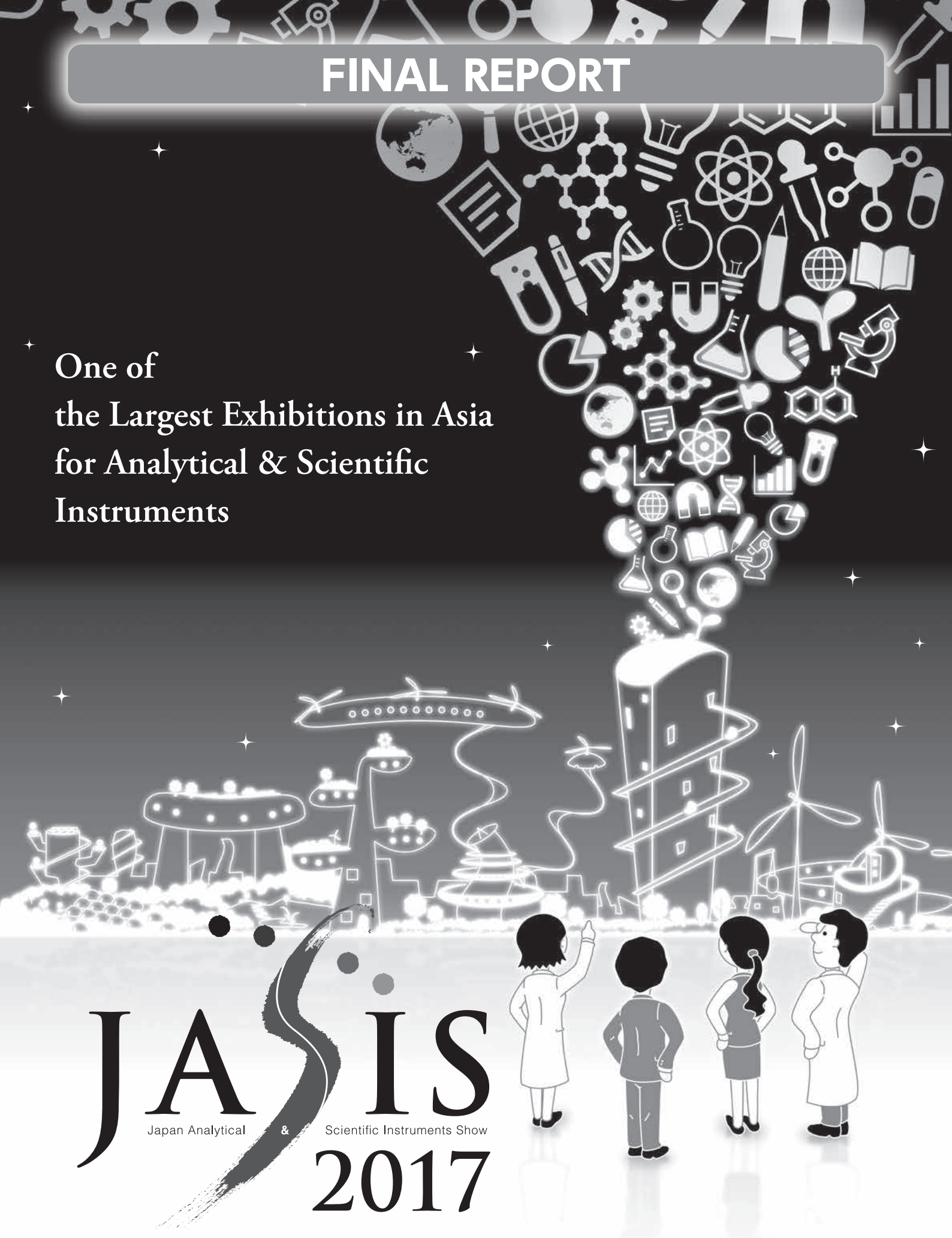
FINAL REPORT

One of
the Largest Exhibitions in Asia
for Analytical & Scientific
Instruments



JASIS
Japan Analytical & Scientific Instruments Show
2017

Japan Analytical Instruments Manufacturers' Association (JAIMA)
Japan Scientific Instruments Association (JSIA)

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1. Guide to JASIS 2017

1. Title	JASIS 2017
2. Organizers	Japan Analytical Instruments Manufacturers' Association (JAIMA) Japan Scientific Instruments Association (JSIA)
3. Slogan	Discover the Future.
4. Dates	Exhibition: September 6 - 8 (3 days, Wed. - Fri.) Conference: September 5 - 8 (4 days, Tue. - Fri.)
5. Hours	10:00 - 17:00
6. Exhibit firms and booths	Total: 506 companies・organizations / 1,478 booth units
7. Number of visitors	Total: 24,856 visitors (Day Before Day 1: 194 visitors) (Day 1: 8,219 visitors) (Day 2: 8,291 visitors) (Day 3: 8,152 visitors)
8. Venue	Makuhari Messe, International Exhibition Halls Nos. 4 ~ 8 Makuhari Messe, International Conference Hall APA Hotel & Resort Tokyo Bay Makuhari Hotel New Otani Makuhari
9. Sponsors:	Ministry of Economy, Trade and Industry / Ministry of Education, Culture, Sports, Science and Technology / Ministry of Agriculture, Forestry and Fisheries / Ministry of the Environment / Japan Science and Technology Agency / National Institute of Advanced Industrial Science and Technology (AIST) / National Insutitute of Technology and Evaluation / RIKEN / Japan External Trade Organization(JETRO) / U.S. Commercial Service / UK in Japan / The Society of Instrument and Control Engineers / The Society of Polymer Science / The Japan Petroleum Institute / Japan Science Foundation / Japan Society for Environmental Chemistry / The Japan Society of Mechanical Engineers / Japan Machinery Center for Trade and Investment / The Meteorological Society of Japan / The Japan Institute of Metals / The Society for Biotechnology, Japan / The Ceramic Society of Japan / Japan Society for Bioscience, Biotechnology,and Agrochemistry / The Japan society for the advancement of inventions / The Pharmaceutical Society of Japan / Japan Institute for Promoting Invention and Innovation / Japanese society of medical instrumentation / Spectroscopical Society of Japan / The Japan Society for Analytical Chemistry / the Tokyo Chamber of Commerce and Industry / Japan Multiplex bio-Analysis Consortium
10. Supported by	Japan Society of Next Generation Sensor Technology / Japan Association of Medical Equipment Industries / Japan Environmental Technology Association / Japan Measuring Instruments Federation / Japan Inspection Instruments Manufacturers' Association / Japan Microscope Manufacturer's Association / Japan Optical Industry Association / Japan Optical Measuring Instruments Manufacturers' Association / Japan Testing Machinery Association / Japan Reagent Association / Japan Vacuum Industry Association / Japan Electric Measuring Instruments Manufacturers' Association / The Japanese Society for Non-Destructive Inspection / The Japanese Association for Non-Destructive Testing Industry / The Association of Powder Process Industry and Engineering, JAPAN / Japan Pharmaceutical Equipment & Machinery Association / Japan Bioindustry Association

11. Exhibit Instruments

1. Analytical Instruments & Systems
2. Analytical Instruments Accessories
3. Scientific Instruments
4. Laboratory Instruments, Tools & Consumables
5. Environmental & Industrial Instruments
6. Bio related Instruments
7. Testing Devices & Apparatus
8. Production related Instruments
   (Electronic Devices & Energy related Instruments)
9. Software & Other related Services

12. Exhibition Hall

- Life Science Innovation Zone : 66 companies, 87 booth units
- Open Solutions Forum: 6 Keynote Lectures and 19 Exhibitor Presentations
- JST Booth: 16 booth units
- AIST Booth: 10 booth units
- mini/Solution Area: 31 companies, 40 booth units
- Research Organization Area: 8 companies/organizations, 10 booth units
- Academic Association Area: 7 organizations, 9 booth units
- International Organization Area: 15 companies/organizations, 15 booth units
- Media & Press Area: 12 companies, 13 booth units
- Science Experimental Show / Introduction to Scientific Instruments / Educational DVD Corner

13. New Technology Presentations

Date: Sep. 6 (Wed.) - 8 (Fri.) 10:00 ~ 17:00
Venue: APA Hotel & Resort Makuhari & Hotel New Otani Makuhari
Number of companies / sessions: 101 companies / 347 sessions
Number of visitors: 16,001

14. Conferences

Date: Sep. 5 (Tue.) - 8 (Fri.)
Venue: International Conference Hall, Makuhari Messe
Number of groups / meetings : 28groups / 50 sessions
Number of audience: 4,507

15. Science Seminar "Einstein's Cosmic Melody - Challenges of KAGRA & Unveiling Mysteries of Universe with Gravitational Wave Astronomy"

Date: Sep. 8 (Fri.), 13:00 - 14:30
Place: Convention Hall A, International Conference Hall
Number of audience: 285

16. Featured Seminar "Analytical and Scientific Instruments and Japanese Pharmacopoeia"

Date: Sep. 7 (Thu.), 14:00 - 16:00
Place: Convention Hall A, International Conference Hall
Number of audience: 483

2. Outline of JASIS 2017

1. Largest Numbers of Visitors, Exhibitors and Booths Ever

To become internationally competitive in the fields of analytical and scientific instruments as one of the largest exhibitions in Asia, the JAIMA EXPO and the Scientific Instruments Show (SIS) has been jointly held since 2010 as JAIMA EXPO/SIS. In 2012, it was renamed "JASIS" (Japan Analytical & Scientific Instruments Show), resulting in a single exhibition both in name and reality. At JASIS 2017, 506 companies exhibited their products at 1,478 booths, reaching a record high number of both exhibitors and booths. The number of visitors was 24,856, an increase of about 500 over the previous year, and also a record high. That record had been unbroken since 2010. (See pages 5 to 7 for details.)

This exhibition has a history of over 50 years dating back to when the JAIMA EXPO and the Scientific Instruments Show were held separately, and has grown year by year. With about 500 presentations, including the New Technology Seminar, as well as oral sessions such as JASIS Conference seminars and lectures, JASIS is one of the largest exhibitions in Asia for analytical and scientific instruments, and it is no exaggeration to say that it is one of the largest exhibitions in the world.

2. Consistently Evolving JASIS

JASIS is fascinating not only because of its size, but also because of its effort to try new things and adopt new ideas. In addition to the regular events and exhibitions detailed in the respective sections, the following five new approaches were incorporated in 2017.

① **JASIS WebExpo 2017**

The presentation materials, videos and PDF documents prepared by the exhibitors were open to the public for a limited time. Compared with the visitors to JASIS held in Makuhari, there was a high percentage of website visitors from outside the Kanto region. People living in remote regions could experience some excellent JASIS contents on the website.

In the future, exhibitors will be able to show their products at the JASIS WebExpo, as the name implies, and interact with potential customers that cannot access Makuhari. (See page 62 for details.)

② **AI-Based Matching System (for Visitors and Exhibitors)**

Digital Concierge is a retrieval system that helps visitors easily find information they want and facilitates matching between exhibitors and visitors. Thanks to assistance from the technology matching website TEC-PAL, we developed this AI-based matching system to generate appropriate responses to visitor inquiries. At the initial operation, the system was exclusively installed in the Life Science Innovation Zone in JASIS 2017. We will make further refinements to the system so it can be used on a broader basis.

③ **"Live Comment" System**

We used the "live comment" system during lectures/panel discussions so the audience could post comments by using their smartphones in real time. The system allowed for the incorporation of opinions from the audience, contributed to activation of the discussions, and was favorably received.

④ **Visitor QR Code Reader App for Exhibitors**

We provided the exhibitors with a QR code reader app to acquire visitor information. This was designed to facilitate lead follow-up activities of the exhibitors.

As the app is used on an iPhone, it is more portable than the conventional QR code-based service of the same type. It was therefore well received by the exhibitors because they could use it readily on their phones. We also provided the conventional NW7 code-based service of the same type to enhance convenience for the exhibitors.

⑤ Holding of JASIS Kansai 2019 and Press Conference

Looking toward holding "JASIS Kansai" in February 2019, we decided to start inviting exhibitors in January 2018 in the same manner as JASIS 2018. JASIS Kansai will have more exhibition space and its contents will be enhanced compared to the JASIS Kansai New Technology Seminar in 2014, which is why we renamed it to JASIS Kansai. The goal of JASIS is to create a new, effective place for exhibitors to engage in PR activities targeting Western Japan.

By combining new initiatives and conventional events, we successfully held the 6th installment of JASIS.

3. Scale of Exhibition

JASIS 2017 hosted 506 companies and organizations in 1,478 booths, which is the best record exhibitors of the JASIS history

In the 1,478 booths, 1,304 were general 3m x 3m size booths for exhibiting their own products, accounting for 88.2%. The rest 11.8%, or 174 booths, were used for the Life Science Innovation Zone, mini/Solution Area, the Research Organizations Area, the Academic Association Area, and others.

In the total 506 companies and organizations, sponsor (JAIMA or JSIA) member corporations comprised 251 companies for 49.6%, while non-member exhibitors comprised a total of 255 companies for 50.4%, signaling a wide open door for non-member exhibitors.

The number of overseas exhibitors is amounting to 41 companies and 44 booths from 13 countries. (2016: 34 companies, 37 booths, 8 countries.)

Exhibitors classified by member company or not

	Number of booths				Number of companies/organizations			
	JASIS 2017	2017/2016	JASIS 2016	JASIS 2015	JASIS 2017	2017/2016	JASIS 2016	JASIS 2015
JAIMA/JSIA member	1,110	101.5%	1,094	1,099	251	99.2%	253	238
Not member (Japan)	132	90.4%	146	151	84	93.3%	90	100
Not member (Overseas)	26	144.4%	18	25	23	153.3%	15	19
JST・AIST	36	102.9%	35	21	9	112.5%	8	2
Mini/Solution Area	40	117.6%	34	47	31	110.7%	28	36
Advanced Diagnostics Innovation Zone	87	98.9%	88	69	66	100.0%	66	53
Sub total	1,431	101.1%	1,415	1,412	464	100.9%	460	448
Other Areas	47	88.7%	53	61	42	95.5%	44	50
Total	1,478	100.7%	1,468	1,473	506	100.4%	504	498

Exhibitors classified by overseas

	Number of companies・organizations / countries		
	JASIS 2017	JASIS 2016	JASIS 2015
General booth	23 companies 26 booths / 9 countries	15 companies 18 booths / 6 countries	19 companies 25 booths / 9 countries
mini/Solution Area	1 companies 1 booths / 1 countries	2 companies 2 booths / 2 countries	2 companies 2 booths / 2 countries
Advanced Diagnostics Innovation Zone	-	-	1 company 1 booth / 1 country
International Organization Area	15 companies・organizations 15 booths / 7 countries	15 companies・organizations 15 booths / 8 countries	11 companies・organizations 11 booths / 4 countries
Media & Press Area	2 companies 2 booths / 2 countries	2 company 2 booth / 2 countries	2 company 2 booth / 2 countries
Total	41 companies・organizations 44 booths / 13 countries	34 companies・organizations 37booths / 8 countries	35 companies・organizations 41booths / 11 countries

4. Number of Visitors

1. Visitor number of JASIS each day

	JASIS 2017	JASIS 2016	JASIS 2015
Day before Day 1	194	798	-
Sep.6 (Wed.) (Day 1)	8,219	8,228	7,859
Sep.7 (Thu.) (Day 2)	8,291	7,136	7,410
Sep.8 (Fri.) (Day 3)	8,152	8,519	8,139
Total	24,856	24,381	23,408

The duplication count by registration ID was eliminated completely and counted assuring “one visitor/one time count”. In addition, the exhibitor name tags were counted separately, and were not included in the visitor count.

New system for registration ID count was applied in JASIS 2017.

The counting with and without duplication of ID was successfully completed.

The number of visitors including duplication count of registration ID for each day was:

	JASIS 2017	JASIS 2016
Day before Day 1	194	498
Sep.6 (Wed.) (Day 1)	8,347	8,560
Sep.7 (Thu.) (Day 2)	10,171	9,071
Sep.8 (Fri.) (Day 3)	10,680	11,247
Total	29,392	29,376

2. Destination of visitors

The destination of visitors could be investigated and analyzed by the new counting system.

