

# SCA/HPCAsia 2026

Everything with HPC - AI, Cloud, QC and Future Society

Date

January 26-29, 2026

Venue

Osaka International Convention Center  
(Osaka, Japan)

## Event Report



## Highlights

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From January 26 to 29, 2026, major international conferences and events in the field of high-performance computing (HPC) were jointly held in Osaka by SupercomputingAsia (SCA) and the International Conference on High Performance Computing in the Asia-Pacific Region (HPC Asia). This marks the first time the two events have been co-hosted in Japan.

SCA, launched in 2018, is an international HPC event jointly organized each year by HPC centers in Singapore, Japan, Australia, and Thailand. It serves as both a premier academic conference featuring presentations of cutting-edge research and a technology showcase where private companies and research institutions exhibit their latest innovations. Meanwhile, HPCAsia is a long-standing international conference on HPC technologies that has been held in the Asia-Pacific region since the 1990s.

This year's joint event attracted more than 2,500 participants from 45 countries and regions, demonstrating strong global interest. The program featured keynote lectures by six distinguished leaders in HPC, AI, and quantum computing (QC), along with a record number of paper submissions, poster presentations, workshops, tutorials, BoF sessions, and invited sessions—surpassing all previous SCA events. In addition, 102 sponsoring companies and research organizations showcased their technologies, contributing to an exceptionally comprehensive and dynamic program.

Several co-located events were also held, including 18th ADAC Symposium and Workshop, HANAMI (Hpc AlliaNce for Applications and superCOmputing Innovation: the Europe-Japan collaboration), TPC (Trillion Parameter Consortium), The 8th R-CCS International Symposium, and ACM Second Asian School on High-Performance Computing and Artificial Intelligence, creating a vibrant and energetic atmosphere throughout the venue.

With these achievements, the conference further solidified its position as a leading HPC event in Asia, standing alongside the United States' SC (The International Conference for High Performance Computing, Networking, Storage, and Analysis) and Europe's ISC (International Supercomputing Conference).

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## 1. Event Outline

<b>Title</b>	<b>SCA/HPCAsia 2026</b>
<b>Theme</b>	<b>Everything with HPC – AI, Cloud, QC and Future Society</b>
<b>Date</b>	January 26-29, 2026
<b>Venue</b>	Osaka International Convention Center (Osaka, Japan)
<b>Conference Format</b>	On-site
<b>Host Organization</b>	SupercomputingAsia (SCA) The International Conference on High Performance Computing in Asia-Pacific Region (HPC Asia)
<b>Co-organizers</b>	<ul style="list-style-type: none"> <li>• RIKEN Center for Computational Science (R-CCS)</li> <li>• Research Organization for Information Science and Technology (RIST)</li> <li>• National Supercomputing Centre (NSCC) Singapore</li> <li>• National Computational Infrastructure (NCI)</li> <li>• Pawsey Supercomputing Research Centre</li> <li>• ThaiSC</li> <li>• Information Processing Society of Japan (IPJS)</li> </ul>
<b>In-Cooperation</b>	<ul style="list-style-type: none"> <li>• Association for Computing Machinery (ACM)</li> <li>• Special Interest Group on High Performance Computing (SIGHPC)</li> </ul>
<b>Supporters</b>	<ul style="list-style-type: none"> <li>• Osaka International Convention Center</li> <li>• OSAKA CONVENTION AND TOURISM BUREAU</li> </ul>
<b>Supported by</b>	<ul style="list-style-type: none"> <li>• Ministry of Education, Culture, Sports, Science and Technology (MEXT)</li> <li>• Ministry of Economy, Trade and Industry (METI)</li> <li>• Digital Agency</li> <li>• Osaka Prefecture</li> <li>• Osaka City</li> <li>• Hyogo Prefecture</li> <li>• Kobe City</li> <li>• Keidanren, Japan Business Federation</li> <li>• KANKEIREN, Kansai Economic Federation</li> <li>• KEIZAI DOYUKAI, Japan Association of Corporate Executives</li> <li>• Kansai Association of Corporate Executives</li> <li>• Kobe Association of Corporate Executives</li> <li>• Osaka Chamber of Commerce and Industry</li> <li>• Kobe Chamber of Commerce and Industry</li> <li>• Japan Electronics and Information Technology Industries Association (JEITA)</li> <li>• Industrial Committee for Supercomputing Promotion (ICSCP)</li> </ul>
<b>Registration</b>	2,633 (including 1,011 from overseas)
<b>Countries and Regions</b>	45 countries and regions
<b>Sponsors</b>	105 (102 companies and organizations)

## 2. Registration Summary

### Total Registration

**2,633**

#### Registration Category

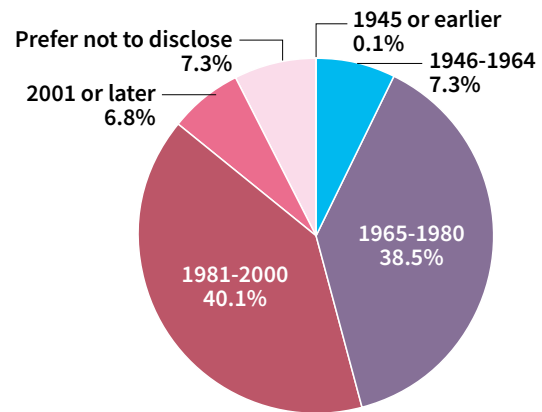
Conference	<b>1,481</b>
Student	<b>254</b>
Exhibition	<b>898</b>

#### Sector

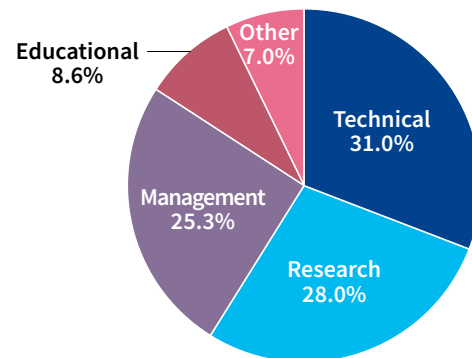
Industry	<b>919</b>
Academic	<b>489</b>
Government Research Laboratory	<b>347</b>
Government	<b>98</b>
Non-Profit	<b>76</b>
Other	<b>92</b>

\*Multiple answers allowed.

