

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



JASIS
Japan Analytical & Scientific Instruments Show
2018

FINAL REPORT



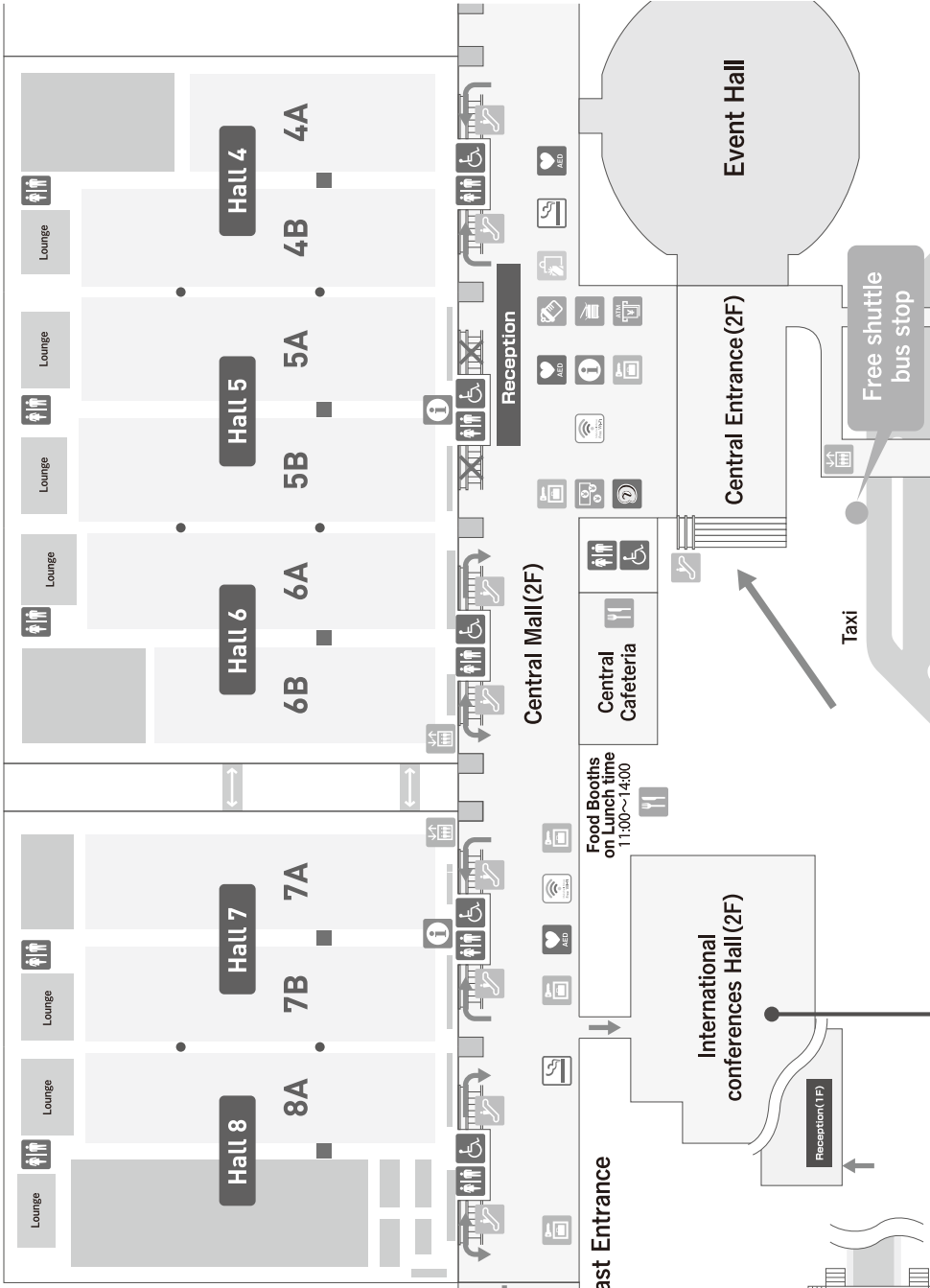
Japan Analytical Instruments Manufacturers' Association



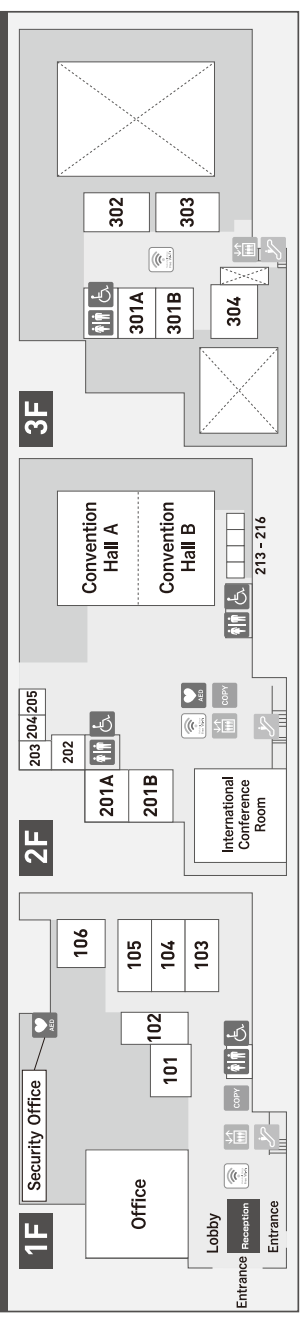
Japan Scientific Instruments Association

Facilities Guide

Exhibition Halls



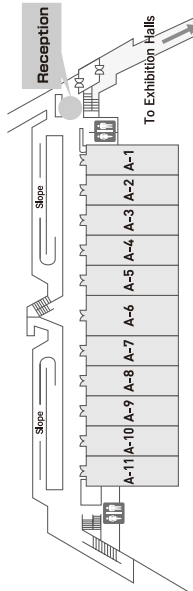
JASIS conferences



New Technology Presentation

Venue A

● APA Hotel & Resorts Tokyo Bay Makuhari 2F



Kokusai-odori St.

Venue N

● Hotel New Otani Makuhari 2F

Messe-odori St.

JR Kaihin Makuhari Sta.