Around 90% of visitors who attend "New technology presentation" and "JASIS conference" also visit the exhibition halls.

It shows that coming and going of almost all visitors between exhibition halls and other area had been achieved.

6. Opening Ceremony, the Celebration Party

The opening ceremony was held at the exhibition hall, Makuhari Messe at 9:40 a.m. on September 7 with approximately 200 people attended, and after the ceremony, guided site tour was conducted. The celebration party was held at "TSURU" Hall , Hotel New Otani Makuhari at 5:30 p.m. on September 7 with approximately 600 people attended.

< The Opening Ceremony >

【 Opening Address 】

Gon-emon Kurihara	President, Japan Analytical Instruments Manufacturers' Association
Hideto Yazawa	President, Japan Scientific Instruments Association

【 Guest Speech 】

Shigeaki Tanaka	Ministry of Economy, Trade and Industry

【 Tape Cut 】

Shigeaki Tanaka	Ministry of Economy, Trade and Industry
Masanori Shinano	Ministry of Education, Culture, Sports, Science and Technology
Hideko Kanazawa	President, The Japan Society for Analytical Chemistry
Brittany Banta	Commercial Attaché, Commercial Service, U.S. Embassy, Tokyo
Gon-emon Kurihara	President, Japan Analytical Instruments Manufacturers' Association
Hideto Yazawa	President, Japan Scientific Instruments Association

< The Celebration Party >

【 Opening Address 】	**Gon-emon Kurihara** President, Japan Analytical Instruments Manufacturers' Association
【 Kanpai 】	**Hideto Yazawa** President, Japan Scientific Instruments Association
【 Attraction 】	
【 Closing remarks 】	**Akira Nakamoto** Vice President, Japan Analytical Instruments Manufacturers' Association

7. International Exchange Activities

Forty-one overseas companies and organizations participated in JASIS 2017, exhibiting their products at 44 booths. Those numbers were larger than in 2016 (34 companies and 37 booths). Among 702 overseas visitors from 35 countries and regions (475 visitors in 2016), visitors from Asian countries included 223 from South Korea, 157 from China, 142 from Taiwan, 18 from Thailand, 13 from India, 11 from Hong Kong, 10 from Singapore and 7 from Vietnam. As described in Items 1 to 9 below, the international exchange activities were conducted at JASIS targeting overseas exhibitors, friendly organizations, speakers and visitors.

1. Guided Tour and Welcome Party for Delegations to JASIS from JAIMA Overseas Friendly Organizations and International Conference Session Presenters: 13:30–20:00 on Tuesday, Sept. 5

Fifteen VINALAB delegation members from Vietnam and international conference presenters participated in the tour and enjoyed visiting the Sumida Hokusai Museum and other places. After the tour, a welcome party took place, which 50 people attended, including the tour members and other people from the United States, Germany, China, Taiwan, Singapore, India, Thailand and other countries and regions. We presented a commemorative shield at the party to Dr. Nguyen Huu Thien, the president of VINALAB, for his long-term contribution to and friendship with JAIMA. Delegations to JASIS from JAIMA overseas friendly organizations included the Pittcon Committee (U.S.), VINALAB (Vietnam industry association), Instrument.com.cn (China), the CISILE organizer (China), KSIIC (South Korean industry association), TISTR (Thailand), and UBM India.

2. Lunch Meeting for International Conference Presenters: 12:00–13:00

It was intended for overseas presenters to interact with each other, exchange information and confer with simultaneous interpreters in advance. The 30 attendees included presenters at the International Symposium on Analytical Chemistry, the Asia Technical Forum, etc.

3. Reception for Overseas Presenters and Friendly Organizations: 18:00–20:00 on Thursday, Sept. 7

Mr. Kurihara, JAIMA president, hosted the reception, where 45 attendees, including ICS overseas presenters, Pittcon, CISILE (China), Instrument.com.cn (China), TISTR (Thailand) and other overseas organizations, strengthened mutual exchange.

4. Briefing Session for Overseas Exhibitors: 12:00–13:00 on Friday, Sept. 8

We held a lunch briefing session for overseas exhibitors, embassies, state government officials, overseas exhibition organizers, etc., where we interacted with 45 attendees. We presented new initiatives for JASIS 2017, the numbers of exhibitors, booths and visitors for the first two days, and introduced the new three-year project starting this year, "JASIS WebExpo," as one of the appropriate tools for overseas exhibitors to expand their presence in the Japanese market. We also called for participation in JASIS 2018.

5. Czech Republic Pavilion

As the embassy of the Czech Republic and Czech companies participated in the exhibition for

the first time, the Czech Pavilion was set up in the International Organizations Area. After the opening ceremony of JASIS, the opening ceremony for the Czech Republic Pavilion was held at the pavilion, where the vice ambassador was in attendance with the JAIMA international committee. The Czech companies appreciated the opportunity to participate in JASIS as exhibitors.

6. Handling Overseas Visitors

An information desk was set up in the International Organizations Area to deal with overseas visitors.

7. Inviting Exhibitors to JASIS 2018

On Friday, September 8, we visited all booths of the overseas companies and organizations to express appreciation for the exhibitions at JASIS 2017 and invited them to participate in the JASIS 2018 exhibition.

8. The 17th Asia Scientific Instrument Conference (ASIC): 11:30–13:30 on Wednesday, Sept. 6

The 17th ASIC was held at the "Cote d'Azur" banquet hall in Tokyo Bay Makuhari. Twenty-four JSIA persons, including Mr. Yazawa, the chairman, directors, advisors, international committee members, and other members attended the conference together with many other people from the Taipei Instruments Commercial Association (TICA), the Korea Scientific Instruments Industry Cooperative (KSIIC), the Science and Technology Trade Association (Thailand) and the Kaohsiung Instruments Commercial Association. JSIA provided overseas attendees with English booklets that included information extracted from the member fact-finding investigation report, and Mr. Nakagawa, a member of the JSIA international committee, gave a presentation.

9. Meeting with the Pittcon Committee: 11:30–13:30 on Thursday, Sept. 7

JSIA held a meeting with the Pittcon Committee at Hotel New Otani. Mr. Yazawa, the chairman, Mr. Shimodaira, the international committee chairman, and six international committee members of JSIA exchanged information and ideas about Pittcon Networking Database with Dr. Adrian Michael, Pittcon 2018 president, and four other Pittcon Committee members.

5. Public Relations

We promoted JASIS 2016's contents to the several newspapers, magazines, journals, feature articles and web with e-mail newsletter as shown below.

1. Posters (3,450 copies (Japanese), 220 copies (English))

2. Direct Mails (415,000 copies)

3. E-Mail Newsletter "JASIS On-line Magazine" (31 times (Japanese), twice (English), twice (Chinese), once (Limited Version))

4. Advertisement

News Papers:	Science News, Kagaku Kogyo Nippo, Automation Shimbun, etc.
Membership Journals and Magazines:	"BUNSEKI", "Kagaku-to Kogyou", "Kobunshi", "Oyo Butsuri", "Kagaku to Seibutsu", "Pharmacia Japan", "PHARM TECH JAPAN", "Nikkei Science", "Gendai Kagaku", "Food Chemical" etc.
WEB Advertisement:	Yahoo! Sponsored Search ad. Google Ad Wirz ad. Facebook In-feed ad. etc.
Mailing Service:	Q mail, Nikkei Science , NTS Mailing Service

5. Articles

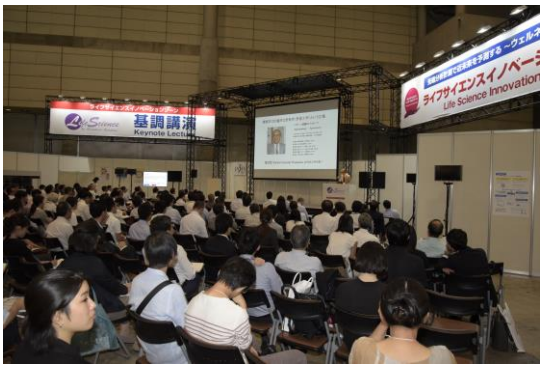
Nikkei Sangyo Shinbun, Bunseki, Kagaku to Kogyo, Nikkei Science , Science News, Nikkan Kogyo Shimbun, Shokuhin Kagaku Shimbun, Monthly Food Chemical, etc.

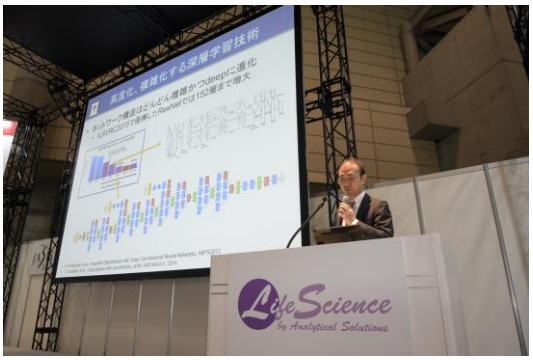
6. Web site

The JASIS web site (https://www.jasis.jp/) is maintained year round, providing information in Japanese, English, and Chinese, and advanced registration functions. It also provides convenience to exhibiting companies in the form of dedicated pages for them. A blog and Twitter (https://twitter.com/JASIS_Office/) were utilized to provide information before, during, and after the exhibition.

8. Life Science Innovation Zone

A special program aimed to accelerate business development in the Life Science market focused on health care fields where analytical instruments and technology show particular promise. This exhibition zone included the following programs:





1. Exhibition Booth / Special Displays

Approximately 66 companies set up 88 booths and made presentations regarding a new market in the life science field. In addition, Special Exhbition were set up to introduce advanced analytical instrument applications which are essential for future Advanced Diagnostics.

2. Keynote Address

Featured unique, particularly noteworthy themes which are pertinent to the advanced diagnostics of the near future. The program included global trends, Japan strategy, and lectures by renowned leaders in advanced research.

Sep. 6 (Wed.)

Time	Title, Speaker (Affiliation)	Visitors
10:20～11:00	**What is brought by fusion of Bio & Digital techs?** Masahiro Uemura (Director, Bio0Industry Division, Commetee and Information Policy Bureau, Ministry of Economy, Trade and Industry)	122
11:20～12:00	**【Plenary Lecture】Physical approaches to the secret of life.** Akiyoshi Wada (Professor emeritus, The University of Tokyo)	145
12:20～13:20	**【Plenary Lecture】State of the Art Analytical Workflows Supporting the Future of Pharma** Stephen Martin (Head, Analytical Sciences and Imaging, Novartis Institutes for BioMedical Research)	129
Healthcare and Drug Discovery		210
13:45～14:05	**Impact of new ICT waves on pharma industry** Tsuguchika Kaminuma (Director, the Institute for Cyber Associates)	
14:05～14:25	**Present state and future of AI drug discovery** Hiroshi Tanaka (Special Adviser to the Executive Director, Tohoku Medical Megabank Organization, Tohoku University)	
14:25～14:45	**Your smartphone brings the future of medicine.** Yosuke Hatanaka (Researcher, Ph.D. candidate, Department of Innovation for Medical Information Technology, The Jikei University School of Medicine)	
14:45～15:05	**New trend of drug discovery research** Tsuneaki Sakata (Senior Fellow, Shionogi & Co., Ltd.)	
15:05～15:25	**Relationship between Intestinal Flora and Medicine viewed from Gut-Liver Axis** Seiichi Ishida (Section Chief, National Institute of Health Sciences)	
15:30～16:05	**Discussion**（by above 5 speakers）	

Sep. 7 (Thu.)

Time	Title, Speaker (Affiliation)	Visitors
	Artificial Intelligence / Deep Learning: Prediction Applications for Bioscience	188
10:20～10:40	**Deepening computer-aided drug design by deep learning** Takashi Ishida (Associate professor, Department of Computer Science, Tokyo Institute of Technology)	
10:40～11:00	**Future healthcare society brought by cooperation between artificial intelligence and high-performance omics technologies.** Nobuhiro Hayashi (Associate Professor, School of Life Science and Technology, Tokyo Institute of Technology)	
11:00～11:20	**Social Drug Discovery Project** Kazuki Yamamoto (CEO, SHaLX Inc.)	
11:20～11:40	**Paradigm shift of system development with AI** Hitoshi Kamijima (Senior researcher, Research Institute of Systems Planning, Inc.)	
11:45～12:15	**Discussion** （by above 4 speakers）	
12:30～13:10	**【Plenary Lecture】Lung Cancer Eradication -Early Detection and Treatment-** Harubumi Kato (Honorary President, Niiza Shiki Central General Hospital)	109
	Role of Early Advanced Diagnosis for Enabling Early Treatment	240
13:30～13:50	**Next Generation Biopharmaceutics through Analytical Technologies** Kouhei Tsumoto (Professor, Sch Eng, and Inst Med Sci, Univ Tokyo)	
13:50～14:10	**Method of the middle molecules organic compound search to inhibit protein - protein interaction** Noboru Nakayama (Director & CTO, Biosys Technologies, INC / CTO Lecturer, St.Marianna University School of Medicine)	
14:10～14:30	**Nanobiodevices for Precision Medicine and Drug Discovery** Yoshinobu Baba (Professor, Director, Department of Biomolecular Engineering, ImPACT Research Center for Advanced Nanobiodevices, Nagoya University)	
14:30～14:50	**Structural analysis in solutions - Innovation for development in drug research** Taku Ogura (Researcher, Research & Development Headquarters, LION Corporation)	
14:55～15:25	**Discussion** （by above 4 speakers）	

Sep. 8 (Fri.)

Time	Title, Speaker (Affiliation)	Visitors
	Possibilities of Science for Supporting Future Societies and Livelihoods	188
10:20～10:25	**New analytical style from data-driven approach to AI-driven approach** Jun Kikuchi (Team Leader, RIKEN)	
10:25～10:40	**NMR spectroscopy for agricultural and food sciences** Yasuyo Sekiyama (Senior researcher, Food Research Institute, National Agriculture and Food Research Organization)	
10:40～10:55	**Utilization of data realized by next-generation IoT sensor in agriculture** Kohei Yamazaki (Manager, vegetalia, inc.　Business Development Dept.)	
10:55～11:10	**Utilization of big data in aquaculture** Miyuki Mekuchi (Researcher, Japan Fisheries Research and Education Agency)	
11:10～11:25	**Fish and its usefulness as view from comprehensive　metabolic profiling** Masataka Kawarasaki (Deputy Manager, Maruha Nichiro Corporation, Central Research Institute)	
11:25～11:40	**Environmental systems through date science** Yasuhiro Date (Research Scientist, RIKEN)	
11:45～12:20	**Discussion** （by above 6 speakers）	
12:50～13:35	**【Plenary Lecture】Sharpening the eyes to probe cancers** Hidemi Shigekawa (University of Tsukuba, Faculty of Pure and Applied Sciences, Professor)	82

Analyzing Life (Cells)		
14:00～14:20	**High resolution cryo-electron microscopy targeted on protein complex analysis** Chikara Sato (Group leader, Structure Physiology Group, Biomedical Research Institute, National Institute of Advanced Industrial Science and Technology(AIST))	138
14:20～14:40	**Protein single particle TEM image simulation and 3D reconstruction software for Cryo-TEM.** Takao Shinkawa (President, BioNet Lab. Inc.)	
14:40～15:00	**Intracellular molecular architecture elucidated by cryo-electron microscopy** Takuo Yasunaga (Professor, Dept. of Bioscience and Bioinformatics, School of Computer Science and Systems Engineering, Kyushu Institute of Technology)	
15:00～15:20	**“Watching” Biomacromolecules by Single Particle Analysis** Kouta Mayanagi (Assistant Professor, Division of Structural Biology, Medical Institute of Bioregulation, Kyushu University)	
15:25～15:55	**Discussion** （by above 4 speakers）	

3. Exhibitor Presentations

39 presentations (25 minutes/session) by exhibitors introduced new technologies and products related to Life Science Innovation.

＜Area #1＞

Sep. 6 (Wed.)