### Age Group



### Organizational Role

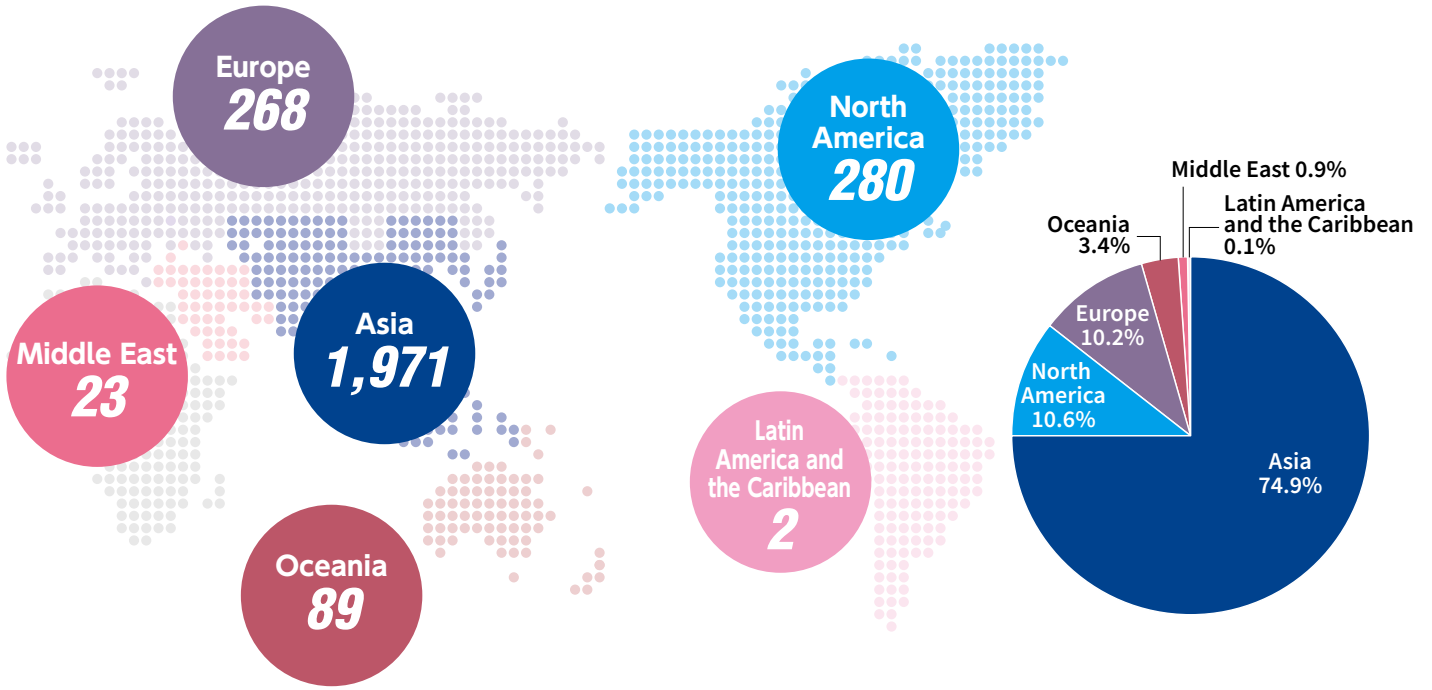


\*Multiple answers allowed.



## 2. Registration Summary

### Countries and Regions



Asia	
Country	Number
Bangladesh	2
Cambodia	1
China	13
Hong Kong	6
India	32
Indonesia	10
Japan	1,622
Malaysia	17
Nepal	1
Philippines	7
Republic of Korea	83
Singapore	87
Taiwan	72
Thailand	15
Viet Nam	3

North America	
Country	Number
Canada	28
United States of America	252

Europe	
Country	Number
Austria	4
Czech Republic	9
Estonia	2
Finland	15
France	34
Germany	63
Ireland	4
Italy	17
Luxembourg	4
Netherlands	6
Norway	16
Poland	6
Portugal	2
Russia	4
Slovenia	1
Spain	24
Sweden	11
Switzerland	17
United Kingdom	29

Oceania	
Country	Number
Australia	78
New Zealand	11

Middle East	
Country	Number
Israel	7
Kuwait	2
Republic of Türkiye	4
Saudi Arabia	2
United Arab Emirates	8