- | | | |
|--------------------------------|----------------------------------|------------------------------|
| Information | Automated External Defibrillator | Nursing Room |
| Restroom | Restaurant, cafe | Cash Machine |
| Wheelchair Accessible Restroom | Convenience store | Change Machine |
| Escalator | Shop | Coin-operated Copy Machine |
| Elevator | Smoking Area | Refuge instruction signature |
| Free Wi-Fi | Coin-operated Lockers | Strut |

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1 . Summary of JASIS 2018

1. **Title** JASIS 2018
2. **Organizers** Japan Analytical Instruments Manufacturers' Association (JAIMA)
Japan Scientific Instruments Association (JSIA)
3. **Mission** Discover the Future.
4. **Dates** Exhibition: September 5 - 7 (3 days, Wed. - Fri.)
Conference: September 4 - 7 (4 days, Tue. - Fri.)
5. **Hours** 10:00 - 17:00
6. **Exhibit firms and booths**
Total: 494 companies · organizations / 1,462 booth units
7. **Number of visitors**
Total: 23,697 visitors (Day Before the Day 1: 1,494 visitors)
(Day 1: 7,663 visitors)
(Day 2: 8,024 visitors)
(Day 3: 7,861 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 Institute 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 Japan society for the advancement of inventions / The Physical 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 Chemical Society of Japan / 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 / The Vacuum Society of Japan / Japan Electric Measuring Instruments Manufacturers' Association / The Japanese Society for Non-Destructive Inspection / The Japanese Association for Non-Destructive Testing Industry / 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 : 75 companies, 102 booth units
- Open Solutions Forum: 6 Keynote Lectures and 18 Exhibitor Presentations
- Japan Science & Technology Agency Booth: 16 booth units
- National Institute of Advanced Industrial Science and Technology Booth: 12 booth units
- Mini/Solution Area: 32companies, 38 booth units
- Research Organization Area: 9 companies/organizations, 11 booth units
- Academic Association Area: 9 organizations, 12 booth units
- International Organization Area: 17 companies/organizations, 17 booth units
- Media & Press Area: 10 companies, 11 booth units
- Science Experimental Show / Introduction to Scientific Instruments / Educational DVD Corner

13. New Technology Presentations

Date: Sep. 5 (Wed.) - 7 (Fri.) 10:00 ~ 17:00

Venue: APA Hotel & Resort Makuhari / Hotel New Otani Makuhari

Number of companies / sessions: 98 companies / 352 sessions

Number of visitors: 16,017

14. Conferences

Date: Sep. 4 (Tue.) - 7 (Fri.)

Venue: International Conference Hall, Makuhari Messe

Number of groups / meetings : 37 groups / 52 sessions

Number of audience: 4,219

15. Japanese Pharmacopoeia Seminar

Date: Sep. 6 (Thu.), 14:00 - 16:00

Place: Convention Hall A, International Conference Hall

Number of audience: 406

16. Science Seminar

"The Science of Cooking - Mechanism of Processing, Heating, Seasoning and Preservation -"

Date: Sep. 7 (Fri.), 13:00 - 14:30

Place: Convention Hall A, International Conference Hall

Number of audience: 365

2. Number of visitors

1. Visitor number of JASIS each day

	JASIS2018	JASIS2017	JASIS2016
Day before the Day 1	149	194	498
Day 1: Sept. 5 (Wed.)	7,663	8,219	8,228
Day 2: Sept. 6 (Thu.)	8,024	8,291	7,136
Day 3: Sept. 7(Fri.)	7,861	8,152	8,519
Total	23,697	24,856	24,381

The duplication count by registration ID was completely eliminated and each ID was 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 has been applied since 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:

	JASIS2018	JASIS2017	JASIS2016
Day before the Day 1	149	194	498
Day 1: Sept. 5 (Wed.)	7,770	8,347	8,560
Day 2: Sept. 6 (Thu.)	9,915	10,171	9,071
Day 3: Sept. 7(Fri.)	10,369	10,680	11,247
Total	28,203	29,392	29,376

The flows of visitors were investigated and analyzed by the new counting system.

Around 90% of visitors who attended "New technology presentations" and "JASIS conference" also visited the exhibition halls.

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

	Sep. 5		Sep. 6		Sep. 7	
New technology seminars attendees (@APA Hotel)	1,657		2,106		2,263	
Exhibit visitors among them	1,598	96.4%	2,063	98.0%	2,199	97.2%
New technology seminars attendees (@New Otani Hotel)	959		1,228		1,550	
Exhibit visitors among them	915	95.4%	1,204	98.0%	1,496	96.5%
JASIS conferences attendees (@International Conference Hall)	1,103		1,948		1,512	
Exhibit visitors among them	1,002	90.8%	1,731	88.9%	1,294	85.6%

3. Visitors' Profile

The visitor profile analysis was performed based on admission registration forms filled out by the 23,697 exhibition visitors. The following four points are year-by-year visitor characteristics 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 Tokyo and its surrounded areas reached to more than 75% of attendance.
3. Visitors were from all categories of industry, with no single industry dominating.

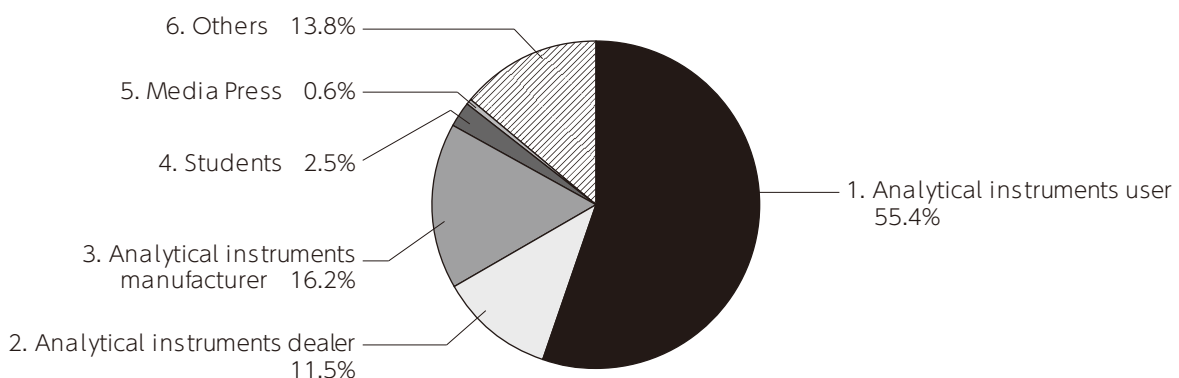
The following industries had relatively high presentation ratios at about 6 to 17%:

Electronics, Electric, Machinery / Trading companies / Technical service (analysis, testing, inspection) / Chemical products (ink, paint, pesticide, aromatics) / government offices, public institutions / Pharma chemicals, Reagents, Cosmetics / Foods.