Time	Title	Exhibitor
10:30～11:30	**【Special Session】Introduction to Cutting Edge Digital Marketing -1**	K.Murakami (Synapse co., ltd.) / A.Yamaguchi (BD Consulting,LLC)
11:55～12:20	**Innovation in Efficiency: Enhancements in Microwave Chemistry**	CEM Japan K.K.
12:35～13:00	**Introduction of analysis tool for clinical sequence**	World Fusion Co., LTD
13:15～13:40	**High efficiency mouse / pig genome editing service**	Setsuro Tech Inc.
13:55～14:20	**Fecal- and salivary-sampling kit for stability of DNA stored at room temperature**	TechnoSuruga Laboratory Co.,Ltd.
14:35～15:00	**Measurement of volatile metabolites in breath for medical researchers**	Kinryo Electric CO., LTD.
15:15～15:40	**New evaluation system for drug discovery**	Cornes Technologies Ltd.

Sep. 7 (Thu.)

Time	Title	Exhibitor
10:15～10:45	**【Special Session】Open Innovation and AI**	TECHNO-PORT Inc.
11:15～11:40	**AI-based Image Analysis Cloud Platform**	LPixel Inc.
11:55～12:20	**Separation Science Asia – 1 & 2 November 2017, Singapore Conference Update**	Eclipse Business Media Ltd.
12:35～13:00	**REPROCELL technologies for drug discovery and development**	ReproCELL, Inc.
13:15～13:40	**Simple MS Imaging and LESA Plus analysis of Pathologically frozen sections using TriVersa NanoMate LESA and LESAPlus.**	L.E. Technologies
13:55～14:20	**Micro-structure Processing on Larger Glass substrates**	ULVAC COATING CORPORATION
14:35～15:00	**Application of mid-infrared free electron laser to development of diagnostic and therapeutic technologies for amyloidosis**	Tokyo University of Science
15:15～15:40	**PTMScan® Technology – Immunoaffinity enrichment for mass spectrometry-based proteomics**	Cell Signaling Technology Japan, K.K.

Sep. 8 (Fri.)

Time	Title	Exhibitor
10:15～10:45	**【Special Session】Lead generation by BioMarket.jp portal.**	BioAssociates,Inc.
11:15～11:40	**96well plate paddle mixer MICROPADDLE for formulation screening**	ULVAC, Inc.
11:55～12:20	**ITES's service in the field of life science**	ITES Co., Ltd.
12:35～13:00	**Coming age of one-shot quantitative proteome analysis**	Chemicals Evaluation and Research Institute, Japan
13:15～13:40	**Fluidic System for Cell Culture**	Takasago Electric, Inc.
13:55～14:20	**Estimation of bacterial count by Simple DNA testing kit**	Biocosm Inc.
14:35～15:00	**TBD**	merging Technologies Corporation
15:15～15:40	**TDB**	Japan Aerospace Exploration Agency (JAXA)

＜Area # 2＞

Sep. 6 (Wed.)

Time	Title	Exhibitor
12:35～13:00	**Thermal Cycler Calibration for high quality PCR.**	ForDx, Inc.
13:15～13:40	**Oxidative stress markers**	Japan Institute for the Control of Aging (JaICA)
13:55～14:20	**T/B cell receptor (TCR/BCR) analysis service**	OncoTherapy Science, Inc.
14:35～15:00	**Management technique in sample preservation and necessity of extraordinarily low temperature preservation.**	gumi co.,Ltd.
15:15～15:40	**Supporting industry during our bioresources**	Kazusa DNA Research Institute

Sep. 7 (Thu.)

Time	Title	Exhibitor
10:15～10:45	**【Special Session】Introduction to Cutting Edge Digital Marketing -2**	K.Murakami (Synapse co., ltd.) / A.Yamaguchi (BD Consulting,LLC)
11:15～11:40	**Contribution to healthcare field through integration of various core technologies**	SHIMADZU CORPORATION
11:55～12:20	**Introduction to Waals, a tool for viewing and analyzing protein structures**	Altif Laboratories Inc.
12:35～13:00	**Cell Culture Device with microfluidic technology**	Kyodo Internatinal Inc.
13:15～13:40	**The Stage Top Incubator is in order to observe of the cell culture process.**	BLAST Inc.
13:55～14:20	**Biopharmaceutical Analysis and Purification**	YMC CO., LTD.
14:35～15:00	**VHH antibody screening service**	ProteinExpress Co.,Ltd.
15:15～15:40	**Reagent kit for drug discovery and regenerative medicine.**	KANTO CHEMICAL CO., INC.

Sep. 8 (Fri.)

Time	Title	Exhibitor
10:15～10:45	**TEM/STEM image simulator elbis and statistical pattern recognition and deep learning software.**	BioNet Laboratory Inc.
11:15～11:40	**Dynamic visualization of nanoscale world by High-Speed AFM**	Reseach Institute of Biomolecule Metrology Co., Ltd.
11:55～12:20	**Spectroscopic technique for observation and analysis of cells and tissues**	HORIBA, Ltd.
12:35～13:00	**Application for hydrophilic samples using GL-MH100**	Hitachi Chemical Techno Service Co.,Ltd.

13:15～13:40	**Introduction of analyzing systems for cell research**	Sony Imaging Products & Solutions Inc.
13:55～14:20	**Introduction of Cryo-in Lens S (T) EM for analysis of living cell nano-space structure**	Hitachi High-Technologies Corporation
14:35～15:00	**Label-Free 3D Live Cell Imager「Holography Microscopy ～ Tomocube～」**	LMS Co.,Ltd

4. Meeting Lounge

A meeting space for the following purpose was prepared for exhibitors and visitors:

To find Technology alliance with the seeds/ new technology introduction

To find the partner of application co-development

To invest new technology or Bio Venture

To find the distributor

To research new technology / trend on Bio / advanced diagnostics

5. Advanced Diagnostics Innovation Forum in the JASIS Conference

The following 3 sessions as Life Science Innovation Forum were held in the JASIS Conference.

Time	Title	Organizer	Place
Sep. 6(Wed.) 10:00～17:45	**Life Science Innovation Forum 1** **"Profiling of Fear"**	Metabolic Profiling Forum	Conference Room 304
Sep. 7 (Thu.) 9:50～16:40	**Life Science Innovation Forum 2** **"Platforms for the Next Generation Participatory Healthcare"**	Institute for Cyber Associates	Conference Room 304
Sep. 8 (Fri.) 12:30～17:00	**Life Science Innovation Forum 3** **"Precision Medicine and Bio-banking in the Post-Genomics Era"**	Japan Multiplex bio-Analysis Consortium (JMAC)	Conference Room 304
Sep. 8 (Fri.) 10:00～12:15	**Life Science Innovation Forum 4** **"Exploring the analytical solutions in New generation Drug Discovery - toward the future trend of New generation Pharma's R&D"**	Japan Analytical Instruments Manufacturers' Association	Conference Room 301A

9. Open Solutions Forum

A new JASIS program, the "Open Solutions Forum ~ New Technology Oresentations by Theme ~" was held same as JASIS 2016. This program was to present issues and solutions through instrumental analysis in the three fields of healthy & functional foods, environmental purification products, and automobiles, based on the concept that the quality control and development of materials can bolster Japan's competitiveness in "manufacturers."

◆Open Solutions Forum Programs and number of attendees

Sept. 6（Wed.） Environmental Regulations

Time	Title, Speaker (Affiliation)	Visitors
10:30～11:10	**EEU RoHS2 Directive and Risk Management** Tetsuya Matsuura(Tokyo Environmental Management Laboratory President)	234
11:15～11:40	**Recent updates on environmental regulations in overseas** **～ RoHS2 Directive,Emission testing (GREENGUARD,CaProp65) and analysis tips ～** Shimadzu Techno-Research,Inc.	
11:45～12:10	**Representative results require adequate sample preparation.** **:Preparation techniques with the different way of milling.** Verder Scientific Co., Ltd.	
12:15～12:40	**Explanation of RoHS directive substances screening analysis method** SHIMADZU CORPORATION	
13:25～14:05	**Expanding chemSHERPA as a global standard** Hiroaki Machii(Principal Deputy Director, Chemical Management Policy Division, METI)	229
14:10～14:35	**Explanation of revised RoHS Directive and analytical methods focused on newly regulated substances** JEOL Ltd.	
14:40～15:05	**Rapid screening analysis of phthalate esters on hazardous substances contained in the RoHS2 Directive** Hitachi High-Technologies Corporation	
15:10～15:35	**Chemistry management method with PerkinElmer's NEW instruments of AVIO500(ICP-OES) and NexION2000(ICP-MS).** PerkinElmer Japan Co., Ltd.	

Sept. 7（Thurs. Evaluating the Taste of Food

Time	Title, Speaker (Affiliation)	Visitors
10:30～11:10	**Quality Evaluation of Agricultural Products** Hideki Horie(Leader, Tea Chemistry and Health Benefits Unit, National Agriculture and Food Research Organization)	304
11:15～11:40	**Instrumental analysis methods for elucidating taste of food** JEOL Ltd.	
11:45～12:10	**Role of multi-organoleptic system and sensory evaluation and its integration to predict palatability** Alpha M.O.S. Japan K.K.	
12:15～12:40	**A direct mass spectrometry, SIFT-MS, that enables real-time monitoring of "odor fluctuation" from foods, and its applications** Kinryo Electric Co.,Ltd.	
13:25～14:05	**Application of Metabolomics for Analysis of Food Function** Eiichiro Fukusaki, PhD.(Department of Biotechnology, Graduate School of Engineering, Osaka University)	297
14:10～14:35	**Effective Food Metabolomics Approach for Investigation of Flavor Components, Improvement of Quality, and Visualization of Additional Values** SHIMADZU CORPORATION	
14:40～15:05	**An objectivity evaluation and business utilization with the taste sensor** IRIE CORPORATION	
15:10～15:35	**Relationship between deliciousness and health typically investigated through the measurement of retronasal aroma** Shoreline Science Research, Inc.	

Sept. 8（Fri.） Automobile

Time	Title, Speaker (Affiliation)	Visitors
10:30～11:10	**Honda Fuel Cell Vehicle Development and Toward the Hydrogen Society** Takashi Moriya(Honda R&D Co.,Ltd.Technology Development Division 5 Senior Chief Engineer)	270
11:15～11:40	**Nanoscopic Observation of Lubrication Interfaces Contributing to Energy Saving.** SHIMADZU CORPORATION	
11:45～12:10	**SIFT-MS: a form of direct mass spectrometry that enables high throughput, real-time analysis of Vehicle Interior Air Quality.** Kinryo Electric Co.,Ltd.	
12:15～12:40	**" 3D X-Ray Microscopic CT Scanner / Yamato Scientific " Corresponds to dynamic energy range by a variey of models.** Yamato Scientific Co.,Ltd.	
13:25～14:05	**Development of state-of-the-art techniques of analysis for next generation batteries** Yoshiharu Uchimoto(Kyoto University, Graduate School of Human and Environmental Studies, Department of Interdisciplinary Environment)	285
14:10～14:35	**Evaluation of automobile materials using highly advanced spectroanalysis techniques** JASCO Corporation	
14:40～15:05	**Automated Particle analysis using SEM-EDS, according to ISO16232, Cleanliness of components of fluid circuits** Oxford Instruments KK	
15:10～15:35	**Characterization of Automotive Materials by Using X-ray Analysis** Rigaku Corporation	
15:40～16:05	**Innovation for Future Mobility: Spectroscopic analysis technologies that contributes to development of next-generation vehicles** HORIBA, Ltd.	

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10. Other Areas' Exhibition

1. JST Booth / AIST Booth

Japan Science and Technology Agency (JST) exhibited 16 booths and the National Institute of Advanced Industrial Science and Technology (AIST) exhibited 5 booths. Presentations of conference results were also held. It is believed that such active cooperation as a joint exhibition has contributed in some way to development and growth of leading edge analytical technology.

2. Promotion-sharing for leading-edge analyzers under the umbrellas of universities and national institutes among industry, academy, and government

This year, 9 booths displayed analytical and measuring instruments possessed by universities and public research institutes to promote public utilization in collaboration with the Ministry of Education, Culture, Sports, Science and Technology. In the past, the displays for this purpose were relatively small, mostly limited to the Research Organization Area. As the number of such booths increased over the past few years, we decided to expand such booths to other areas.

3. Kyoto Scientific Instrument Association Area

The Kyoto Scientific Instrument Association, a subsidiary of the Japan Scientific Instruments Association, held a 16-unit broad booth area where nine scientific instruments companies in Kyoto jointly showed their solutions, under the concept of "Burari Kyoto" (Strolling in Kyoto).

At a booth decorated like the tasteful alleys of Kyoto, the companies devoted to *monozukuri* ("making things") demonstrated their own techniques and knowledge, ranging from traditional industries to state-of-the-art technologies, as built on long history and inherited tradition. Their display generally received high marks.

4. mini/Solution Area

Venture businesses, component manufacturers, peripheral device manufacturers, parts & software manufacturers and analysis service providers are invited to this mini/Solution Corner and gathered much attention from that industry.

5. Research Organization / Academic Association Area

19 public research institutes exhibited in the Research Organization Area and 7 academic associations exhibited in Academic Associations Area. The presentations on the latest development, exhibitions of prototypes of new instruments and the introduction of conference theme were carried out. This area is important to communicate each other for the researchers of government academia and industry.

6. International Organization Area

International Organization Area was prepared to promote the "Internationalization" of a show. U.S. State Japan Office etc. continually formed "U.S. Pavilion". Korea and Canada also formed their "Pavilion" as well. Consultation Corner to assist the "Internationalization" of small and medium-sized enterprises has been held since 2012.

◆ **Organization for Small and Medium-sized Enterprises and Regional Innovation:**

Consultation Corner for Assisting in the Internationalization of Small and Medium-sized Enterprises

During the three days of this show, JASIS provided free-of-charge consultation for problems regarding internationalization as experienced by small and medium-sized companies. This activity, continued from 2012, is designed to assist small and mid-sized companies that want to develop overseas markets in solving the problems they currently face. We received 9 requests for consultation during the show (25 last year). The details of these requests included methods of market development, information on the target regions or assistance measures by the Organization for Small and Medium-sized Enterprises and Regional Innovation, and requests for introduction to companies

7. Media & Press Area

This Area presented newspapers, magazines and books that deal with analysis/analytical and scientific instruments, offered by various publishing companies in Japan and overseas.

11. Events at JASIS 2017

1. The “Heritage” Corner

The recognition project “Heritage of Analytical and Scientific Instruments”, run by Japan Analytical Instruments Manufacturers' Association (JAIMA) and Japan Scientific Instruments Association (JSIA), published the book for these 5 years.

This book was given per one person at the Heritage Corner located at the Event Square in Hall 7 of the JASIS exhibition venue.

2. Science Experience Class / Educational DVD Corner

At the hall 6, the forum space was set up with 50 audience capacity where “Science Experience Class” was held by Japan Science Foundation / Science Museum. The program and the number of audiences are shown as follows.

◆"Introduction to Scientific Instruments"

Date		Theme	number of audience
Sep. 6(Wed.)	13:30~14:00	Reliability Outline - Basis of the Reliability and Environmental Test Container-	92
	14:05~14:35	Salt Water Spray Testing Meter	
	14:40~15:10	Vibration Testing Meter	
Sep. 7(Thu.)	13:30~14:00	Soil Environment Measuring Instrument	85
	14:05~14:35	Related to the Cultivation Equipment	
	14:40~15:10	Pulsometer	

◆Science Experience Class -Japan Science Foundation / Science Museum-

Date		Theme	number of audience
Sep. 8(Fri.)	13:00~14:00	Science Experience Class	50
	15:00~16:00	Same class above	60

◆Educational Videos (DVDs) by Japan Society of Analytical Chemistry (JSAC)

Date		Theme
Sep. 6(Wed.) ~ 8(Fri.)	10:20~10:53	Reliability of analysis and its value
	10:55~11:28	HPLC Analysis
	11:30~12:04	LC/MS Analysis

3. "Scientific / Analytical Instruments Compendium"

Number of copies published and distributed is as follow.

No. of listed companies	365 companies
No. of listing items	3,781 spaces
No. of copies printed	Printed Ver.－17,000　DVD Ver. －8,000
No. of copies distributed	Printed Ver.－ 8,500　DVD Ver. －4,000

4. Other Events at JASIS 2017

Following Services and events were provided by the organizers (JASIS) in each halls.