Latin America and the Caribbean	
Country	Number
Brazil	1
Chile	1

**45** countries and regions

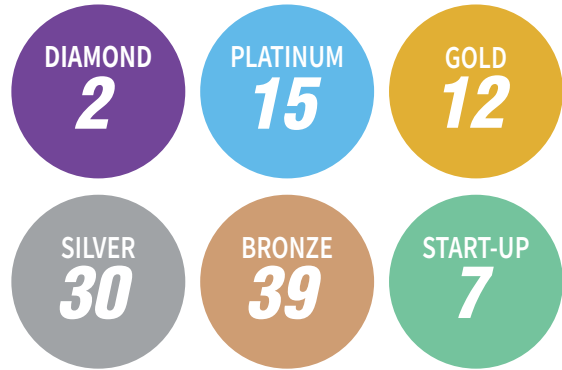
### 3. Sponsorship Summary

## Total Sponsors

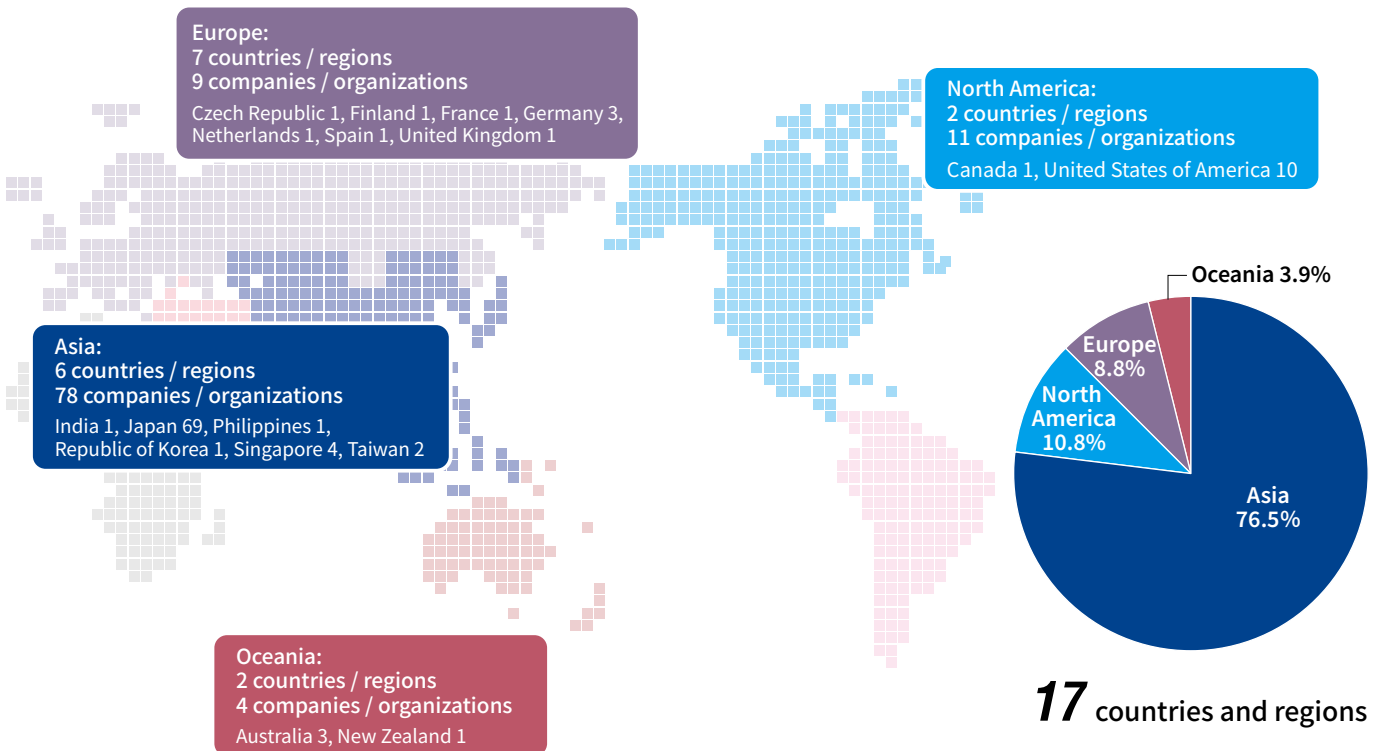
**105** (~~102~~ companies / organizations)

Sector

Industry	<b>77</b>
University / Research Institution	<b>20</b>
Other	<b>5</b>

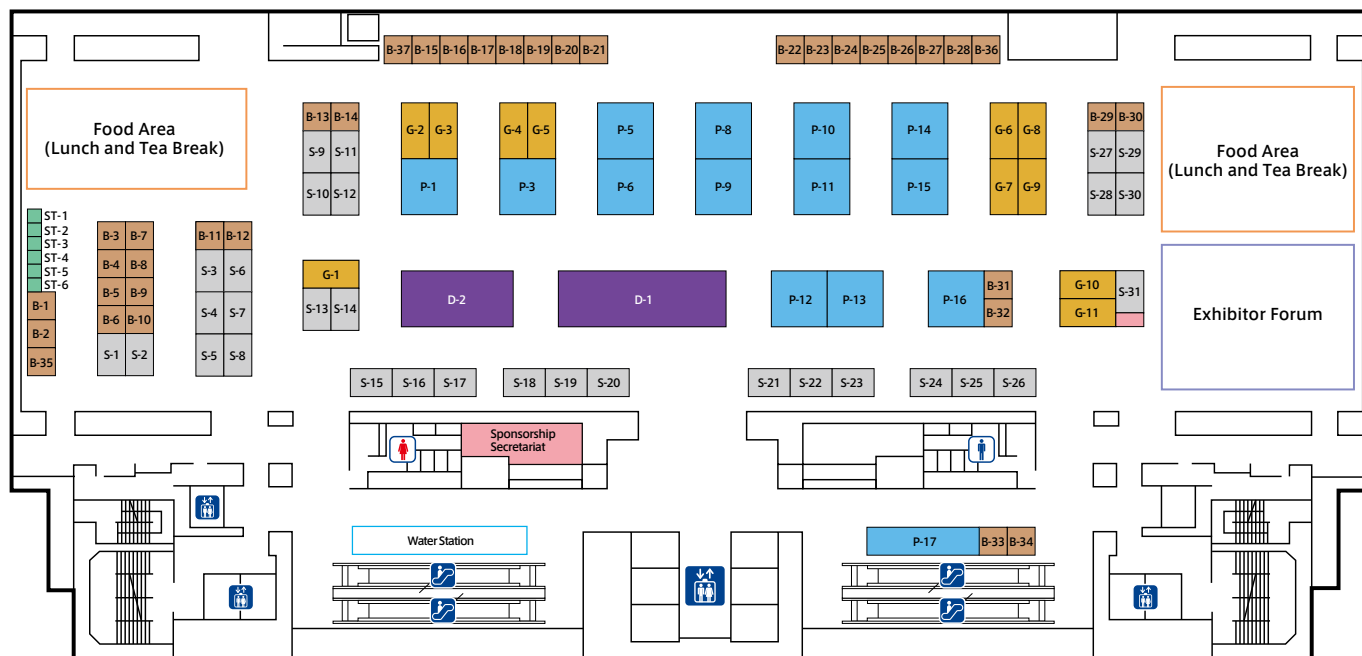


## Countries and Regions



## 3. Sponsorship Summary

### Floorplan and Sponsor List



■ DIAMOND   
 ■ PLATINUM   
 ■ GOLD   
 ■ SILVER   
 ■ BRONZE   
 ■ START-UP   
 ■ SCA/HPCAsia

#### DIAMOND

- D-1 GMO Internet, Inc.
- D-2 Hewlett Packard Enterprise

#### PLATINUM

- P-1 Vertiv
- P-3 Lenovo
- P-5 Mitsubishi Heavy Industries, Ltd.
- P-6 CORE MICRO SYSTEMS INC.
- P-8 Google Cloud Japan G.K.
- P-9 Amazon Web Services
- P-10 Fujitsu Limited
- P-11 IBM Japan, Ltd.
- P-12 DataDirect Networks
- P-13 Quantinuum
- P-14 nVent Japan/Kawamura Electric Inc
- P-15 NEC Corporation
- P-16 NSCC Singapore
- P-17 RIKEN R-CCS
- NVIDIA G.K.