4. Breakdown of job classifications: R&D: about 29%; sales: about 19%; Analysis / testing / inspection / measurement: about 19%; production / manufacturing / quality control: about 8%.

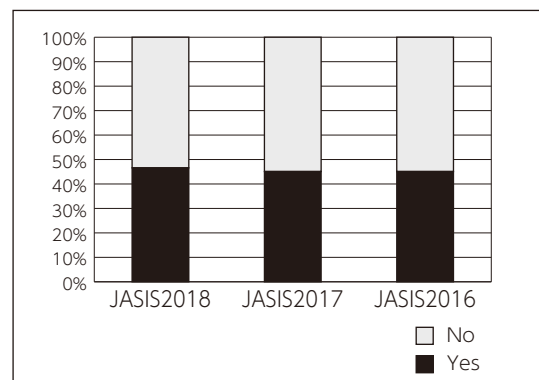
1. Visitor Classifications

	2018						2017		2016	
	Sept. 4	Sept. 5	Sept. 6	Sept. 7	Total	%	Total	%	Total	%
1. Analytical instruments user	99	3,828	4,579	4,629	13,135	55.4%	13,042	52.5%	12,358	50.7%
2. Analytical instruments dealer		1,026	879	819	2,724	11.5%	2,980	12.0%	3,008	12.3%
3. Analytical instruments manufacturer	41	1,401	1,277	1,124	3,843	16.2%	4,030	16.2%	4,330	17.8%
4. Students	6	192	258	134	590	2.5%	826	3.3%	773	3.2%
5. Media Press		74	36	35	145	0.6%	197	0.8%	153	0.6%
6. Others	3	1,142	995	1,120	3,260	13.8%	3,781	15.2%	3,759	15.4%
Total	149	7,663	8,024	7,861	23,697	100.0%	24,856	100.0%	24,381	100.0%



2. Did you visit JASIS last year?

	JASIS2018		JASIS2017		JASIS2016	
	Total	%	Total	%	Total	%
Yes	11,053	46.6%	11,211	45.1%	10,989	45.1%
No	12,644	53.4%	13,645	54.9%	13,392	54.9%
Total	23,697	100.0%	24,856	100.0%	24,381	100.0%