Lottery's Counters (Hall 6and Hall 7 at Event Square)

To mitigate crowding at the venue reception, JASIS promotes the use of pre-registration for visitor admission. As part of its pre-registration campaign, a lottery was held especially for visitors who had pre-registered. This lottery has continued for nearly ten years since the time of the Analytical Instruments Exhibition and has become a regular event popular with visitors.

Questionnaire Counters (Hall 6 and Hall 7 at Event Square)

Questionnaire was carried out for 5,180 visitors during 3 days. (For details, see p.60)

Wi-Fi Area (Hall 6 and Hall 7 at Event Square)

Free Wireless LAN connectable services and PCs & Printers services were presented for visitors.

Organizers Information Corner (Hall 8 at Event Square)

Panel presentations were held about the activity of JASIS organizers, JAIMA and JSIA.

Shuttle Bus Service

JASIS provided Free shuttle bus Service from Makuhari Hongo, Kaihin Makuhari Station (Chiba), Tsukuba (Ibaraki) to Makuhari Messe.

Lunch Car and Lounge etc.

Lunch Cars at Exhibition Hall, Stall street shops in front of Makuhari Messe Central etc. were set up for visitors' convenience.

12. Conference and Seminars

1. New Technology Presentaions

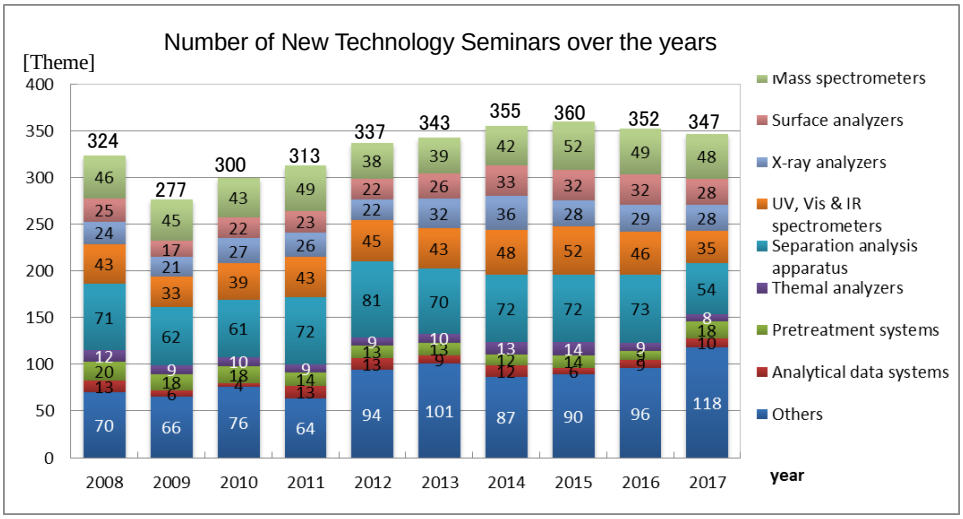
Date: September 6 (Wed.) ~ 8 (Fri.)　10:00 ~ 17:00

Venue: Tokyo Bay "Makuhari Hall" Room 1-11, 2nd Fl., APA Hotel & Resorts Tokyo Bay Makuhari
STELLA, SHO, YU, MAI and REI, Hotel New Otani Makuhari

Number of participating companies: 101 companies (108 companies)　* (　　) : JASIS2016's figures

Number of sessions: 347 sessions (352 sessions) : 25 min. 216 sessions / 50 min. 131 sessions

	JASIS2017	JASIS2016	JASIS2015
Sept. 7 (Wed.) (Day 1)	4,511/113	4,928 / 119	5,470 / 122
Sept. 8 (Thu.) (Day 2)	5,583/116	5,448 / 119	5,670 / 117
Sept. 9 (Fri.) (Day 3)	5,907/118	5,332 / 114	6,360 / 121
Total	16,001/347	15,708 / 352	17,500 / 360
Average numer of audience	46.1	44.6	
(Member companies)	303	311	322
(Not member companies)	44	41	38
Total number of sessions	347	352	360
Number of sessions with simultaneous interpretation	4	3	2



2. JASIS Conference

Date: September 5 (Tue.) ~ September 8 (Fri.), 2017　10:00 AM ~ 5:00 PM

Venue: International Conference Hall, Makuhari Messe

Number of groups/meetings: 30 groups/ 51 sessions (28 groups/ 50 sessions)

Number of visitors: 4,507 visitors (4,381 visitors)　　* (　　): JASIS2016's figures

Date	Title	Organizer	Place	Time	Lan-guage
Sep.5 (Tue.)	Analytical Electron Microscopy 2017(1/2)	The Japanese Society of Microscopy	Int'l Conf. Room	10:00-16:45	J
	Discussion for the future research direction of the instrumentations and applications of the plasma spectrochemistry	Discussion Group for Plasma Spectrochemistry Japan	201	10:00-16:50	J
Sep.6 (Wed.)	JAIMA Seminar 2 "Instrumental Analysis -Are you confident of your analytical results? "	Japan Analytical Instruments Manufacturers' Association	303	09:50-17:20	J
	JAIMA Seminar 1 "Fundamental lectures on basic techniques in analytical experiments"	Japan Analytical Instruments Manufacturers' Association	302	10:00-12:00	J
	Analytical Electron Microscopy 2017(2/2)	The Japanese Society of Microscopy	Int'l Conf. Room	10:00-16:50	J
	NIR spectroscopy, the 53rd Summer Seminar of the Spectroscopical Society of Japan	The Spectroscopical Society of Japan	101	10:00-17:00	J
	JSCA Seminar of International Standardization of Surface Chemical Analysis 2017 - Trend of International Standardization on Surface Analysis and Microbeam Analysis -	Japan National Committee for Standardization of Surface Chemical Analysis (JSCA)	104	10:00-16:55	J
	Laser Ablation Workshop 2017 -Catch the next evolution on LA-ICPMS and LIBS	Discussion Group for Laser Ablation Spectrochemistry	103	10:00-17:40	J
	Life Science Innovation Forum 1"Profiling of Fear"	Metabolic Profiling Forum	304	10:00-17:45	J
	Development of User-Friendly Measurement Methods	Organization for Research and Communication on Environmental Risk of Chemicals	201A	10:45-16:00	J
	Measurement and Visualization of Paticles in the Air.	Japan Society of Indoor Environment	102	13:00-17:00	J
	JAIMA Symposium "Innovation creation by measurement and analysis platform"	Science Council of Japan / Japan Society for the Promotion of Science / Japan Society of Analytical Chemistry (JSAC) /Japan Analytical Instruments Manufacturers' Association (Support: The Chemical Society of Japan(CSJ)/ COMS-NANO, National Institute of Advanced Industrial Science and Technology (AIST))	Convention Hall A	13:00-17:00	J
	ICS1 International Analytical and Chemical Societies Symposium 2017	Japan Analytical Instruments Manufacturers' Association	Convention Hall B	13:15-17:00	E/J
	ICS2 Asia Technical Forum 2017 "Food Safety and Security in Asia with a special lecture on Indian Pharmaceutical Market"	Japan Analytical Instruments Manufacturers' Association	301B	13:20-17:10	E/J
	Information on Off-Flavor Topics	Food Off-Flavor Study Group	105	13:10-17:30	J
	Sensing for connecting manufacturing and using of thier data for service - Use case of AIST research -	Department of Electronics and Manufacturing, National Institute of Advanced Industrial Science and Technology	201B	13:30-16:30	J
	JAIMA Seminar 3 "Instrumental Analysis -Bio-Technology"	Japan Analytical Instruments Manufacturers' Association	301A	14:00-17:00	J
	JAIMA Seminar 4 "Instrumental Analysis -IC"	Japan Analytical Instruments Manufacturers' Association	302	13:40-17:05	J
Sep. 7 (Thu.)	JAIMA Seminar 6 "Instrumental Analysis -LC"	Japan Analytical Instruments Manufacturers' Association	303	09:30-17:30	J
	ICS3 RSC Tokyo International Conference 2017 "Analytical Science and Technology for Global Sustainability"(1/2)	The Royal Society of Chemistry, UK (RSC)	Convention Hall B	09:30-18:10	E
	How to establish the management system of REACH/RoHS in your company! Let's draw on your existing management system.	TKK	103	10:00-12:00	J
	JAIMA Seminar 5 "Fundamental lectures on analyzing data"	Japan Analytical Instruments Manufacturers' Association	302	10:00-12:00	J
	Techniques of Multi Regression Analysis using PLS, the 53rd Summer Seminar of the Spectroscopical Society of Japan	The Spectroscopical Society of Japan	101	10:00-17:00	J
	SPring-8/SACLA	RIKEN Spring-8 Center	102	10:00-17:00	J
	Life Science Innovation Forum 2 "Platforms for the Next Generation Participatory Healthcare"	Institute for Cyber Associates	304	9:50-16:40	J
	NMIJ Reference Material Seminar 2017: Basic knowledge for Quality Assurance in Chemical Analysis	National Metrology Institute of Japan (NMIJ), Advanced Industrial Science and Technology (AIST)	Int'l Conf. Room	10:30-16:30	J
	JST CRDS Seminar "Panoramic View of Measuring and Analytical Technology and Report on R&D infrastructures in JAPAN"	Japan Science and Technology Agency	106	11:00-11:45	J
	Making the best use of your mass spectrometric data	The Mass Spectrometry Society of Japan (JASIS Project)	105	13:30-15:50	J
	Late topics in computer based analytical instrumation	PAI-NET	103	13:00-16:30	J
	Promotion Seminar on Public Utilization of Research Facilities	Ministry of Education, Culture, Sports, Science and Technology - Japan	106	13:10-16:30	J
	The technical seminar for drinking water analysis in 2017	Association of Examination and Inspection for Supplied Water	201	13:00-16:50	J
	Recent development in food safety: Practical method for screening of chemical substances	Japanese Society for Food Hygiene and Safety	104	13:25-16:50	J
	ICS4 China Forum 2017 "Latest trends and development of analytical instruments market, environmental protection tasks, quality & safety of milk, and health effects of PM2.5 in China"	Japan Analytical Instruments Manufacturers' Association	301B	14:00-16:35	C/J
	JAIMA Seminar 7 "Instrumental Analysis -Thermal Analysis"	Japan Analytical Instruments Manufacturers' Association	301A	14:00-17:00	J
	JAIMA Seminar 8 "Instrumental Analysis -GC"	Japan Analytical Instruments Manufacturers' Association	302	14:00-17:00	J
Sep. 7 (Fri.)	Practical surface analysis - knowledge of surface analysis for beginners	Surface Analysis Society of Japan	103	09:00-17:00	J
	ICS5 RSC Tokyo International Conference 2017 "Analytical Science and Technology for Global Sustainability"(2/2)	The Royal Society of Chemistry, UK (RSC)	Convention Hall B	09:30-16:55	E
	Nano- material and device characterization using Atomic Force Microscopy	Scanning Probe Microscopy Division of The Japanese Society of Microscopy	105	09:30-16:15	J
	JAIMA Seminar 10 "Instrumental Analysis -X-Ray Analysis"	Japan Analytical Instruments Manufacturers' Association	303	10:00-12:10	J
	JSIA Seminar "Basic knowledge on Scientific Instruments Industry" - Environmental Analysis -	Japan Scientific Instruments Association	102	10:00-12:30	J
	Life Science Innovation Forum 4 "Exploring the analytical solutions in New generation Drug Discovery - toward the future trend of New generation Pharma's R&D"	Japan Analytical Instruments Manufacturers' Association	301A	10:00-12:15	J
	JAIMA Seminar 9 "Instrumental Analysis -MS"	Japan Analytical Instruments Manufacturers' Association	302	10:00-13:00	J
	JASIS2017 JEMCA Seminar	Japan Environmental Measurement and Chemical Analysis Association	201	09:55-16:00	J
	The 3rd Symposium of Research Institute for Measurement and Analytical Instrumentation (RIMA) - Measurement standards and technology for realizing a safe and secure society -	Research Institute for Measurement and Analytical Instrumentation (RIMA), National Metrology Institute of Japan (NMIJ), Advanced Industrial Science and Technology (AIST)	Int'l Conf. Room	10:00-15:30	J
	Far-UV spectroscopy, the 53rd Summer Seminar of the Spectroscopical Society of Japan	The Spectroscopical Society of Japan	101	10:00-17:00	J
	Life Science Innovation Forum 3 "Precision Medicine and Bio-banking in the Post-Genomics Era"	Japan Multiplex bio-Analysis Consortium(JMAC)	304	12:30-17:00	J
	Analysis and Evaluation Techniques for Biomimetics	The Society of Polymer Science, Japan Research Group on Biomimetics	301B	13:00-17:20	J
	Inside Laboratory Management	AOAC INTERNATIONAL JAPAN SECTION	104	13:30-16:30	J
	JAIMA Seminar 12 "Instrumental Analysis -Separation Science"	Japan Analytical Instruments Manufacturers' Association	303	14:00-16:55	J
	JAIMA Seminar 11 "Instrumental Analysis -FIA"	Japan Analytical Instruments Manufacturers' Association	302	14:00-17:00	J
	Laboratory Grade Furniture and Equipment Trends	Scientific Equipment and Furniture Association(SEFA)	102	14:00-15:00	E/J
	The Material Choice for Safe and Durable Laboratory, Research and Educational Environments.	Trespa International	102	15:00-16:00	E/J

3. Science Seminar

" Einstein's Cosmic Melody - Challenges of KAGRA & Unveiling Mysteries of Universe with Gravitational Wave Astronomy "

Date: Sept 9 (Fri.) 13:00 - 14:30

Place: Convention Hall A, 2nd Fl. of International Conference Hall

Admission fee: Free

Number of audience: 285

Speaker: **Seiji Kawamura, Institute for Cosmic Ray Research, the University of Tokyo**

4. Featured Seminar "Analytical and Scientific Instruments and Japanese Pharmacopoeia"

Date: Sept 8 (Thu.) 14:00 - 16:00

Place: Convention Hall A, 2nd Fl. of International Conference Hall

Admission Fee: Free

Number of audience: 483

Lecture 1: **Topics on Physicochemical Testing Methods**
(14:00 - 14:30**)**
Speaker: **Chikako Yomota,** Kobe Pharmaceutical University（Visiting Researcher of National Institute of Health Sciences）

Lecture 2: **Building Quality Control Strategies and Analysis Methods for Biopharmaceuticals**
(14:40 - 15:10**)**
Speaker: **Akiko Ishii,** National Institute of Health Sciences

Lecture 3: **Analytical and Scientific Instruments and Methods for Analyzing Pharmaceuticals**
(15:20 - 16:50**)**
Speaker: **Yukihiro Goda,** National Institute of Health Sciences

13. Visitors' Profile

The visitor profile analysis was performed based on admission registration forms filled out by the 24,856 exhibition visitors. The following four points are year-by-year visitor characteristic for this exhibition. These same trends were also exhibited in this year.

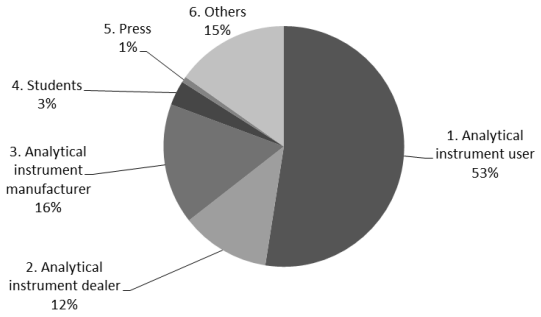
1. The category of analytical and scientific instrument users accounted for over half of attendance.
2. According to aggregation by region of employment, visitors from the Kanto and Koshinetsu districts reached to more than 70% of attendance.
3. Visitors were from all category of industry, with no single industry dominating.
   The following industries had relatively high representation at about 5 to 10%:
   Electronics, Electric, Machinery / Technical service (analysis, testing, inspection) / Chemical products (ink, paint, pesticide, aromatics) / government offices, public institutions / Pharmachemicals, Reagents, Cosmetics / Foods
4. Main job classifications breakdown: R&D: about 27.9%; sales: about 20.9%; Analysis / testing / inspection / measurement: about 17.9%; production / manufacturing / quality control: about 7.1%.