#### GOLD

- G-1 VAST Data
- G-2 NetApp G.K.
- G-3 Super Micro Computer, Inc.
- G-4 IQM Quantum Computers
- G-5 Pure Storage Japan
- G-6 SoftBank Corp. / SB Intuitions Corp. / Arm Limited
- G-7 Giga Computing Co., Ltd.
- G-8 Western Digital Marketing G.K.
- G-9 CSC - IT Center for Science / LUMI Supercomputer
- G-10 WEKA
- G-11 ASUS JAPAN INC.
- S-31 AMD Japan Ltd.

#### SILVER

- S-1 University of Hyogo
- S-2 Okinawa Institute of Science and Technology
- S-3 TOMEN DEVICES CORPORATION
- S-4 Cerebras

- S-5 TOKYO ELECTRON DEVICE LTD.
- S-6 Siemens Digital Industries Software
- S-7 Fixstars Corporation
- S-8 Intel K.K.
- S-9 Linaro
- S-10 ThinkParQ GmbH
- S-11 OpenWebSearch.eu
- S-12 Arista Networks Japan Limited.
- S-13 Prunus Solutions Inc.
- S-14 Sakura Internet Inc.
- S-15 QUDORA Japan KK
- S-16 Qilimanjaro Quantum Tech
- S-17 xFusion Technologies Japan K.K.
- S-18 ScaleWorX, Inc.
- S-19 High Performance Software Foundation
- S-20 XENON Global Technologies
- S-21 JSOL Corporation
- S-22 The Siemon Company
- S-23 Do IT Now
- S-24 QuEra Computing, Inc.
- S-25 QORGA Corporation
- S-26 Slurm
- S-27 National Center for High-performance Computing (NCHC)
- S-28 Advanced Industrial Science and Technology
- S-29 Digital Research Alliance of Canada
- S-30 Research Organization for Information Science and Technology

#### BRONZE

- B-1 PC Cluster Consortium
- B-2 DATALIVE Corporation
- B-3 Kyushu University
- B-4 Center for Computational Sciences, University of Tsukuba
- B-5 JHPCN (Joint Usage/Research Center for Interdisciplinary Large-scale Information Infrastructures)
- B-6 Information Technology Center, The University of Tokyo
- B-7 National Institute of Informatics
- B-8 Tohoku University

- B-9 Hokkaido University Information Initiative Center
- B-10 Institute of Science Tokyo
- B-11 ClusterVision Solutions
- B-12 Pacific Teck Japan
- B-13 Omnibond
- B-14 Arcitacta
- B-15 Hammerspace
- B-16 Calligo Technologies
- B-17 NOX Co., LTD.
- B-18 GDEP ADVANCE, Inc.
- B-19 Hibino Graphics Corporation
- B-20 TATSUTA Electric Wire and Cable Co., Ltd.
- B-21 HPC Solutions, Inc
- B-22 Quantum Innovation Initiative Consortium
- B-23 Oxford Quantum Circuits
- B-24 Supercomputing Japan Incorporated Association
- B-25 SENKO Advance Co., Ltd.
- B-26 Schneider Electric
- B-27 ORACLE CORPORATION JAPAN
- B-28 ENEOS Corporation
- B-29 Leibniz Supercomputing Centre
- B-30 Australia's HPC
- B-31 VSTECs (SINGAPORE) PTE LTD
- B-32 VSTECs (SINGAPORE) PTE LTD
- B-33 RIKEN R-CCS
- B-34 RIKEN R-CCS
- B-35 Visual Technology, Inc.
- B-36 Classiq Technologies
- B-37 VDURA, Inc.
- CosaWell Corporation
- MEGAZONE Corporation

#### START-UP

- ST-1 QunaSys Inc.
- ST-2 Morgenrot Inc.
- ST-3 HPC Gridware
- ST-4 Open OnDemand
- ST-5 Qunova Computing Inc.
- ST-6 X-ScaleSolutions
- PASQAL

## 3. Sponsorship Summary

### Lunch Speaker Session

<b>Tue, Jan 27</b> 12:30 - 13:30	Powering HPC and AI with High-Performance Data Infrastructure DataDirect Networks
	Innovative AI HPC solutions that enable advanced, AI-intensive supercomputing CORE MICRO SYSTEMS INC.
	HPC and Cloud ~challenges and future vision~ Amazon Web Services
	GMO Internet & NVIDIA ~The Challenge of Optimizing Supercomputers for Commercial Services~ GMO Internet, Inc.
	Toward Quantum Advantage: Quantum-Centric Supercomputing Software Architecture and Scientific Applications. / Data-Centric Architecture: Intelligent Data Acceleration and Content Awareness with IBM Storage Scale. IBM Japan, Ltd.
<b>Wed, Jan 28</b> 12:30 - 13:30	Next Vector project based on proven NEC Vector and RISC-V architecture NEC Corporation
	Fluid Management in Technology Cooling Systems, Coolant Distribution Units & the importance of cleanliness in liquid cooled architecture. nVent Japan / Kawamura Electric Inc
	Accelerating AI-driven scientific discovery with supercomputing Hewlett Packard Enterprise
	Powering the Next Generation of AI Factories Vertiv
	HPC-Quantum Hybrid Computing Quantinuum
Advanced Cooling and Power Solutions for Overcoming HPC Barriers Mitsubishi Heavy Industries, Ltd.	
<b>Thu, Jan 29</b> 12:30 - 13:30	Surviving RAMageddon: From Bottlenecks to Breakthroughs Lenovo / NVIDIA
	Accelerating Research and Discovery with Google Cloud GPUs: Featuring SyntheticGestalt's AI Workloads Google Cloud Japan G.K.