3. Classification by Regions

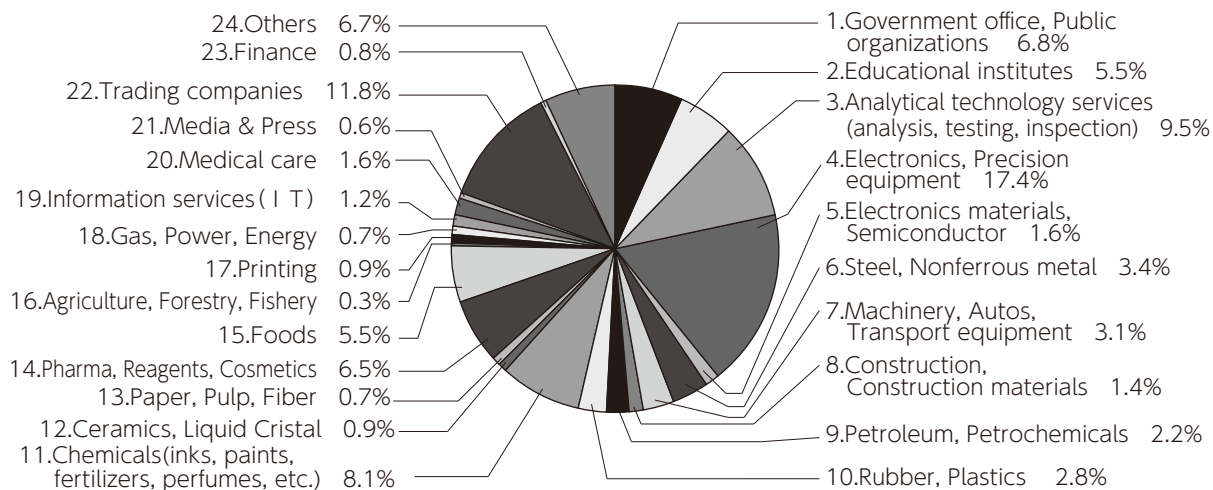
	JASIS2018						JASIS2017		JASIS2016	
	Sep. 4	Sep. 5	Sep. 6	Sep. 7	Total	%	Tottal	%	Total	%
1.Tokyo	46	2,681	2,580	2,627	7,934	33.5%	8,407	33.8%	8,639	35.4%
2.Kanagawa	13	1,041	1,090	1,120	3,264	13.8%	3,307	13.3%	3,250	13.3%
3.Chiba	13	715	750	876	2,354	9.9%	2,426	9.8%	2,370	9.7%
4.Saitama	4	550	607	647	1,808	7.6%	1,897	7.6%	1,842	7.6%
5.Ibaraki	23	436	493	638	1,590	6.7%	1,579	6.4%	1,555	6.4%
6.Tochigi		92	103	106	301	1.3%	343	1.4%	323	1.3%
7.Gunma		93	99	116	308	1.3%	278	1.1%	303	1.2%
8.Yamanashi		26	47	49	122	0.5%	134	0.5%	134	0.5%
9.Nagano	2	51	81	73	207	0.9%	204	0.8%	237	1.0%
10.Niigata		29	39	38	106	0.4%	127	0.5%	112	0.5%
Subtotal	101	5,714	5,889	6,290	17,994	75.9%	18,702	75.2%	18,765	77.0%
11.Aichi	4	147	248	211	610	2.6%	601	2.4%	548	2.2%
12.Shizuoka	3	168	241	251	663	2.8%	645	2.6%	614	2.5%
13.Gifu		16	27	26	69	0.3%	87	0.4%	71	0.3%
14.Mie		31	49	38	118	0.5%	144	0.6%	102	0.4%
15.Ishikawa	2	15	30	8	55	0.2%	52	0.2%	69	0.3%
16.Toyama		38	52	38	128	0.5%	127	0.5%	110	0.5%
17.Fukui		8	24	15	47	0.2%	46	0.2%	45	0.2%
Subtotal	9	423	671	587	1,690	7.1%	1,702	6.8%	1,559	6.4%
18.Osaka	5	248	298	230	781	3.3%	909	3.7%	910	3.7%
19.Kyoto	18	289	296	206	809	3.4%	792	3.2%	841	3.4%
20.Shiga	4	37	63	57	161	0.7%	169	0.7%	126	0.5%
21.Hyogo	1	94	102	84	281	1.2%	324	1.3%	283	1.2%
22.Nara		4	12	15	31	0.1%	54	0.2%	38	0.2%
23.Wakayama		9	6	4	19	0.1%	26	0.1%	33	0.1%
Subtotal	28	681	777	596	2,082	8.8%	2,274	9.1%	2,231	9.2%
24.Ehime		27	18	7	52	0.2%	63	0.3%	45	0.2%
25.Kagawa		17	15	1	33	0.1%	36	0.1%	29	0.1%
26.Kochi		3	4	1	8	0.0%	17	0.1%	14	0.1%
27.Tokushima		13	10	12	35	0.1%	29	0.1%	26	0.1%
Subtotal	0	60	47	21	128	0.5%	145	0.6%	114	0.5%
28.Iwate		7	13	7	27	0.1%	26	0.1%	44	0.2%
29.Miyagi	3	46	58	49	156	0.7%	131	0.5%	151	0.6%
30.Yamagata		21	37	29	87	0.4%	97	0.4%	66	0.3%
31.Akita	1	15	11	10	37	0.2%	41	0.2%	39	0.2%
32.Aomori		10	16	7	33	0.1%	25	0.1%	29	0.1%
33.Fukushima		54	76	85	215	0.9%	226	0.9%	208	0.9%
34.Hokkaido	2	39	20	7	68	0.3%	106	0.4%	106	0.4%
Subtotal	6	192	231	194	623	2.6%	652	2.6%	643	2.6%
35.Okayama		32	38	33	103	0.4%	102	0.4%	96	0.4%
36.Hiroshima		25	48	22	95	0.4%	127	0.5%	99	0.4%
37.Yamaguchi	2	26	32	16	76	0.3%	72	0.3%	68	0.3%
38.Tottori		4	5	3	12	0.1%	14	0.1%	8	0.0%
39.Shimane		5	1		6	0.0%	17	0.1%	11	0.0%
Subtotal	2	92	124	74	292	1.2%	332	1.3%	282	1.2%
40.Hukuoka	1	72	47	29	149	0.6%	154	0.6%	137	0.6%
41.Saga		14	10	2	26	0.1%	26	0.1%	25	0.1%
42.Nagasaki	1	5	8	2	16	0.1%	15	0.1%	17	0.1%
43.Kumamoto		32	26	13	71	0.3%	58	0.2%	52	0.2%
44.Oita		12	19	3	34	0.1%	30	0.1%	29	0.1%
45.Miyazaki		9	6	4	19	0.1%	26	0.1%	20	0.1%
46.Kagoshima		7	5	6	18	0.1%	17	0.1%	14	0.1%
47.Okinawa		14	10	4	28	0.1%	21	0.1%	18	0.1%
Subtotal	2	165	131	63	361	1.5%	347	1.4%	312	1.3%
Japan Total	148	7,327	7,870	7,825	23,170	97.8%	24,154	97.2%	23,906	98.1%
Overseas	1	336	154	36	527	2.2%	702	2.8%	475	1.9%
Total	149	7,663	8,024	7,861	23,697	100.0%	24,856	100.0%	24,381	100.0%

Classification by Country, Ranking Top10

	JASIS2018		JASIS2017		JASIS2016	
	Country	Number of visitors	Country	Number of visitors	Country	Number of visitors
1位	South Korea	205	South Korea	223	South Korea	186
2位	China	142	China	157	China	116
3位	Taiwan	60	Taiwan	142	Taiwan	44
4位	U.S.A.	21	U.S.A.	48	U.S.A.	25
5位	Thailand	17	Thailand	18	Vietnam	10
6位	United Kingdom	9	India	13	Indonesia	9
7位	Germany	6	Hong Kong	11	Singapore	9
7位	Malaysia	6	United Kingdom	11	Myanmar	8
9位	France	5	Singapore	10	Thailand	8
9位	Indonesia	5	Russia	7	Italy	5
9位	Italy	5	Vietnam	7	Malaysia	5
9位	Singapore	5			United Kingdom	5
	Other	41	Other	55	Other	45
	Total	527	Total	702	Total	475