1. Classification by the registration type

	JASIS2017						JASIS2016		JASIS2015	
	Sep. 5	Sep. 6	Sep. 7	Sep. 8	Total	%	Total	%	Total	%
Pre-registration through website(～Aug. 25)	137	4,678	4,361	3,876	13,052	52.5%	13,053	53.5%	12,168	52.0%
Pre-registration through website(Aug 26～)	54	2,627	2,880	3,175	8,736	35.1%	8,298	34.0%	8,220	35.1%
On-site PC registration	3	914	1,050	1,101	3,068	12.3%	3,030	12.4%	3,020	12.9%
Total	194	8,219	8,291	8,152	24,856	100.0%	24,381	100.0%	23,408	100.0%

2. Classification by the color of registration card

	JASIS2017						JASIS2016		JASIS2015	
	Sep. 5	Sep. 6	Sep. 7	Sep. 8	Total	%	Total	%	Total	%
1. Analytical instrument user	108	3,864	4,417	4,653	13,042	52.5%	12,358	50.7%	12,235	52.3%
2. Analytical instrument dealer	5	1,081	1,011	883	2,980	12.0%	3,008	12.3%	2,974	12.7%
3. Analytical instrument manufacturer	42	1,564	1,304	1,120	4,030	16.2%	4,330	17.8%	3,814	16.3%
4. Students	5	292	308	221	826	3.3%	773	3.2%	723	3.1%
5. Press		112	45	40	197	0.8%	153	0.6%	179	0.8%
6. Others	34	1,306	1,206	1,235	3,781	15.2%	3,759	15.4%	3,483	14.9%
Total	194	8,219	8,291	8,152	24,856	100.0%	24,381	100.0%	23,408	100.0%



3. Classification by Business Area

	JASIS2017						JASIS2016		JASIS2015	
	Sep. 5	Sep. 6	Sep. 7	Sep. 8	Total	%	Total	%	Total	%
Tokyo	66	2,924	2,648	2,769	8,407	33.8%	8,639	35.4%	8,308	35.5%
Kanagawa	20	1,019	1,112	1,156	3,307	13.3%	3,250	13.3%	3,041	13.0%
Chiba	21	762	732	911	2,426	9.8%	2,370	9.7%	2,363	10.1%
Saitama	6	576	614	701	1,897	7.6%	1,842	7.6%	1,814	7.7%
Ibaraki	15	427	544	593	1,579	6.4%	1,555	6.4%	1,462	6.2%
Tochigi	1	100	110	132	343	1.4%	323	1.3%	346	1.5%
Gunma	1	54	104	119	278	1.1%	303	1.2%	266	1.1%
Yamanashi		35	55	44	134	0.5%	134	0.5%	130	0.6%
Nagano	2	67	68	67	204	0.8%	237	1.0%	213	0.9%
Niigata		34	46	47	127	0.5%	112	0.5%	110	0.5%
Sub total	132	5,998	6,033	6,539	18,702	75.2%	18,765	77.0%	18,053	77.1%
Aichi	4	186	223	188	601	2.4%	548	2.2%	501	2.1%
Shizuoka	5	177	216	247	645	2.6%	614	2.5%	606	2.6%
Gifu		23	29	35	87	0.4%	71	0.3%	64	0.3%
Mie		38	54	52	144	0.6%	102	0.4%	119	0.5%
Ishikawa	2	19	22	9	52	0.2%	69	0.3%	54	0.2%
Toyama	1	38	50	38	127	0.5%	110	0.5%	99	0.4%
Fukui		11	19	16	46	0.2%	45	0.2%	51	0.2%
Sub total	12	492	613	585	1,702	6.8%	1,559	6.4%	1,494	6.4%
Osaka	8	355	316	230	909	3.7%	910	3.7%	811	3.5%
Kyoto	4	315	304	169	792	3.2%	841	3.4%	676	2.9%
Shiga	3	51	61	54	169	0.7%	126	0.5%	150	0.6%
Hyogo	6	104	119	95	324	1.3%	283	1.2%	283	1.2%
Nara		25	11	18	54	0.2%	38	0.2%	37	0.2%
Wakayama		8	12	6	26	0.1%	33	0.1%	30	0.1%
Sub total	21	858	823	572	2,274	9.1%	2,231	9.2%	1,987	8.5%
Ehime	1	20	24	18	63	0.3%	45	0.2%	32	0.1%
Kagawa	1	12	19	4	36	0.1%	29	0.1%	55	0.2%
Kochi		7	7	3	17	0.1%	14	0.1%	9	0.0%
Tokushima		5	14	10	29	0.1%	26	0.1%	34	0.1%
Sub total	2	44	64	35	145	0.6%	114	0.5%	130	0.6%
Iwate		11	10	5	26	0.1%	44	0.2%	33	0.1%
Miyagi	1	41	50	39	131	0.5%	151	0.6%	139	0.6%
Yamagata		31	42	24	97	0.4%	66	0.3%	67	0.3%
Akita		21	14	6	41	0.2%	39	0.2%	22	0.1%
Aomori		10	9	6	25	0.1%	29	0.1%	36	0.2%
Fukushima		50	70	106	226	0.9%	208	0.9%	186	0.8%
Hokkaido		48	35	23	106	0.4%	106	0.4%	83	0.4%
Sub total	1	212	230	209	652	2.6%	643	2.6%	566	2.4%
Okayama		33	37	32	102	0.4%	96	0.4%	87	0.4%
Hiroshima	2	39	53	33	127	0.5%	99	0.4%	87	0.4%
Yamaguchi		17	32	23	72	0.3%	68	0.3%	69	0.3%
Tottori		4	8	2	14	0.1%	8	0.0%	10	0.0%
Shimane		7	4	6	17	0.1%	11	0.0%	5	0.0%
Sub total	2	100	134	96	332	1.3%	282	1.2%	258	1.1%
Fukuoka	2	59	64	29	154	0.6%	137	0.6%	140	0.6%
Saga		18	3	5	26	0.1%	25	0.1%	22	0.1%
Nagasaki		4	10	1	15	0.1%	17	0.1%	14	0.1%
Kumamoto		14	37	7	58	0.2%	52	0.2%	56	0.2%
Oita		12	13	5	30	0.1%	29	0.1%	21	0.1%
Miyazaki		11	9	6	26	0.1%	20	0.1%	18	0.1%
Kagoshima		10	4	3	17	0.1%	14	0.1%	16	0.1%
Okinawa		14	4	3	21	0.1%	18	0.1%	18	0.1%
Sub total	2	142	144	59	347	1.4%	312	1.3%	305	1.3%
Japan Total	172	7,846	8,041	8,095	24,154	97.2%	23,906	98.1%	22,793	97.4%
Overseas	22	373	250	57	702	2.8%	475	1.9%	615	2.6%
Total	194	8,219	8,291	8,152	24,856	100.0%	24,381	100.0%	23,408	100.0%

4. Classification by Business Area Ranking TOP10

	JASIS2017		JASIS2016		JASIS2015	
	Area	Total	Area	Total	Area	Total
1位	Tokyo	8,407	Tokyo	8,639	Tokyo	8,308
2位	Kanagawa	3,307	Kanagawa	3,250	Kanagawa	3,041
3位	Chiba	2,426	Chiba	2,370	Chiba	2,363
4位	Saitama	1,897	Saitama	1,842	Saitama	1,814
5位	Ibaragi	1,579	Ibaragi	1,555	Ibaragi	1,462
6位	Osaka	909	Osaka	910	Osaka	811
7位	Kyoto	792	Kyoto	841	Kyoto	676
8位	Overseas	702	Shizuoka	614	Overseas	615
9位	Shizuoka	645	Aichi	548	Shizuoka	606
10位	Aichi	601	Overseas	475	Aichi	501

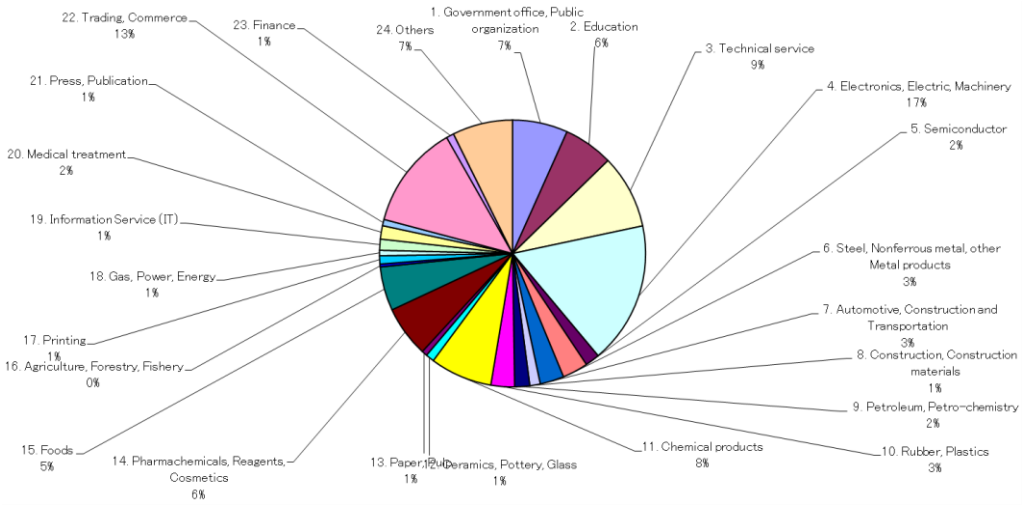
5. Classification by Country Ranking TOP10

	JASIS2017		JASIS2016		JASIS2015	
	Country	Total	Country	Total	Country	Total
1位	South Korea	223	South Korea	186	South Korea	265
2位	China	157	China	116	China	114
3位	Chinese Taipei	142	Chinese Taipei	44	Chinese Taipei	72
4位	United States	48	United States	25	United States	37
5位	Thailand	18	Vietnum	10	Thailand	21
6位	India	13	Indonesia	9	Singapore	15
7位	Hong Kong	11	Singapore	9	Vietnum	15
7位	United Kingdom	11	Myanmar	8	Germany	9
9位	Singapore	10	Thailand	8	Hong Kong	8
10位	Russia	7	Italy	5	Malaysia	8
10位	Vietnum	7	Malaysia	5	Indonesia	7
			United Kingdom	5		
	Other	55	Other	45	Other	44
	Total	702	Total	475	Total	615

6. Classification by Business (Based on 24,856 respondents)

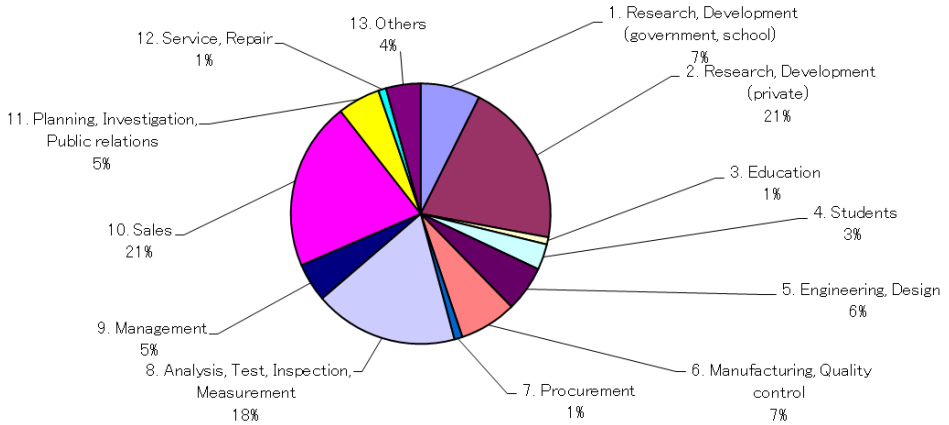
	JASIS2017		JASIS2016		JASIS2015	
	Total	%	Total	%	Total	%
1. Government office, Public organization	1,668	6.7%	1,624	6.7%	1,654	7.1%
2. Education	1,498	6.0%	1,452	6.0%	1,366	5.8%
3. Technical service	2,223	8.9%	2,143	8.8%	2,052	8.8%
4. Electronics, Electric, Machinery	4,277	17.2%	4,382	18.0%	3,939	16.8%
5. Semiconductor	435	1.8%	374	1.5%	370	1.6%
6. Steel, Nonferrous metal, other Metal products	774	3.1%	784	3.2%	785	3.4%
7. Automotive, Construction and Transportation	722	2.9%	751	3.1%	645	2.8%
8. Construction, Construction materials	316	1.3%	343	1.4%	302	1.3%
9. Petroleum, Petro-chemistry	454	1.8%	499	2.0%	479	2.0%
10. Rubber, Plastics	712	2.9%	713	2.9%	646	2.8%
11. Chemical products	1,876	7.5%	1,757	7.2%	1,713	7.3%
12. Ceramics, Pottery, Glass	256	1.0%	213	0.9%	234	1.0%
13. Paper, Pulp	167	0.7%	165	0.7%	144	0.6%
14. Pharmachemicals, Reagents, Cosmetics	1,540	6.2%	1,477	6.1%	1,498	6.4%
15. Foods	1,322	5.3%	1,203	4.9%	1,157	4.9%
16. Agriculture, Forestry, Fishery	88	0.4%	76	0.3%	82	0.4%
17. Printing	245	1.0%	215	0.9%	218	0.9%
18. Gas, Power, Energy	165	0.7%	138	0.6%	147	0.6%
19. Information Service (IT)	334	1.3%	315	1.3%	318	1.4%
20. Medical treatment	403	1.6%	428	1.8%	417	1.8%
21. Press, Publication	190	0.8%	146	0.6%	139	0.6%
22. Trading, Commerce	3,142	12.6%	3,150	12.9%	3,170	13.5%
23. Finance	227	0.9%	231	0.9%	193	0.8%
24. Others	1,822	7.3%	1,802	7.4%	1,740	7.4%
Total	24,856	100.0%	24,381	100.0%	23,408	100.0%

Classification by Business



7. Classification by occupation (Based on 24,856 respondents)

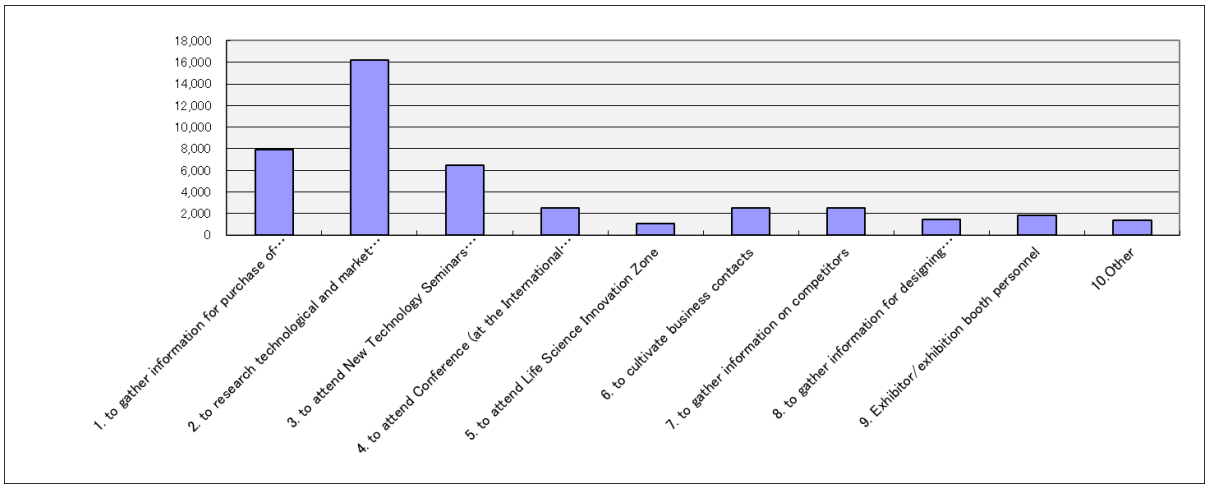
	JASIS2017						JASIS2016		JASIS2015	
	Sep. 5	Sep. 6	Sep. 7	Sep. 8	Total	%	Total	%	Total	%
1. Research, Development (government, school)	33	648	626	537	1,844	7.4%	1,806	7.4%	1,848	7.9%
2. Research, Development (private)	43	1,524	1,751	1,775	5,093	20.5%	4,834	19.8%	4,717	20.2%
3. Education	4	76	58	84	222	0.9%	166	0.7%	213	0.9%
4. Students	4	296	302	192	794	3.2%	776	3.2%	706	3.0%
5. Engineering, Design	10	437	428	536	1,411	5.7%	1,411	5.8%	1,245	5.3%
6. Manufacturing, Quality control	1	589	516	666	1,772	7.1%	1,636	6.7%	1,614	6.9%
7. Procurement		81	66	105	252	1.0%	252	1.0%	257	1.1%
8. Analysis, Test, Inspection, Measurement	48	1,269	1,564	1,572	4,453	17.9%	4,267	17.5%	4,100	17.5%
9. Management	2	483	401	310	1,196	4.8%	1,254	5.1%	1,243	5.3%
10. Sales	11	1,810	1,784	1,584	5,189	20.9%	5,504	22.6%	5,090	21.7%
11. Planning, Investigation, Public relations	1	504	423	389	1,317	5.3%	1,305	5.4%	1,256	5.4%
12. Service, Repair	2	50	88	100	240	1.0%	226	0.9%	211	0.9%
13. Others	35	452	284	302	1,073	4.3%	944	3.9%	908	3.9%
Total	194	8,219	8,291	8,152	24,856	100.0%	24,381	100.0%	23,408	100.0%