## 3. Sponsorship Summary

### Exhibitor Forum



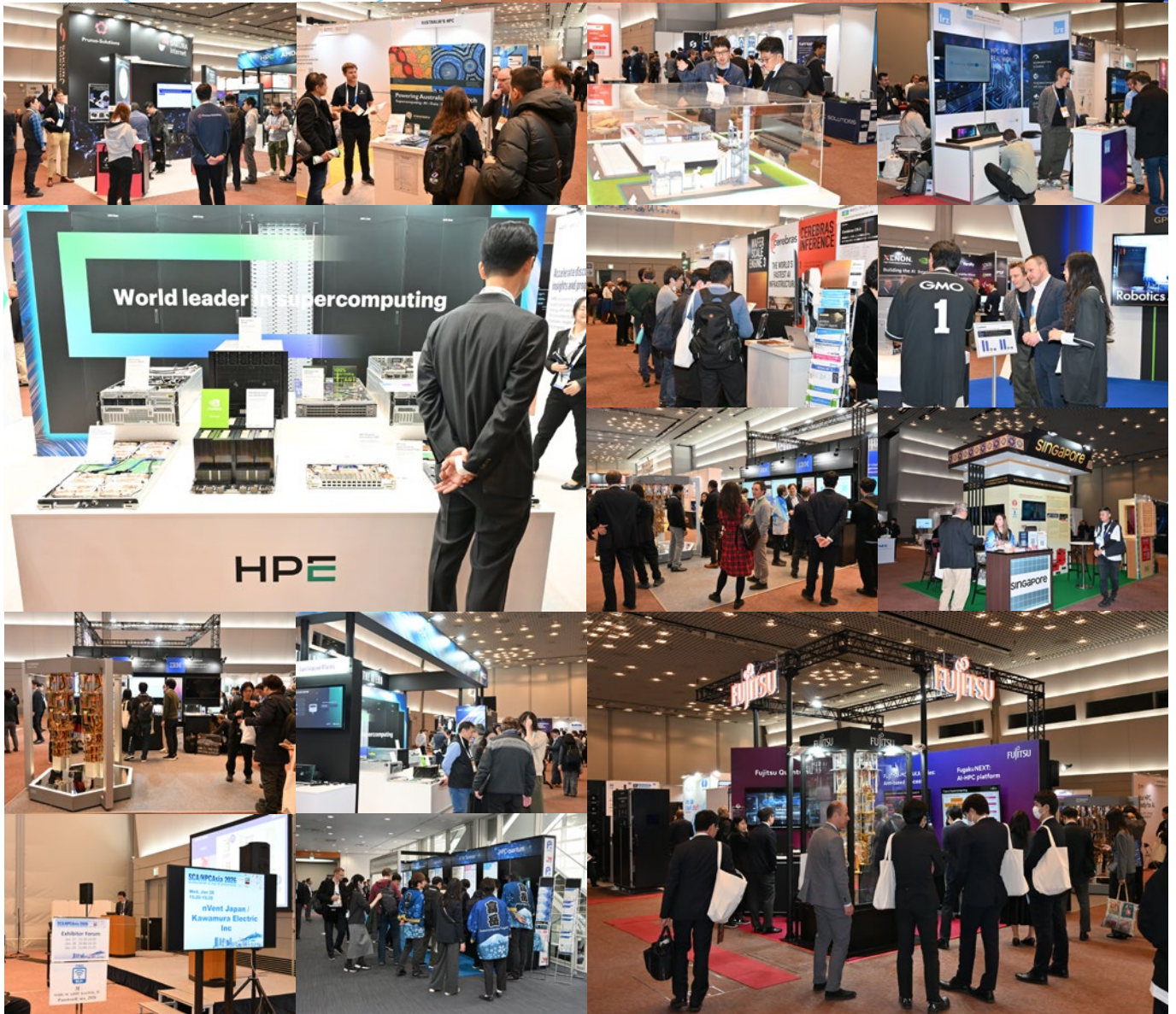
Tue, Jan 27	1	11:20-11:35	GMO Internet, Inc.	7	13:20-13:35	IQM Quantum Computers	13	15:20-15:35	SoftBank Corp. / SB Intuitions Corp. / Arm Limited
	2	11:40-11:55	NVIDIA G.K.	8	13:40-13:55	Super Micro Computer, Inc.	14	15:40-15:55	XENON Global Technologies
	3	12:00-12:15	NSSC Singapore	9	14:00-14:15	Giga Computing Co., Ltd.	15	16:00-16:15	Slurm
	4	12:20-12:35	Hewlett Packard Enterprise	10	14:20-14:35	Western Digital Marketing G.K.	16	16:20-16:35	QUDORA Japan KK
	5	12:40-12:55	Hewlett Packard Enterprise	11	14:40-14:55	NetApp G.K.	17	16:40-16:55	QuEra Computing, Inc.
	6	13:00-13:15	Pure Storage Japan	12	15:00-15:15	IBM Japan, Ltd.			