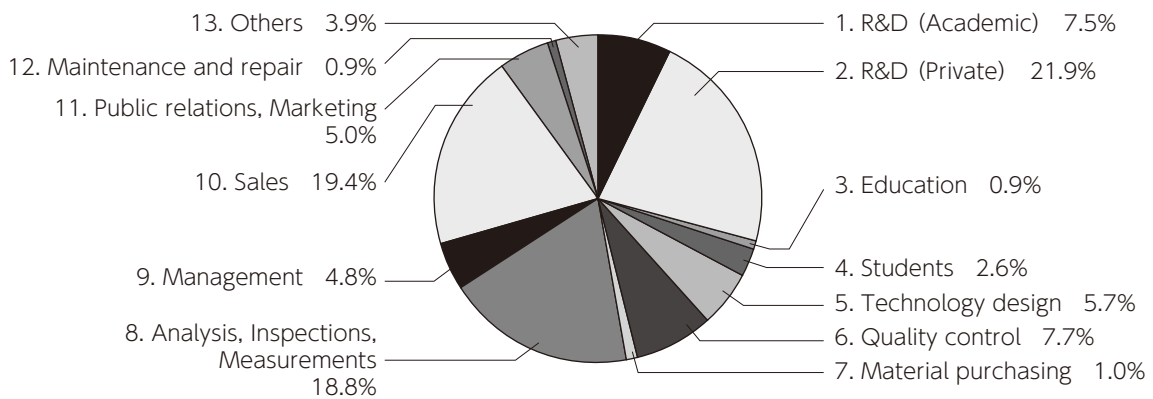
4. Classification by Industries

	JASIS2018		JASIS2017		JASIS2016	
	Total	%	Total	%	Total	%
1. Government office, Public organizations	1,611	6.8%	1,668	6.7%	1,624	6.7%
2. Educational institutes	1,306	5.5%	1,498	6.0%	1,452	6.0%
3. Analytical technology services (analysis, testing, inspection)	2,252	9.5%	2,223	8.9%	2,143	8.8%
4. Electronics, Precision equipment	4,119	17.4%	4,277	17.2%	4,382	18.0%
5. Electronics materials, Semiconductor	390	1.6%	435	1.8%	374	1.5%
6. Steel, Nonferrous metal	814	3.4%	774	3.1%	784	3.2%
7. Machinery, Autos, Transport equipment	741	3.1%	722	2.9%	751	3.1%
8. Construction, Construction materials	322	1.4%	316	1.3%	343	1.4%
9. Petroleum, Petrochemicals	510	2.2%	454	1.8%	499	2.0%
10. Rubber, Plastics	667	2.8%	712	2.9%	713	2.9%
11. Chemicals (inks, paints, fertilizers, perfumes, etc.)	1,923	8.1%	1,876	7.5%	1,757	7.2%
12. Ceramics, Liquid Cristal	217	0.9%	256	1.0%	213	0.9%
13. Paper, Pulp, Fiber	166	0.7%	167	0.7%	165	0.7%
14. Pharma, Reagents, Cosmetics	1,552	6.5%	1,540	6.2%	1,477	6.1%
15. Foods	1,295	5.5%	1,322	5.3%	1,203	4.9%
16. Agriculture, Forestry, Fishery	70	0.3%	88	0.4%	76	0.3%
17. Printing	212	0.9%	245	1.0%	215	0.9%
18. Gas, Power, Energy	169	0.7%	165	0.7%	138	0.6%
19. Information services (I T)	280	1.2%	334	1.3%	315	1.3%
20. Medical care	383	1.6%	403	1.6%	428	1.8%
21. Media & Press	148	0.6%	190	0.8%	146	0.6%
22. Trading companies	2,786	11.8%	3,142	12.6%	3,150	12.9%
23. Finance	180	0.8%	227	0.9%	231	0.9%
24. Others	1,584	6.7%	1,822	7.3%	1,802	7.4%
Total	23,697	100.0%	24,856	100.0%	24,381	100.0%



5. Classification by occupation

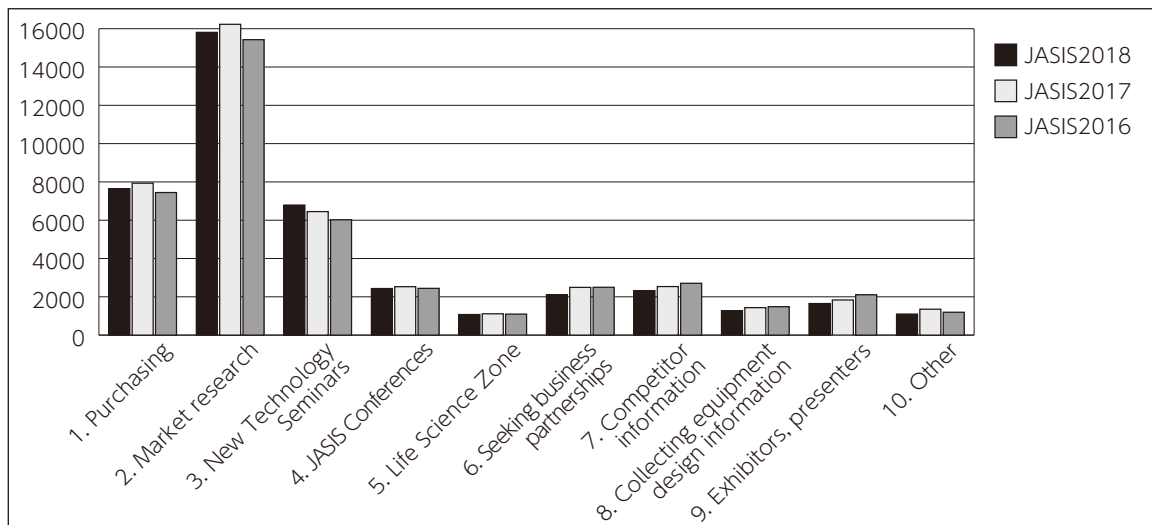
	JASIS2018		JASIS2017		JASIS2016	
	Total	%	Total	%	Total	%
1. R&D (Public, Academic)	1,769	7.5%	1,844	7.4%	1,806	7.4%
2. R&D (Private)	5,179	21.9%	5,093	20.5%	4,834	19.8%
3. Education	204	0.9%	222	0.9%	166	0.7%
4. Students	610	2.6%	794	3.2%	776	3.2%
5. Technology design	1,349	5.7%	1,411	5.7%	1,411	5.8%
6. Quality control	1,813	7.7%	1,772	7.1%	1,636	6.7%
7. Material purchasing	238	1.0%	252	1.0%	252	1.0%
8. Analysis, Inspections, Measurements	4,448	18.8%	4,453	17.9%	4,267	17.5%
9. Management	1,142	4.8%	1,196	4.8%	1,254	5.1%
10. Sales	4,605	19.4%	5,189	20.9%	5,504	22.6%
11. Public relations, Marketing	1,193	5.0%	1,317	5.3%	1,305	5.4%
12. Maintenance and repair	224	0.9%	240	1.0%	226	0.9%
13. Others	923	3.9%	1,073	4.3%	944	3.9%
Total	23,697	100.0%	24,856	100.0%	24,381	100.0%