8. Major purpose to visit the JASIS (Multiple Choices)

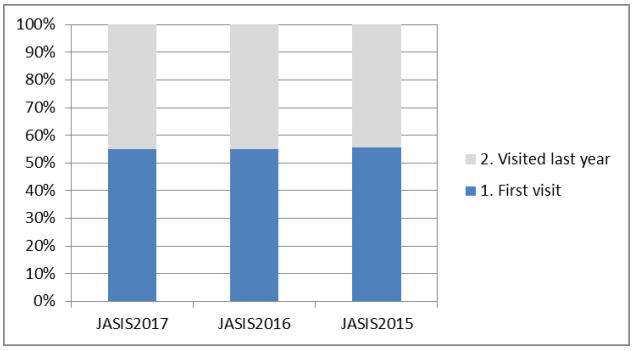
	JASIS2017		JASIS2016		JASIS2015	
	Total	%	Total	%	Total	%
1. to gather information for purchase of analytical/scientific instrument	7,933	31.9%	7,445	30.5%	7,318	31.3%
2. to research technological and market trends of analytical and scientific instruments	16,230	65.3%	15,427	63.3%	15,539	66.4%
3. to attend New Technology Seminars /Open Solutions Forum	6,450	25.9%	6,022	24.7%	5,529	23.6%
4. to attend Conference (at the International Conference Hall)	2,528	10.2%	2,442	10.0%	2,530	10.8%
5. to attend Life Science Innovation Zone	1,113	4.5%	1,097	4.5%	979	4.2%
6. to cultivate business contacts	2,492	10.0%	2,498	10.2%	2,314	9.9%
7. to gather information on competitors	2,535	10.2%	2,707	11.1%	2,546	10.9%
8. to gather information for designing analytical and scientific instruments	1,435	5.8%	1,484	6.1%	1,465	6.3%
9. Exhibitor/exhibition booth personnel	1,835	7.4%	2,105	8.6%	1,519	6.5%
10.Other	1,353	5.4%	1,194	4.9%	1,235	5.3%

Percentage is based on 24,856 respondents (2017), 24,381 respondents (2016), and on 23,408 respondents (2015).



9. Classification by first visit or not

	JASIS2017		JASIS2016		JASIS2015	
	Total	%	Total	%	Total	%
1. First visit	13,645	54.9%	13,392	54.9%	13,020	55.6%
2. Visited last year	11,211	45.1%	10,989	45.1%	10,388	44.4%
Total	24,856	100.0%	24,381	100.0%	23,408	100.0%



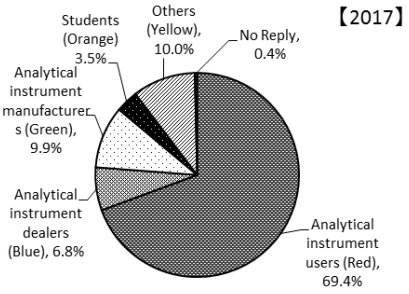
14. Questionnaire for Visitors

Outline of questionnaire

The questionnaire counters were installed in the Event Square of Hall 6 and Hall 7. 5,174 visitors' questionnaire was obtained during 3 days.

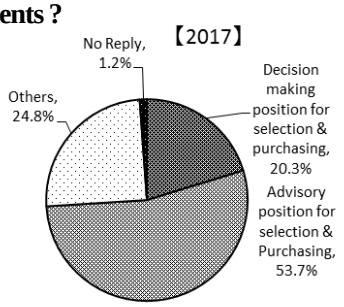
1. Classification by the color of registration card

	JASIS2017		JASIS2016		JASIS2015	
Analytical instrument users (Red)	3,590	69.4%	3,540	68.3%	3,480	70.3%
Analytical instrument dealers (Blue)	353	6.8%	380	7.3%	324	6.5%
Analytical instrument manufacturers (Green)	511	9.9%	513	9.9%	476	9.6%
Students (Orange)	183	3.5%	252	4.9%	182	3.7%
Others (Yellow)	518	10.0%	481	9.3%	485	9.8%
No Reply	19	0.4%	14	0.3%	0	0.0%
Total	5,174	100.0%	5,180	100.0%	4,947	100.0%



2. Are you in the position to make purchasing decision of analytical instruments ?

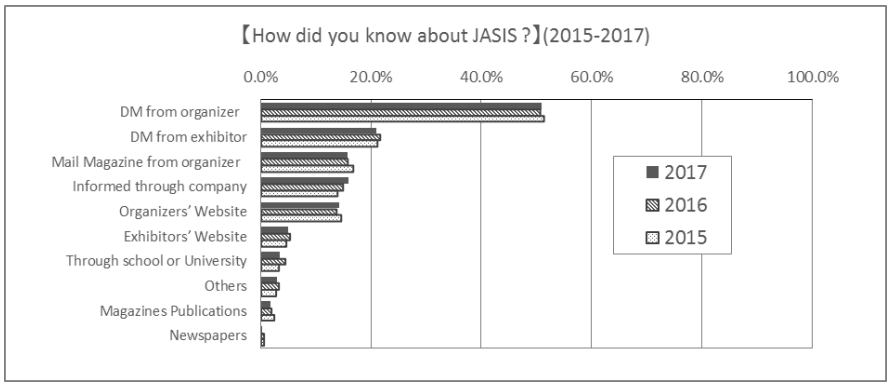
	JASIS2017		JASIS2016		JASIS2015	
Decision making position for selection & purchasing	1,048	20.3%	1,050	20.3%	1,044	21.1%
Advisory position for selection & Purchasing	2,781	53.7%	2,753	53.1%	2,671	54.0%
Others	1,285	24.8%	1,324	25.6%	1,232	24.9%
No Reply	60	1.2%	53	1.0%		0.0%
Total	5,174	100.0%	5,180	100.0%	4,947	100.0%



3. How did you know about JASIS ? (multiple choices)

	JASIS2017		JASIS2016		JASIS2015	
DM from organizer	2636	50.9%	2,615	50.5%	2,531	51.2%
Mail Magazine from organizer	818	15.8%	808	15.6%	825	16.7%
Organizers' Website	740	14.3%	704	13.6%	713	14.4%
DM from exhibitor	1089	21.0%	1,118	21.6%	1,038	21.0%
Exhibitors' Website	257	5.0%	270	5.2%	222	4.5%
Magazines Publications	95	1.8%	98	1.9%	114	2.3%
Newspapers	16	0.3%	25	0.5%	24	0.5%
Through school or University	181	3.5%	226	4.4%	161	3.3%
Informed through company	825	15.9%	768	14.8%	687	13.9%
Others	151	2.9%	167	3.2%	136	2.7%

JASIS 2017: Percentage is based on 5,174.
JASIS 2016: Percentage is based on 5,180.
JASIS 2015: Percentage is based on 4,947.

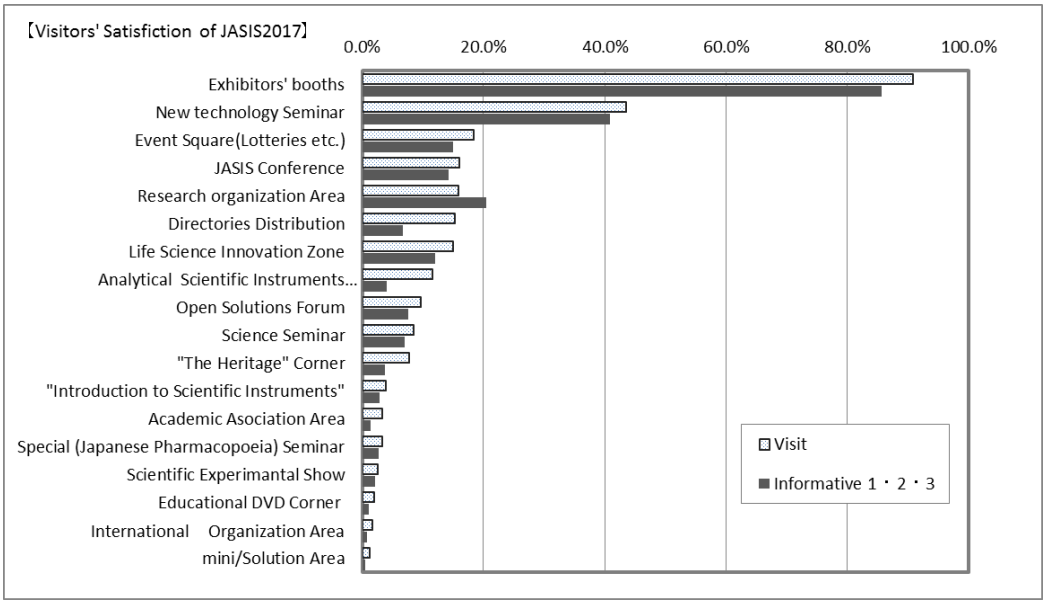


4. Where do (did or will) you visit in JASIS 2017 ? (multiple choice)

Please identify three areas you like most among the choices.

	JASIS2017				JASIS2016				JASIS2015			
	Visit		Informative 1・2・3		Visit		Informative 1・2・3		Visit		Informative 1・2・3	
Exhibitors' booths	4,700	90.8%	4,436	85.7%	4709	90.9%	3,877	74.8%	4,576	92.5%	4,116	83.2%
New technology Seminar	2,252	43.5%	2,113	40.8%	2249	43.4%	1,900	36.7%	2,708	54.7%	2,372	47.9%
Life Science Innovation Zone	772	14.9%	620	12.0%	823	15.9%	604	11.7%	897	18.1%	717	14.5%
Open Solutions Forum	497	9.6%	394	7.6%	371	7.2%	266	5.1%				
JASIS Conference	828	16.0%	737	14.2%	880	17.0%	690	13.3%	997	20.2%	835	16.9%
Science Seminar	437	8.4%	366	7.1%	414	8.0%	331	6.4%	504	10.2%	392	7.9%
Special (Japanese Pharmacopoeia) Seminar	168	3.2%	142	2.7%	238	4.6%	173	3.3%	263	5.3%	194	3.9%
"Introduction to Scientific Instruments"	197	3.8%	152	2.9%	177	3.4%	134	2.6%	336	6.8%	249	5.0%
Scientific Experimantal Show	131	2.5%	108	2.1%	135	2.6%	120	2.3%	233	4.7%	175	3.5%
International Organization Area	84	1.6%	41	0.8%	132	2.5%	61	1.2%	41	0.8%	29	0.6%
Research organization Area	815	15.8%	1,062	20.5%	1236	23.9%	1,058	20.4%	1,207	24.4%	835	16.9%
Academic Asociation Area	171	3.3%	69	1.3%	202	3.9%	109	2.1%	516	10.4%	355	7.2%
mini/Solution Area	58	1.1%	24	0.5%	57	1.1%	28	0.5%	195	3.9%	110	2.2%
"The Heritage" Corner	401	7.8%	192	3.7%	532	10.3%	320	6.2%	454	9.2%	288	5.8%
Directories Distribution	785	15.2%	351	6.8%	769	14.8%	338	6.5%	678	13.7%	326	6.6%
Analytical Scientific Instruments Compendium Distribution	597	11.5%	213	4.1%	652	12.6%	226	4.4%				
Event Square(Lotteries etc.)	947	18.3%	776	15.0%	1220	23.6%	843	16.3%	851	17.2%	473	9.6%
Educational DVD Corner	103	2.0%	57	1.1%	110	2.1%	57	1.1%	95	1.9%	49	1.0%

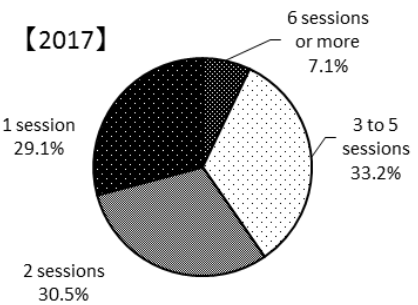
JASIS 2017: Percentage is based on 5,174.
JASIS 2016: Percentage is based on 5,180.
JASIS 2015: Percentage is based on 4,947.



5. About New Technology Seminars;

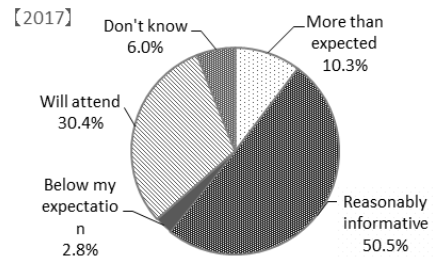
① How many sessions did (would) you attend ?

	JASIS2017		JASIS2016		JASIS2015	
6 sessions or more	190	7.1%	193	7.2%	220	8.2%
3 to 5 sessions	884	33.2%	920	34.3%	1,026	38.4%
2 sessions	812	30.5%	769	28.7%	714	26.7%
1 session	775	29.1%	797	29.7%	710	26.6%
Sub total	2,661	100.0%	2,679	100.0%	2,670	100.0%



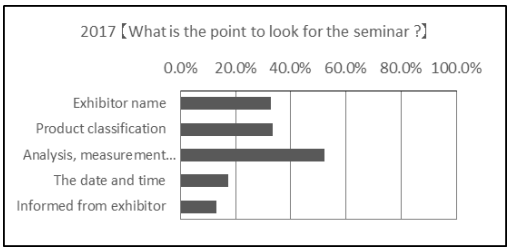
② For those who attended; How was it ?

	JASIS2017		JASIS2016		JASIS2015	
More than expected	284	10.3%	307	11.5%	251	9.4%
Reasonably informative	1387	50.5%	1347	50.3%	1,318	49.4%
Below my expectation	76	2.8%	79	2.9%	73	2.7%
Will attend	834	30.4%	774	28.9%	676	25.3%
Don't know	165	6.0%	171	6.4%	77	2.9%



③ What is the point to look for the seminar ? (multiple choice)

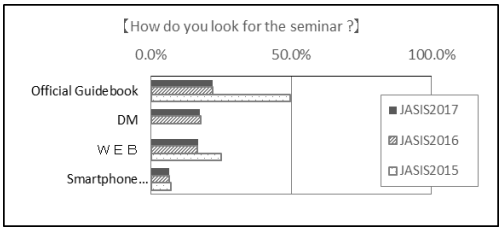
	JASIS2017		JASIS2016		JASIS2015	
Exhibitor name	906	34.0%	876	32.7%	676	25.3%
Product classification	915	34.4%	901	33.6%	342	12.8%
Analysis, measurement subject	1407	52.9%	1399	52.2%	1,789	67.0%
The date and time	554	20.8%	465	17.3%	342	12.8%
Informed from exhibitor	329	12.4%	350	13.1%		
Technical novelty					738	27.6%
Business efficiency improves					473	17.7%



④ How do you look for the seminar ? (multiple choice)

	JASIS2017		JASIS2016		JASIS2015	
Official Guidebook	1143	22.1%	1133	21.9%	2,445	49.4%
DM	908	17.5%	905	17.5%		
WEB	879	17.0%	849	16.4%	1,239	25.0%
Smartphone Application	336	6.5%	324	6.3%	340	6.9%

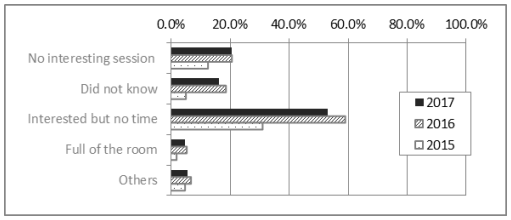
JASIS 2017: Percentage is based on 5,174.
JASIS 2016: Percentage is based on 5,180.
JASIS 2015: Percentage is based on 4,947.