Wed, Jan 28	1	10:40-10:55	WEKA	8	13:00-13:15	The Siemon Company	15	15:20-15:35	nVent Japan / Kawamura Electric Inc
	2	11:00-11:15	Vertiv	9	13:20-13:35	Do IT Now	16	15:40-15:55	Fixstars Corporation
	3	11:20-11:35	NEC Corporation	10	13:40-13:55	xFusion Technologies Japan K.K.	17	16:00-16:15	Okinawa Institute of Science and Technology
	4	11:40-11:55	DataDirect Networks	11	14:00-14:15	Digital Research Alliance of Canada	18	16:20-16:35	High Performance Software Foundation
	5	12:00-12:15	Amazon Web Services	12	14:20-14:35	TOKYO ELECTRON DEVICE LTD.	19	16:40-16:55	ThinkParQ GmbH
	6	12:20-12:35	VAST Data	13	14:40-14:55	OpenWebSearch.eu			
	7	12:40-12:55	CSC-IT Center for Science / LUMI Supercomputer	14	15:00-15:15	Quantinuum			

Thu, Jan 29	1	11:00-11:15	ASUS JAPAN INC.	6	12:40-12:55	Research Organization for Information Science and Technology	10	14:00-14:15	Siemens Digital Industries Software
	2	11:20-11:35	Lenovo	7	13:00-13:15	Intel K.K.	11	14:20-14:35	Qilimanjaro Quantum Tech
	3	11:40-11:55	CORE MICRO SYSTEMS INC.	8	13:20-13:35	Linaro	12	14:40-14:55	Cerebras
	4	12:00-12:15	Sakura Internet Inc.	9	13:40-13:55	Arista Networks Japan Limited.	13	15:00-15:10	Fujitsu Limited
	5	12:20-12:35	QORGA Corporation				14	15:15-15:25	Google Cloud Japan G.K.

## 3. Sponsorship Summary

### Exhibition Photos



## 4. Program

### Program at a Glance

	Morning			Lunch	Afternoon			Evening	
Mon, Jan 26	Workshops	Morning Tea Break	Workshops	Lunch	Workshops	Afternoon Tea Break	Workshops	Reception (Invitation Only)	
	Tutorials		Tutorials		Tutorials		Tutorials		
Tue, Jan 27	Opening Session	Keynote Speeches	Morning Tea Break	Research Sessions	Lunch Speaker Sessions (Meeting Rooms)	Afternoon Tea Break	Research Sessions	Birds of a Feather	Banquet
				Invited Sessions	Lunch (Event Hall)		Invited Sessions		
	Exhibition								
Wed, Jan 28	Keynote Speeches	Morning Tea Break	Research Sessions	Lunch Speaker Sessions (Meeting Rooms)	Research Sessions	Afternoon Tea Break	Research Sessions	Birds of a Feather	
				Invited Sessions			Lunch (Event Hall)		
	Exhibition								
Thu, Jan 29	Keynote Speeches	Closing Session	Morning Tea Break	Birds of a Feather	Lunch Speaker Sessions (Meeting Rooms)	Afternoon Tea Break	Workshops		
					Invited Sessions		Tutorials		
	Exhibition								

### Keynote Speech

Tue, Jan 27	<b>9:30 - 10:15</b>	<b>Ultra Ethernet for next-generation AI and HPC workloads</b>	 <b>Speaker</b> <b>Torsten Hoefler</b> Professor ETH Zurich, Switzerland	Tue, Jan 27	<b>10:15 - 11:00</b>	<b>Toward High Performance Quantum Computing: From NISQ to FTQC</b>	 <b>Speaker</b> <b>Keisuke Fujii</b> Distinguished Professor The University of Osaka, Japan
Wed, Jan 28	<b>9:00 - 9:45</b>	<b>AI as a Scientist</b>	 <b>Speaker</b> <b>Hiroaki Kitano</b> President & CEO, Sony Computer Science Laboratories (Sony CSL), Japan Professor, Okinawa Institute of Science and Technology (OIST), Japan	Wed, Jan 28	<b>9:45 - 10:30</b>	<b>Quo Vadis Computer Architecture: Back to the Future</b>	 <b>Speaker</b> <b>Mateo Valero</b> Director/Professor Barcelona Supercomputing Center, Spain
Thu, Jan 29	<b>9:00 - 9:45</b>	<b>The Future of HPC in the AI Era</b>	 <b>Speaker</b> <b>Katherine Yelick</b> Robert S. Pepper Distinguished Professor of Electrical Engineering and Computer Sciences and Vice Chancellor for Research, UC Berkeley, USA Senior Faculty Scientist, Lawrence Berkeley National Laboratory, USA	Thu, Jan 29	<b>9:45 - 10:30</b>	<b>Accelerating scientific discovery with quantum-centric supercomputing</b>	 <b>Speaker</b> <b>Jay M. Gambetta</b> Director of Research and IBM Fellow IBM, USA

## 4. Program

### Session Statistics

Session Type	Accepted Submissions	Sessions	Speakers*
Keynote Speech	—	<b>6</b>	<b>6</b>
Paper Session	<b>36</b>	<b>14</b>	<b>75</b>
Workshop	<b>27</b>	<b>25</b>	<b>142</b>
Tutorial	<b>22</b>	<b>20</b>	<b>51</b>
Poster Session	<b>154</b>	<b>1</b>	<b>198</b>
Birds of a Feather (BoF)	<b>29</b>	<b>27</b>	<b>86</b>
Invited Session	<b>23</b>	<b>25</b>	<b>122</b>

\*Number of Speakers: Based on self-reported information at registration



## 4. Program

### Awards

#### Best Paper Award

### “A Matrix-Free Algebraic hp-Multigrid Method for Computational Fluid Dynamics Applications”

Peter Ohm (RIKEN)  
Graham Harper (Sandia National Laboratories)  
Niclas Jansson (KTH Royal Institute Technology)



#### Best Poster Award

### “Investigation of GPU Programming Paradigms with regard to Code Complexity and Performance Portability”

Jonas Schuhmacher (Technical University of Munich)  
Hans-Joachim Bungartz (Technical University of Munich)



#### Best Student Poster Award ①

### “Architectural Challenges in Accelerating Sparse Matrix Multiplication with CGRAs for AI”

Lin Teng (The University of Electro-Communications, RIKEN Center for Computational Science)  
Chenlin Shi (RIKEN Center for Computational Science, The University of Electro-Communications)  
Boma Adhi (RIKEN Center for Computational Science)  
Yanchen Li (RIKEN Center for Computational Science)  
Kentaro Sano (RIKEN Center for Computational Science)



#### Best Student Poster Award ②

### “Empowering Ozaki Scheme with Hopper Architecture”

Tao Wang (The University of Tokyo)  
Takashi Shimokawabe (The University of Tokyo)