6. Major purpose to visit JASIS

	JASIS2018		JASIS2017		JASIS2016	
	Total	%	Total	%	Total	%
1. Information to purchase analytical/scientific instruments	7,641	32.2%	7,933	31.9%	7,445	30.5%
2. Market research over analytical / scientific instruments	15,810	66.7%	16,230	65.3%	15,427	63.3%
3. to attend new technology seminars / OSF	6,790	28.7%	6,450	25.9%	6,022	24.7%
4. to attend international conferences	2,432	10.3%	2,528	10.2%	2,442	10.0%
5. to visit LSZ	1,074	4.5%	1,113	4.5%	1,097	4.5%
6. Seeking business partnerships	2,114	8.9%	2,492	10.0%	2,498	10.2%
7. Collecting competitors information	2,323	9.8%	2,535	10.2%	2,707	11.1%
8. Information to design analytical/scientific instruments	1,276	5.4%	1,435	5.8%	1,484	6.1%
9. Exhibitors, Presenters	1,648	7.0%	1,835	7.4%	2,105	8.6%
10. Other	1,098	4.6%	1,353	5.4%	1,194	4.9%

The denominators are the total numbers of respondents in respective years.
 2018: 23,697 2017: 24,856 2016: 24,381.



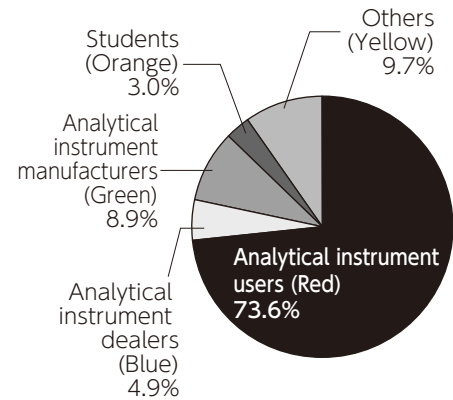
4. Questionnaire for Visitors

Outline of questionnaire

3,962 visitors' questionnaire was obtained during 3 days at the questionnaire counters in the Event Square of Hall 6 and Hall 7.

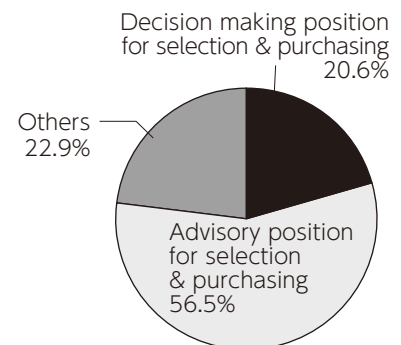
1. Classification by the colors of registration cards

	JASIS2018		JASIS2017		JASIS2016	
Analytical instrument user (Red)	2,917	73.6%	3,590	69.4%	3,540	68.3%
Analytical instrument dealer (Blue)	194	4.9%	353	6.8%	380	7.3%
Analytical instrument manufacturer (Green)	351	8.9%	511	9.9%	513	9.9%
Student (Orange)	117	3.0%	183	3.5%	252	4.9%
Others (Yellow)	383	9.7%	537	10.4%	495	9.6%
Total	3,962	100.0%	5,174	100.0%	5,180	100.0%



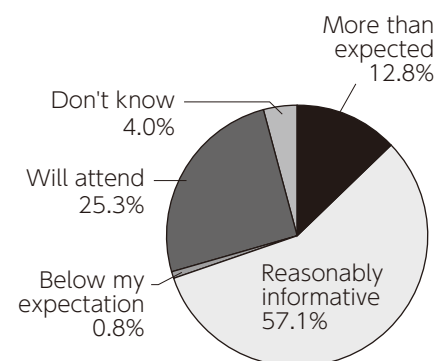
2. Are you in the position to make purchasing decision for analytical instruments?

	JASIS2018		JASIS2017		JASIS2016	
Decision making position for selection & purchasing	818	20.6%	1,048	20.3%	1,050	20.2%
Advisory position for selection & purchasing	2,237	56.5%	2,781	53.7%	2,753	53.2%
Others	907	22.9%	1,345	26.0%	1,377	26.6%
Total	3,962	100.0%	5,174	100.0%	5,180	100.0%



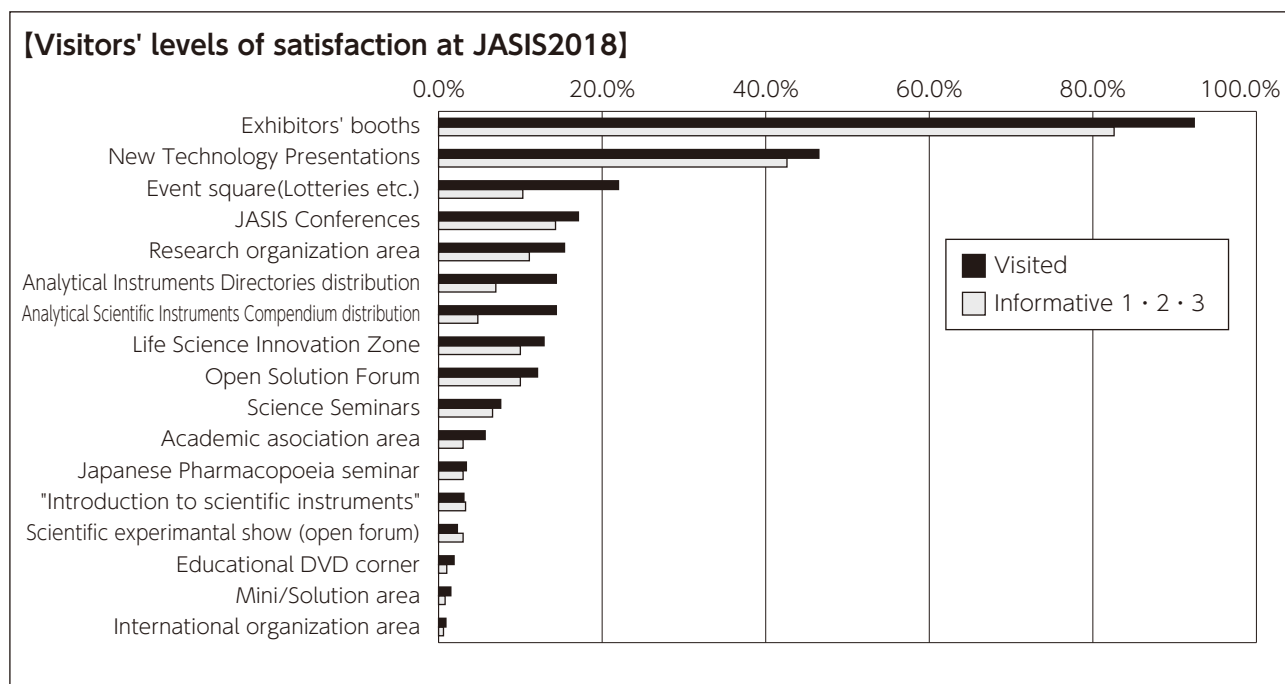
3. How do you evaluate JASIS 2018 in general?