⑤ What is the reason why you didn't attend the seminar ? (multiple choice)

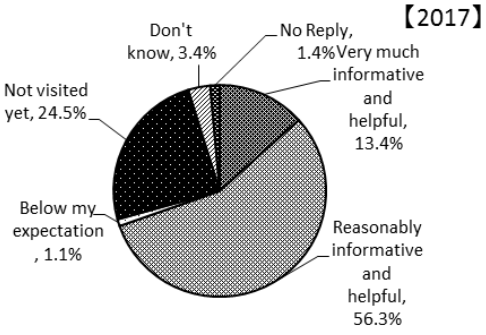
	JASIS2017		JASIS2016		JASIS2015	
No interesting session	556	20.6%	518	20.7%	291	12.8%
Did not know	434	16.1%	466	18.6%	119	5.2%
Interested but no time	1429	53.0%	1475	59.0%	705	31.0%
Full of the room	126	4.7%	138	5.5%	44	1.9%
Others	149	5.5%	174	7.0%	110	4.8%

Percentage is based on those who didn't attend the seminar.
JASIS 2017: 2,694. JASIS 2016: 2,499 JASIS 2015: 2,277



6. How do you evaluate JASIS 2017 in general ?

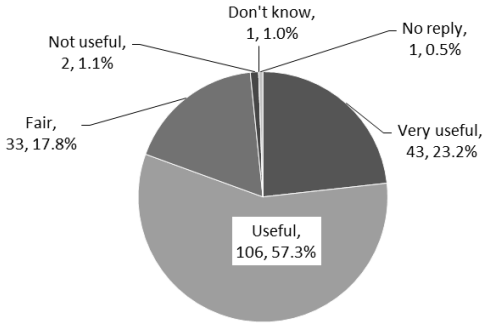
	JASIS2017		JASIS2016		JASIS2015	
Very much informative and helpful	692	13.4%	678	13.1%	634	12.8%
Reasonably informative and helpful	2,911	56.3%	2,938	56.7%	2,749	55.6%
Below my expectation	55	1.1%	46	0.9%	35	0.7%
Not visited yet	1,266	24.5%	1169	22.6%	1,387	28.0%
Don't know	175	3.4%	172	3.3%	124	2.5%
No Reply	75	1.4%	177	3.4%	18	0.4%
Total	5,174	100.0%	5,180	100.0%	4,947	100.0%



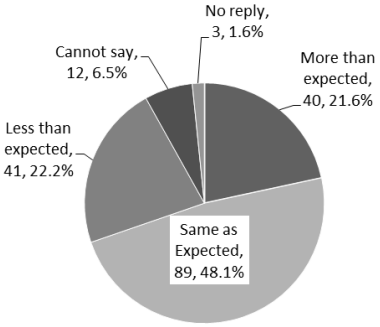
15. Questionnaire for Exhibitors

Questionnaire was carried out after the show to grasp needs and tendency of Japanese Exhibitors. The followings are the abstracts of it. (185 / 455 exhibitors)

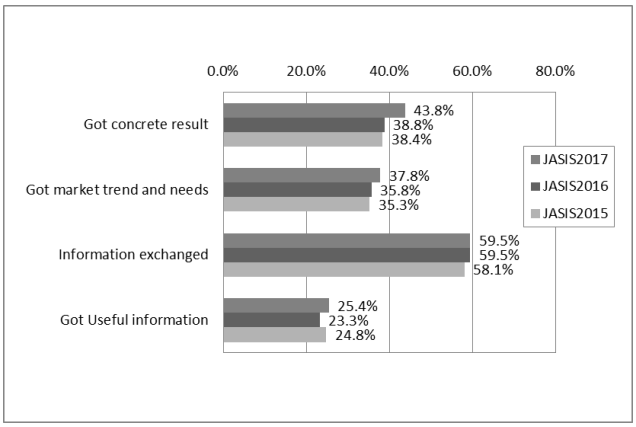
Was your exhibition at JASIS useful?



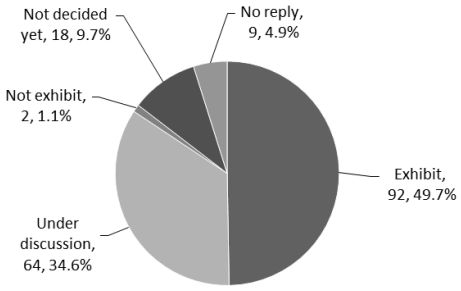
Number of visitors to your booth;



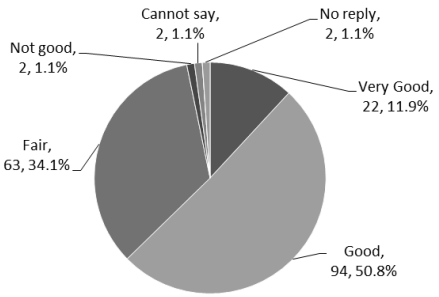
Result of your Exhibit



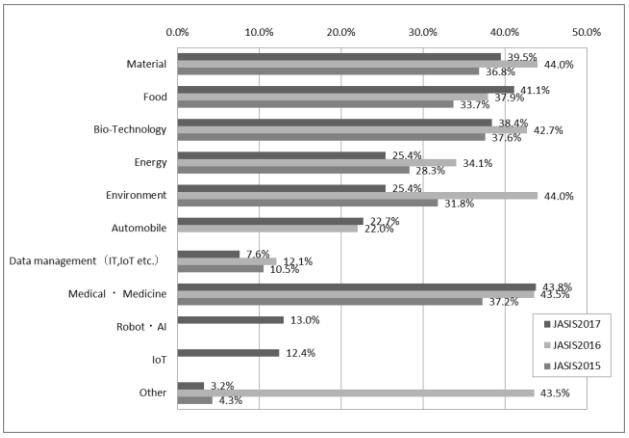
Do you intend to exhibit the JASIS next year?



About the Show general (booth layout etc.)

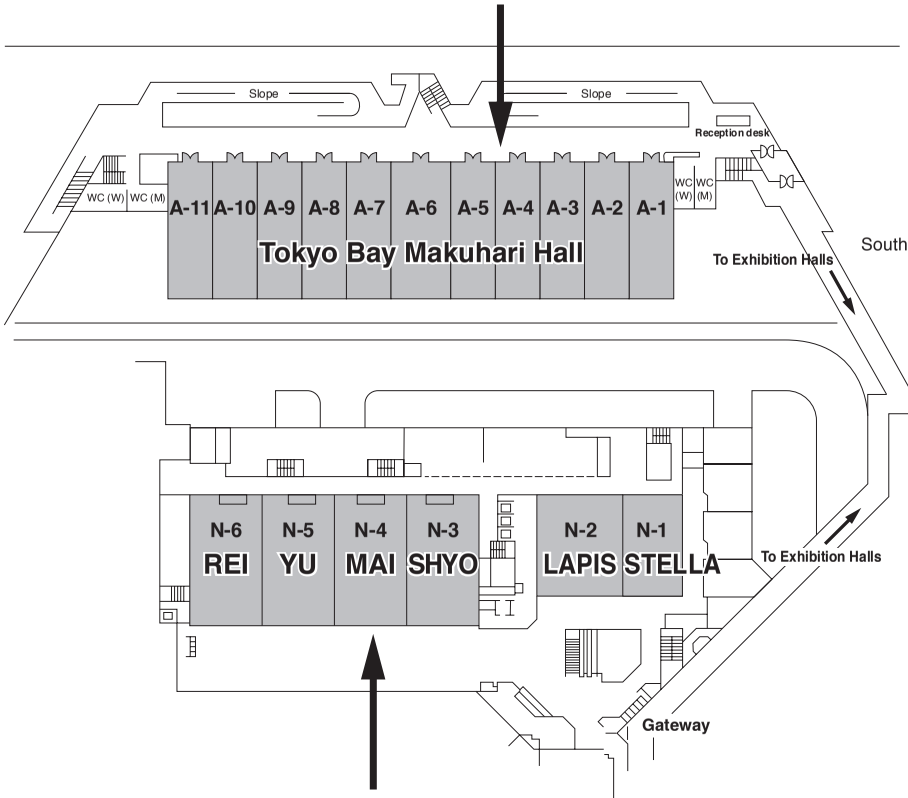


Themes you would like to pick up



Layout of the venue

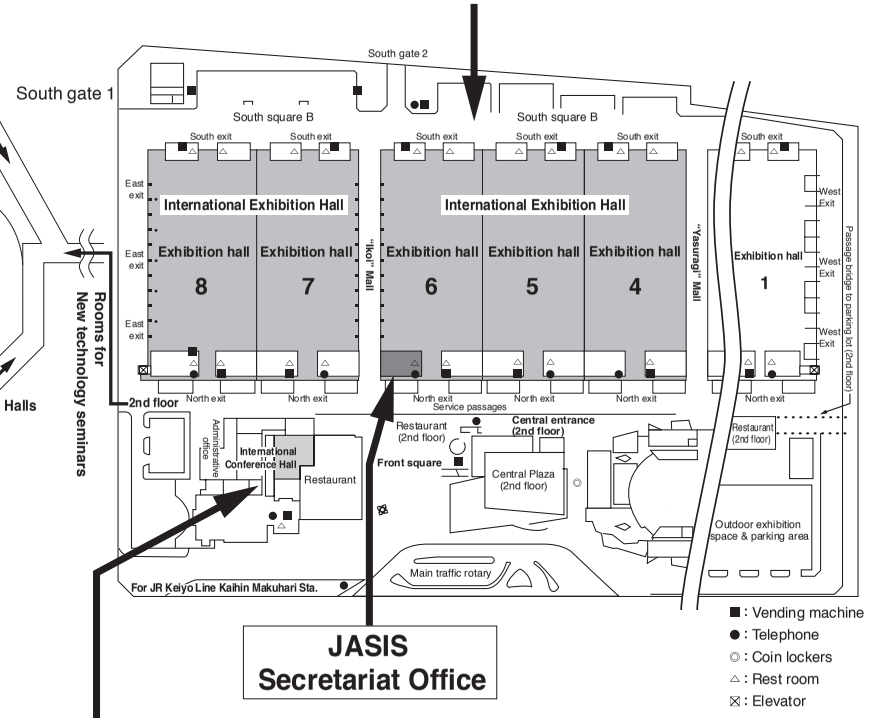
● **[JASIS_ New Technology Seminars] Room Section #1**
APA Hotel & Resort Tokyo Bay Makuhari (2nd floor)
Tokyo Bay Makuhari Hall, Rooms No. A-1 to A-11



● **[JASIS_ New Technology Seminars] Room Section #2**
Hotel New Otani Makuhari, 2nd Floor
STELLA(N-1), LAPIS(N-2), SHYO(N-3), MAI(N-4), YU(N-5), REI(N-6)

● **[JASIS 2017]**
Hall 4, 5, 6, 7 and 8 in the Makuhari Messe
International Exhibition Hall

- **Life Science Innovation Zone**
- **Open Solution Forum**
- **mini / Solution Area**
  mini / Solution Exhibition Area
  mini / Solution Catalogue Area
- **Research Organization Area**
- **Academic Association Area**
- **International Organization Area**
  (U.S. Pavilion, *etc.*)
- **Media & Press Area**



● **[JASIS Conferences]**
International Conference Hall in Makuhari Messe

[HALL 8] International Organizations Area

I-1	ECMI ITE Asia Sdn Bhd
I-2	China Association for Instrumental Analysis (CAIA)
I-3	Thailand Institute of Scientific and Technological Research(TISTR)
I-4	Cisile International Scientific Instrument and Laboratory Equipment Exhibition (CISILE 2018)
I-5	LAB INDONESIA

U.S.Pavilion

IU-1	U.S. Commercial Service, U.S. Embassy, Tokyo
IU-2	Iowa Economic Development Authority
IU-3	State of Oregon Japan Representative Office
IU-4	Economic Development Partnership of North Carolina Japan Office
IU-5	Commonwealth of Pennsylvania, Japan Investment Office
IU-6	PITTCON
IU-7	Titan Technologies K.K.

Canada Area

IC-1	Embassy of Canada
IC-2	Ontario International Trade and Investment Office
IC-3	Government of Alberta Canada

Czech Area

ICZ-1	Czech Scientific and Analytical Instruments Booth
ICZ-2	VYTEK Ltd.
ICZ-3	SVCS s.r.o.

KSIIC Area

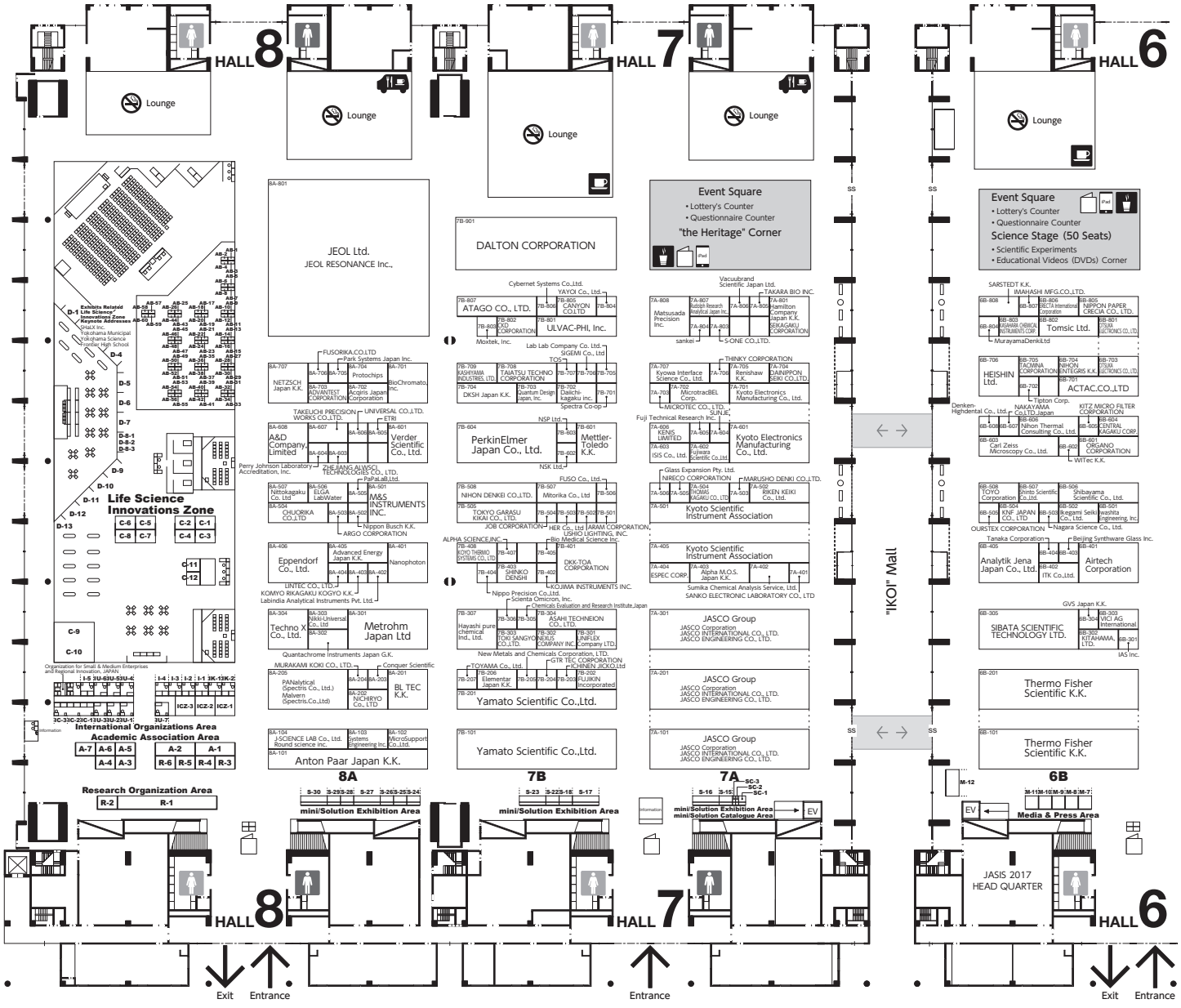
IK-1	Korea Scientific Instruments Industry Cooperative (KSIIC)
IK-2	Jeio Tech Co.,Ltd.