#### Outstanding Student Poster Award

### “Towards Acceleration of Sparse Matrix-Vector Multiplication on the Cerebras CS-2”

Saho Orihara (Meiji University)  
Kouki Sakai (Meiji University)  
Takaaki Miyajima (Meiji University)



## 4. Program

### Co-located Events

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#### ADAC18 Symposium January 29 (Thu)

<https://adac.ornl.gov/18th-adac-symposium-workshop-january-29-february-2-4-2026/>

#### HANAMI (EU-Japan Alliance in HPC) January 27 (Tue)

<https://hanami-project.com/2025/07/10/sca-hpcasia-2026/>

#### The 8th R-CCS International Symposium January 28 (Wed)

<https://www.r-ccs.riken.jp/R-CCS-Symposium/2026/>

#### Trillion Parameter Consortium (TPC) January 27 (Tue)-28 (Wed)

<https://tpc.dev/tpc-track-at-sca-hpca26/>

#### ACM Second Asian School on HPC and AI January 30 (Fri) - February 3 (Tue)

<https://europe.acm.org/seasonal-schools/asean/2026>

### Excursion

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- Date: Friday, January 30, 2026
- Location: RIKEN Center for Computational Science, Kobe
- Registration: Pre-registration required (Free of charge)



Supercomputer Fugaku



ibm\_kobe

As a unique opportunity to experience for participants to directly observe one of the world's leading high-performance computing facilities, a guided tour of the RIKEN Center for Computational Science (R-CCS) was organized. The tour included the visits to operational areas, including the supercomputer Fugaku and ibm\_kobe, IBM Quantum System Two installed at RIKEN. In addition, researchers and staff from R-CCS, Fujitsu, and IBM presented the latest initiatives and projects in computational science and innovation. This excursion was supported by Fujitsu and IBM and was attended by 81 participants.

## 5. Publicity and Media

### Press Registration

Category	Registrations	Attendees
Online Media	<b>2</b> (Including 1 from overseas)	<b>1</b>
Publishing / Online Media	<b>2</b>	<b>1</b>
Publishing	<b>1</b> (Including 1 from overseas)	<b>0</b>
Newspaper	<b>5</b> (Including 1 from overseas)	<b>3</b>
Freelance / Other	<b>1</b>	<b>0</b>
Online Media / Freelance / Other	<b>1</b>	<b>1</b>
Broadcast Media / Online Media	<b>1</b>	<b>1</b>

### Media Coverage

Pre-Event	<a href="#">SCA/HPCAsia 2026 — Cutting-edge HPC, AI, and Quantum Tech All in One Place</a> (ELITE Network: phd-guide.jp)
	<a href="#">Held in Japan for the first time in January 2026! Exploring "SCA/HPCAsia 2026," an international event on supercomputers and HPC</a> (Mynavi News TECH+)
Post-Event	<a href="#">Japan to Cooperate on U.S. Scientific AI Development Mission; Accelerating Research in Quantum, Nuclear Fusion, and More</a> (Nikkei: January 27 Web Edition, January 28 Morning Edition)
	<a href="#">SCA/HPCAsia 2026 ~Everything with HPC - AI, Cloud, QC and Future Society~ Report on SCA/HPCAsia 2026</a> (ELITE Network: phd-guide.jp)

\*All articles are in Japanese.