	JASIS2018		JASIS2017		JASIS2016	
More than expected	506	12.8%	692	13.4%	678	13.1%
Reasonably informative	2,262	57.1%	2,911	56.3%	2,938	56.7%
Below my expectation	31	0.8%	55	1.1%	46	0.9%
Will attend	1,003	25.3%	1,266	24.5%	1,169	22.6%
Don't know	160	4.0%	250	4.8%	349	6.7%
Total	3,962	100.0%	5,174	100.0%	5,180	100.0%



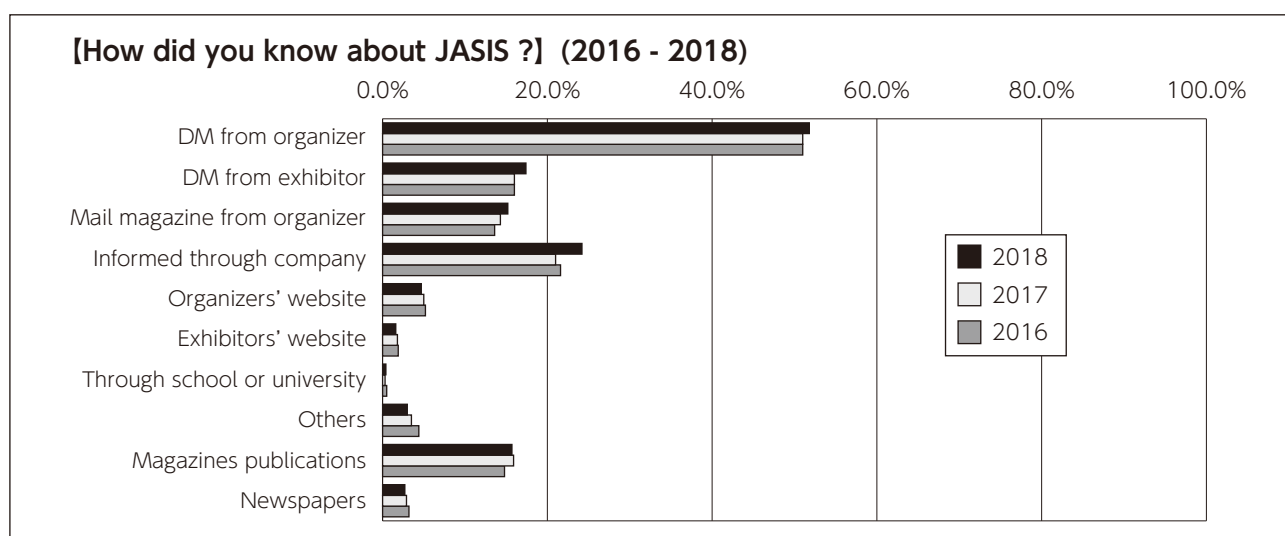
4. Where do (did or will) you visit in JASIS 2018? (multiple choices)

Please identify three areas you like most among the choices.



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

	JASIS2018		JASIS2017		JASIS2016	
DM from organizer	2,054	51.8%	2,636	50.9%	2,615	50.5%
Mail magazine from organizer	691	17.4%	818	15.8%	808	15.6%
Organizers' website	603	15.2%	740	14.3%	704	13.6%
DM from exhibitor	960	24.2%	1,089	21.0%	1,118	21.6%
Exhibitors' website	187	4.7%	257	5.0%	270	5.2%
Magazines publications	64	1.6%	95	1.8%	98	1.9%
Newspapers	17	0.4%	16	0.3%	25	0.5%
Through school or university	117	3.0%	181	3.5%	226	4.4%
Informed through company	622	15.7%	825	15.9%	768	14.8%
Others	108	2.7%	151	2.9%	167	3.2%



5. Scale of Exhibition

JASIS 2018 hosted 494 companies and organizations, 1,462 booths with 34,000m² exhibit space. Among the 1,462 booths, 1,273 were general 3m x 3m size booths for exhibiting their own products, accounting for 87.1%. 163 booths or 11.1% were used for Life Science Innovation Zone, mini/Solution Area, Research Organizations Area, Academic Association Area, and others. In the total 494 companies and organizations, sponsor (JAIMA or JSIA) member corporations comprised 232 companies (47.0%), while non-member exhibitors comprised a total of 262 companies (53.0%), signaling a wide open door for non-member exhibitors.

The number of overseas exhibitors is amounting to 42 companies and 44 booths from 16 countries. (2017: 41 companies, 44 booths, 13 countries.)