Organization for Small & Medium Enterprises and Regional Innovation, JAPAN

[HALL 8] Life Science Innovations Zone

C-1	BLAST Inc.
C-2	NOK CORPORATION
C-3	Hitachi High-Technologies Corporation
C-4	L.E. Technologies
C-5	LMS Co.,Ltd
C-6	MEDICATEC Inc.
C-7	Japan Multiplex bio-Analysis Consortium
C-8	Food Research Institute, NARO (National Agriculture and Food Research Organization)
C-9	BRIDGESTONE SPORTS CO., LTD.
C-10	
C-11	Japanese Association of Clinical Laboratory Systems
C-12	

AB-1	ULVAC COATING CORPORATION
AB-2	Cell Signaling Technology Japan, K.K.
AB-3	Chemicals Evaluation and Research Institute, Japan
AB-4	ifia/HFE JAPAN2018 FOOD CHEMICALS NEWSPAPER INC.
AB-5	DKK-TOA CORPORATION
AB-6	Japan Institute for the Control of Aging (JaICA)
AB-7	Kazusa DNA Research Institute
AB-8	a priori Inc.
AB-9	HORIBA, Ltd.
AB-10	Kinryo Electric CO., LTD.
AB-11	Eclipse Business Media Ltd.
AB-12	YMC CO., LTD.
AB-13	ULVAC, Inc.
AB-14	World Fusion Co., LTD
AB-15	Altif Laboratories Inc.
AB-16	Takasago Electric, Inc.



[HALL 8] Academic Association Area

A-1	TKK
A-2	PAI-NET(Professsionals' Network in Advanced Instrumentation Society)
A-3	Japan Accreditation Board (JAB)
A-4	Radiation Application Development Association
A-5	The Japan Society for Analytical Chemistry
A-6	The Spectroscopical Society of Japan
A-7	Japan Environmental Measurement and Chemical Analysis Association

[HALL 8] Research Organization Area

R-1	Chemicals Evaluation and Research Institute, Japan Chemical Standards Department
	National Metrology Institute of Japan(NMIJ)/National Institute of Advanced Industrial Science and Technology(AIST)
	National Institute of Technology and Evaluation International Accreditation Japan
R-2	National Institute of Technology, Fukushima College
R-3	Kanagawa University Faculty of Science Department of Chemistry Nishimoto Laboratory
R-4	National Institute for Materials Science
R-5	Kobe University Kimura research group
R-6	Administration Center for Promotion of Research, Organization for Promotion of Research, University of Toyama

[HALL 7] Kyoto Scientific Instrument Association

Orion Inc.
SOGO LABORATORY GLASS WORKS CO., LTD.
FUTA-Q,Ltd.
Kyoto Scientific Instrument Association
Kamimura Manufacturing.Co.,Ltd.
Kyoto Jushi-Seiko Co., Ltd.
Kyoto-Rikagaku-kikai Corporation
GLOBALLY TECH Co,Ltd
MIzuho Chemical Industries Co., Ltd
Yamazaki Seiki kenkyusho,Inc.
KEIJI PACK

[HALL 6] Media & Press Area

M-1	Digital Data Management Corporation
M-2	instrument.com.cn
M-3	OPTRONICS CO., Ltd.
M-4	NTS Inc.
M-5	The Science News
M-6	MARUZEN PUBLISHING CO., LTD
M-7	Nikkan Kogyo Publishing Production, Ltd.
M-8	The Chemical Daily Co., Ltd.
M-9	Industry and Environment Co. Ltd.
M-10	International Labmate
M-11	JAPAN INDUSTRIAL PUBLISHING CO., LTD.
M-12	Nikkei Science, Inc.

AB-17	ASAHI RUBBER INC.
AB-18	IR FEL Research Center, Research Institute for Science & Technology, Tokyo University of Science
AB-19	ProteinExpress Co.,Ltd.
AB-20	ForDx, Inc.
AB-21	ITES Co., Ltd.
AB-22	Forum for Innovative Regenerative Medicine
AB-23	Hitachi Chemical Techno Service Co.,Ltd.
AB-24	Kyodo International Inc.
AB-25	Biocosm Inc.
AB-26	Setsuro Tech Inc.
AB-27	ReproCELL, Inc.
AB-28	
AB-29	gumi co.,Ltd.
AB-30	

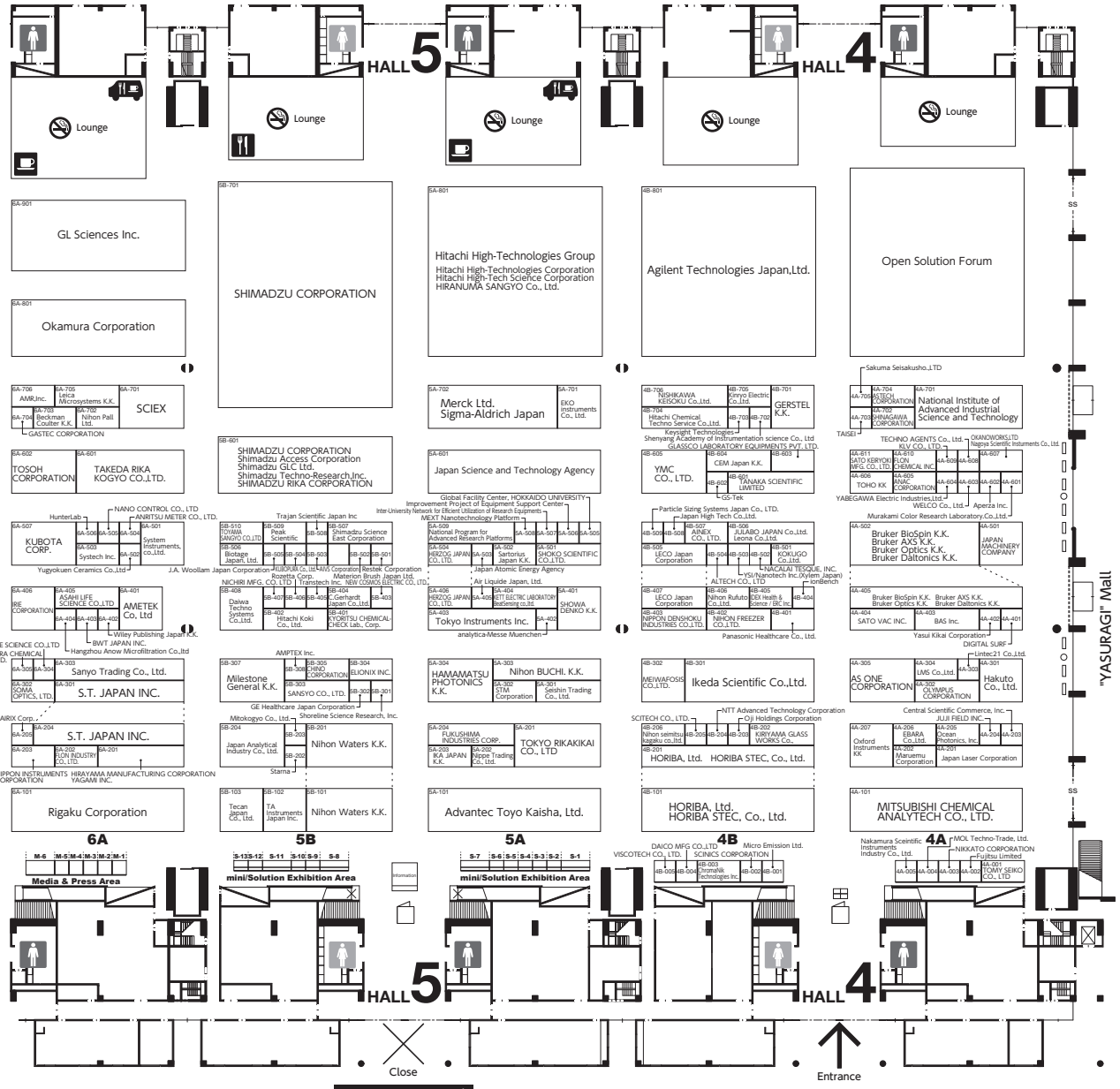
AB-31	KANTO CHEMICAL CO., INC.
AB-32	
AB-33	LPixel Inc.
AB-34	
AB-35	OncoTherapy Science, Inc.
AB-36	
AB-37	IWAKISHOUKOU
AB-38	
AB-39	Reseach Institute of Biomolecule Metrology Co., Ltd.
AB-40	
AB-41	SHIMADZU CORPORATION
AB-42	
AB-43	TechnoSuruga Laboratory Co.,Ltd.
AB-44	
AB-45	Northern Science Consulting Inc.
AB-46	

AB-47	Cornes Technologies Ltd.
AB-48	
AB-49	BioJapan / Regenerative Medicine Japan 2017
AB-50	
AB-51	Sony Imaging Products & Solutions Inc.
AB-52	
AB-53	JAPAN ASSOCIATION OF CLINICAL REAGENTS INDUSTRIES
AB-54	
AB-55	GENEWIZ JAPAN Corp.
AB-56	
AB-57	CEM Japan K.K.
AB-58	Jiho,Inc

D-1	Japan Aerospace Exploration Agency (JAXA)
D-4	Pharmaceutical 8 companies' Public offering corner
D-5	Research Institute of Systems Planning, Inc.
D-6	Emerging Technologies Corporation
D-7	BioAssociates,Inc.
D-8-1	TECHNO-PORT Inc.
D-8-2	BioDiscovery K.K.
D-8-3	BD Consulting,LLC
D-9	BioNet Laboratory Inc.
D-10	KOKEN CO.,LTD.
D-11	IRMAIL
D-12	YODOSHA CO.,LTD.
D-13	The Drug Discovery Plaza

Exhibits Related Life Science Innovations Zone Keynote Addresses
・SHaLX Inc.
・Yokohama Municipal Yokohama Science Frontier High School

JASIS 2017
Japan Analytical & Scientific Instruments Show



[HALL 5] mini/Solution Exhibition Area

S-1	QMAIL
S-2	ASCH JAPAN CO.,LTD
S-3	YAMAKIDENKI
S-4	Sun Instruments, Inc.
S-5	UNION CORPORATION
S-6	Kawaso Texcel Co., Ltd
S-7	Filmetrics Japan, Inc.
S-8	Spellman High Voltage Electronics Corporation
S-9	IWATA DENGYO CO.,LTD
S-10	Nihon Visual Science, Inc.
S-11	VACFIELD Co.,Ltd
S-12	Sumigomu Takasago Integrate, Ltd.
S-13	Soken Chemical & Engineering Co.,Ltd.

[HALL 7･8] mini/Solution Exhibition Area

S-15	Tokyo Dylec Corporation
S-16	AD Science Inc.
S-17	SysemBiotics
S-18	INNOVATION SCIENCE CO., LTD.
S-22	Neuberg Company Limited
S-23	Filgen, Inc.
S-24	KYOCERA Corporation
S-25	OhnaTech Inc.
S-26	Mie Prefecture Environmental Conservation Agency
S-27	Mel-Build Corporation
S-28	TOKYO M.I. CO., INC.
S-29	kanda gomu kagaku.co
S-30	Shinohara Electric Co., Ltd.

[HALL 7] mini/Solution Catalogue Area

SC-1	TAISEI Co., Ltd -Catalog Corner
SC-2	BEAMS, INC.
SC-3	TOPLAS ENGINEERING Co.,Ltd

S=1/800
2017.08.22

17. Exhibitors List

<General Exhibition>

A&D Company, Limited	8A-608
Acqiris Japan Corporation	8A-702
ACTAC.CO.,LTD	6B-701
Advanced Energy Japan K.K.	8A-405
Advantec Toyo Kaisha, Ltd.	5A-101
ADVANTEST CORPORATION	8A-703
Agilent Technologies Japan,Ltd.	4B-801
AINEX CO., LTD.	4B-507
Air Liquide Japan, Ltd.	5A-405
AIRIX Corp.	6A-205
Airtech Corporation	6B-401
AIVS Corporation	5B-503
Alpha M.O.S. Japan K.K.	7A-403
ALPHA SCIENCE,INC.	7B-407
ALTECH CO., LTD	4B-504
AMETEK Co, Ltd	6A-401
AMPTEK Inc.	5B-308
AMR,Inc.	6A-706
ANAC CORPORATION	4A-605
analytica-Messe Muenchen	5A-402
Analytik Jena Japan Co., Ltd.	6B-405
ANRITSU METER CO., LTD.	6A-504
Anton Paar Japan K.K.	8A-101
Aperza Inc.	4A-602
ARAM CORPORATION	7B-501
ARGO CORPORATION	8A-503
AS ONE CORPORATION	4A-305
ASAHI LIFE SCIENCE CO.,LTD	6A-405
ASAHI TECHNEION CO., LTD.	7B-304
ASTECH CORPORATION	4A-704
ATAGO CO., LTD.	7B-807
BAS Inc.	4A-403
BeatSensing co.,ltd.	5A-404
Beckman Coulter K.K.	6A-703
Beijing Synthware Glass Inc.	6B-403
Bio Medical Science Inc.	7B-405
BioChromato, Inc.	8A-701
Biotage Japan, Ltd.	5B-506
BL TEC K.K.	8A-201
Bruker AXS K.K.	4A-405、4A-502
Bruker BioSpin K.K.	4A-405、4A-502
Bruker Daltonics K.K.	4A-405、4A-502
Bruker Optics K.K.	4A-405、4A-502
BWT JAPAN INC.	6A-403
C.Gerhardt Japan Co.,Ltd.	5B-404
CANYON CO.LTD	7B-805
Carl Zeiss Microscopy Co., Ltd.	6B-603
CEM Japan K.K.	4B-604
CENTRAL KAGAKU CORP.	6B-604
Central Scientific Commerce, Inc.	4A-203
Chemicals Evaluation and Research Institute, Japan	7B-305
CHINO CORPORATION	5B-305
ChromaNik Technologies Inc.	4B-003
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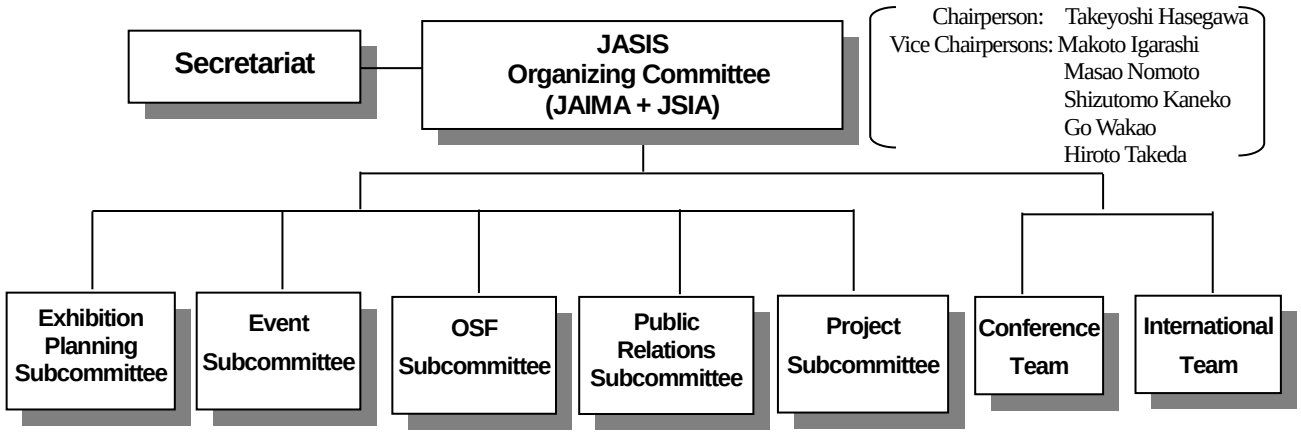

19. JASIS 2017 Organizing Committee

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