### Promotional Content

Website



Promotional Video



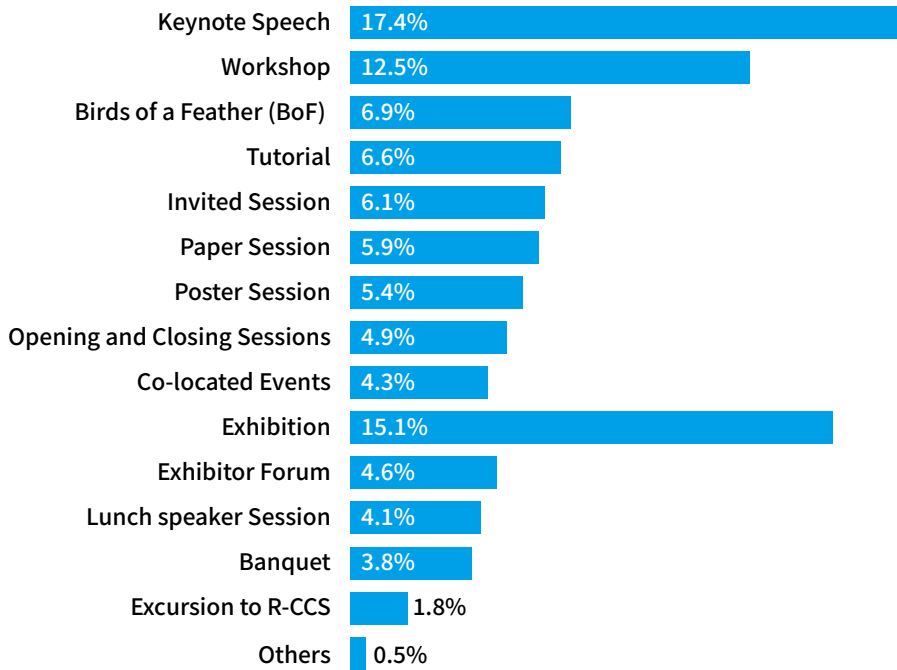
Conference Highlight Video



## 6. Survey Results

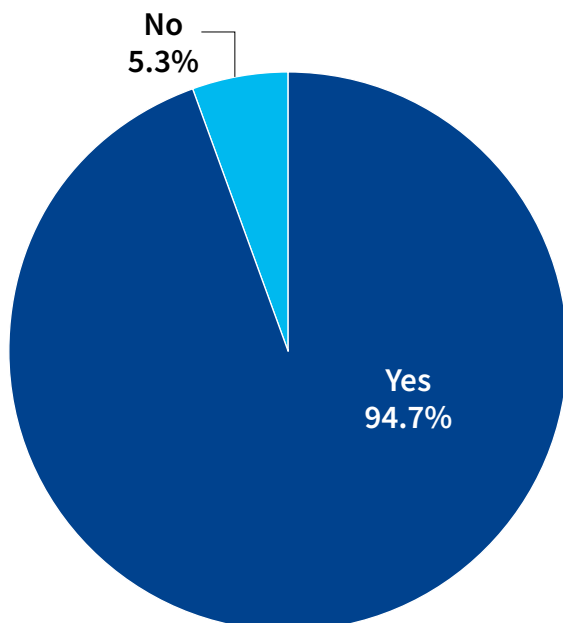
### Attendee Feedback

**Q** What sessions / programs did you find most valuable?

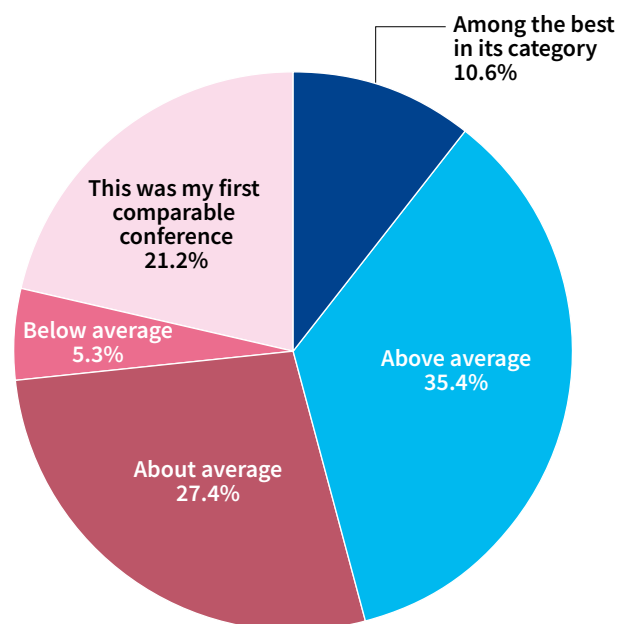


\*Multiple answers allowed.

**Q** Would you attend SCA and HPC Asia again?



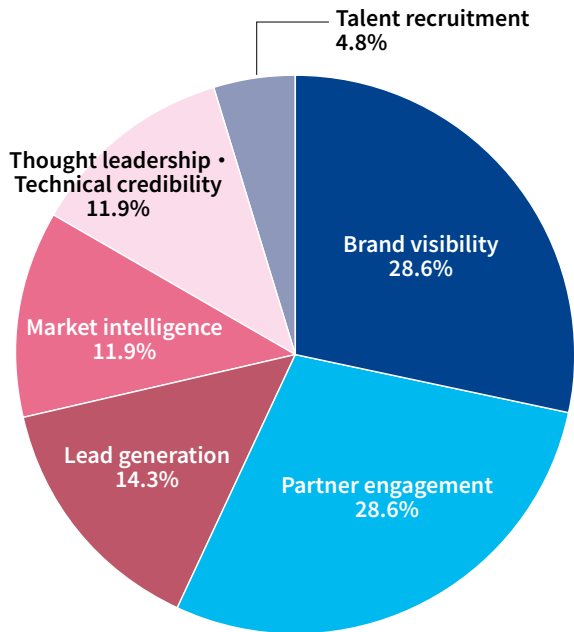
**Q** Compared to similar conferences you have attended, SCA/HPCAsia 2026 ranks as ?



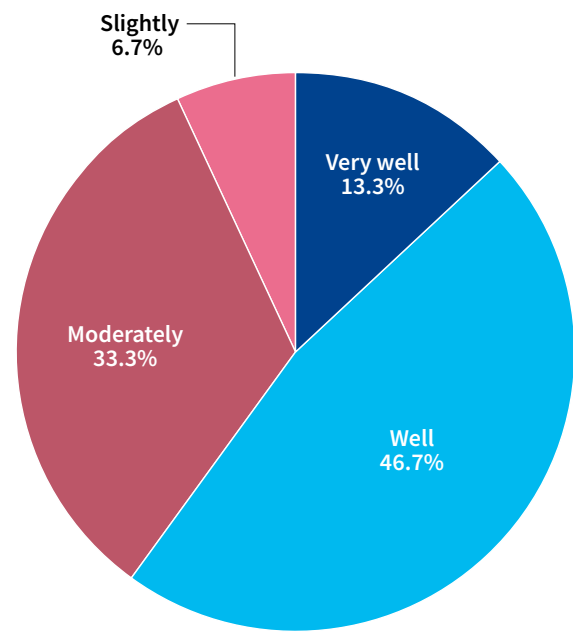
## 6. Survey Results

### Exhibitor / Sponsor Feedback

**Q** What were your primary objectives for participating as an exhibitor / sponsor?

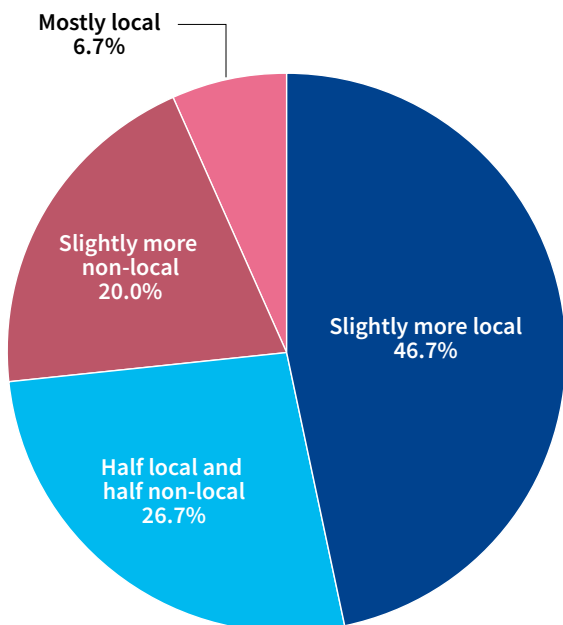


**Q** To what extent did your participation support your primary objectives?



\*Multiple answers allowed.

**Q** What is the demographic profile of your booth visitors?



**Q** How likely are you to participate in this conference again?

