td>5%</td>
</tr>
<tr>
<td>Imaging</td>
<td>4%</td>
</tr>
<tr>
<td>Cloud Computing/High-performance Computing</td>
<td>3%</td>
</tr>
<tr>
<td>Consumer Electronics</td>
<td>3%</td>
</tr>
<tr>
<td>Green Manufacturing/EHS</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>6%</td>
</tr>
</tbody>
</table>
**Key Visiting Companies and Organizations**

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

### ELECTRONICS/SYSTEMS/EMS
- Aisin Seiki
- Apple
- Bandai
- Canon
- Casio
- Cisco
- Clarion
- Denso
- Fanuc
- Fuji Xerox
- Fujikoshi
- Fujitsu General
- Hewlett-Packard
- Hitachi Automotive Systems
- Honda
- Honeywell
- Huawei Technologies
- Ikegami Electronics
- JVC Kenwood
- Konica Minolta
- Maxell
- Mitsubishi Electric
- NEC
- NTT
- NTT DOCOMO
- Nissan Motor
- OMRON Automotive Electronics
- OMRON SOCIAL SOLUTIONS
- Oki Electric Industry
- Olympus
- Panasonic
- Panasonic Factory Solutions
- Pioneer
- Ricoh
- Sega Interactive
- Sega Toys
- Sharp
- Siemens
- Sony
- Swatch
- Takara Tomy
- Yamaha Motor
- Yasukawa Electric

### ELECTRONIC DEVICES
- ALPS Electric
- Asahi Kasei Microdevices
- BOE Technology Group
- Canon
- Citizen Electronics
- Fuji Electric
- Fujikura
- Fujitsu Semiconductor
- Globalfoundries
- Hamamatsu Photonics
- Hewlett-Packard
- Hitachi
- Hitachi Power Semiconductor Device
- IBM
- Infineon Technologies
- Intel
- Japan Display
- Japan Semiconductor
- Keyence
- Kodenshi
- Konica Minolta
- Kyocera
- Kyosemi
- LG
- Lapis Semiconductor
- Melco Semiconductor Engineering
- Micron Memory
- Micron Technology
- Mie Fujitsu Semiconductor
- Minebea Mitsumi
- Mitsubishi Electric Corporation
- Murata Manufacturing
- NTT Electronics
- NXP
- New Japan Radio
- Nichia
- Nidec Copal Electronics
- Nihon Densha Kogyo
- ON Semiconductor
- OmniVision Technologies
- Omron
- Origin Electric
- Panasonic Industrial Devices
- SUNX
- Panasonic Semiconductor Solutions
- Phenitec Semiconductor
- Pioneer Micro Technology
- Pioneer OLED Lighting Devices
- Qorvo
- Renesas Electronics
- Renesas Semiconductor Manufacturing
- Ricoh Electronic Devices
- Rohm
- SII Semiconductor
- SK Hynix
- SMIC
- STMicroelectronics
- Samsung Electro-Mechanics
- Samsung Electronics
- SanDisk
- Sanken Electric
- Sansha Electric Mfg.
- Seiko Epson
- Seiko Instruments
- Seiko NPC
- Sharp
- Shindengen Electric Manufacturing
- Sony LSI Design
- Sony Semiconductor Manufacturing
- Sony Semiconductor Solutions
- Stanley Electric
- Sumitomo Electric Industries
- TDK
- TSMC
- Taiwan Semiconductor
- Taiyo Yuden
- Taiyo Yuden Mobile Technology
- Texas instruments
- Torex Semiconductor
- Toshiba
- Toshiba Memory
- TowerJazz Panasonic Semiconductor
- Toyoda Gosei
- Toyota Motor
- UMC
- Winbond Electronics
- Yokogawa Electric

### FABLESS
- Alchip Technologies
- Axell
- Cosmo Techs
- Dai LSI
- Logic Research
- MegaChips
- Nvidia
- Qualcomm
- Sanei Hytechs
- Skyworks
- Socionext
- THTone Electronics
- VIA Technologies
- Yamaha

### OSAT
- Amkor
- ASE
- AT Semicon
- Powertech Technology
- Aoi Electronics
- Ars
- AKElectronics
- Oita Device Technology
- Katoh Electric
- J Devices Corporation
- Shinko Electric Industries
- Denken Corporation
- Naito Densei Kogyo
- Powertech Technology Akita
- Yamagata Electronic
- Yoshikawa RF Semi
- Renesas Semiconductor Package & Test Solutions