• Exhibitors classified by member company or not

	Number of booths				Numbers of companies/organizations			
	JASIS 2018	Compared to 2017	JASIS 2017	JASIS 2016	JASIS 2018	Compared to 2017	JASIS 2017	JASIS 2016
JAIMA/JSIA members	1,063	95.8%	1110	1094	232	92.4%	251	253
Non member (JAPAN)	143	108.3%	132	146	82	97.6%	84	90
Non member (Overseas)	26	100.0%	26	18	22	95.7%	23	15
Public Organizations, etc.	41	113.9%	36	35	8	88.9%	9	8
Mini/Solution Area	38	95.0%	40	34	32	103.2%	31	28
Life Innovation Zone	102	117.2%	87	88	75	113.6%	66	66
Sub total	1,413	98.7%	1431	1415	451	97.2%	464	460
Other Areas	49	104.3%	47	53	43	102.4%	42	44
Total	1,462	98.9%	1478	1468	494	97.6%	506	504

• Overseas exhibitors classified by booth types

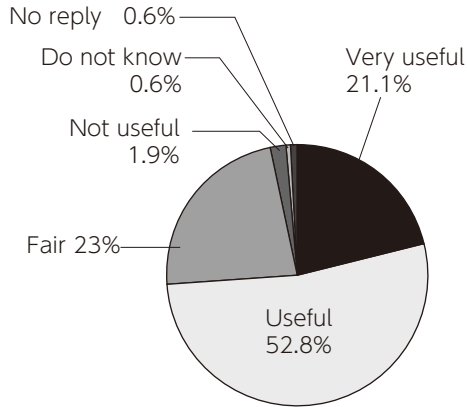
	Number of companies/organizations / countries		
	JASIS 2018	JASIS 2017	JASIS 2016
General Booth	22 companies 26 booth / 11 countries	23 companies 26 booths / 9 countries	15 companies 18 booths / 6 countries
Mini/Solution Area	3 companies 3 booths / 3 countries	1 company 1 booth / 1 country	2 companies 2 booths / 2 countries
Life Science Innovation Zone	4 companies 4 booths / 3 countries	-	-
International Organization Area	12 companies 12 booths / 6 countries	15 companies · organizations 15 booths / 7 countries	15 companies · organizations 15 booths / 8 countries
Media & Press Area	2 companies 2 booths / 2 countries	2 companies 2 booths / 2 countries	2 companies 2 booths / 2 countries
Total	42 companies 44 booths / 16 countries	41 companies · organizations 44 booths / 13 countries	34 companies · organizations 37 booths / 8 countries



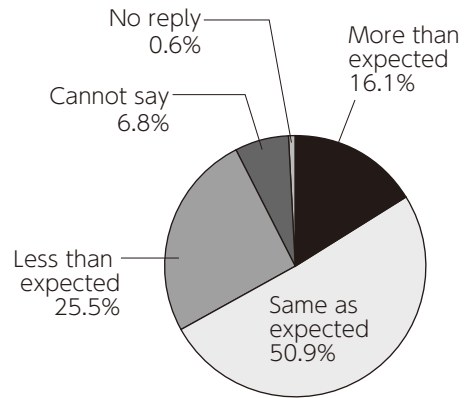
6. Questionnaire for Exhibitors

Followings are the questionnaire response from Japanese exhibitors (161 exhibitors, 41.6% of total exhibitors)

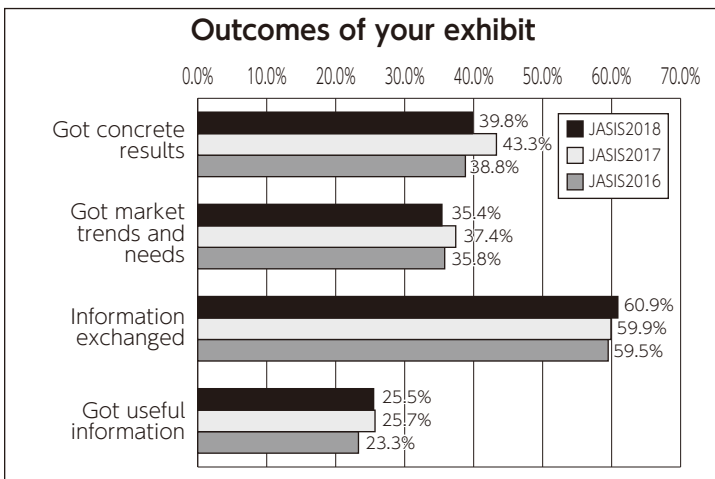
Was your exhibition at JASIS useful?



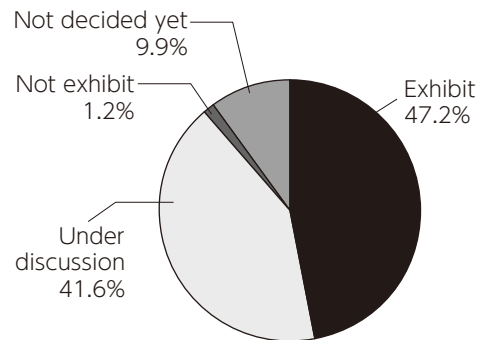
Number of visitors to your booth



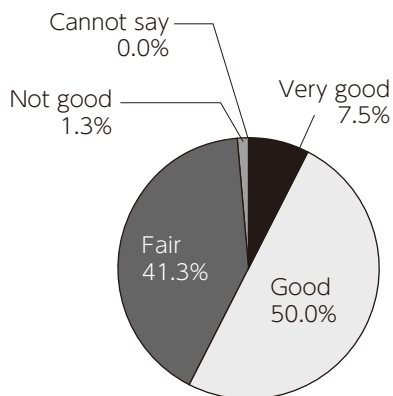
Outcomes of your exhibit



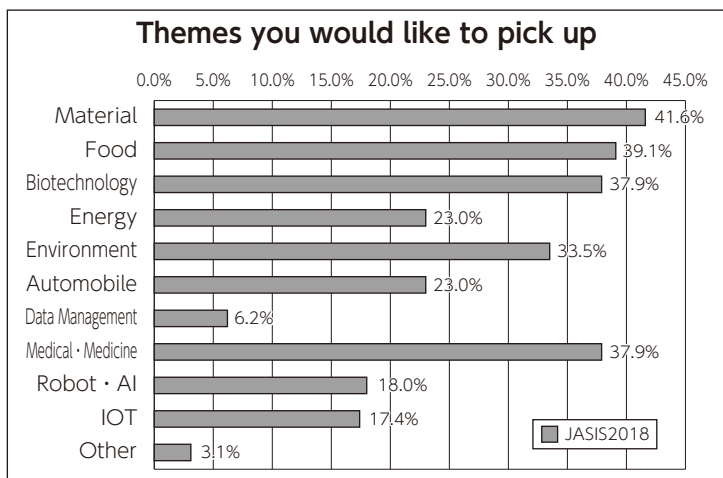
Do you intend to exhibit in JASIS next year?



About the show in general



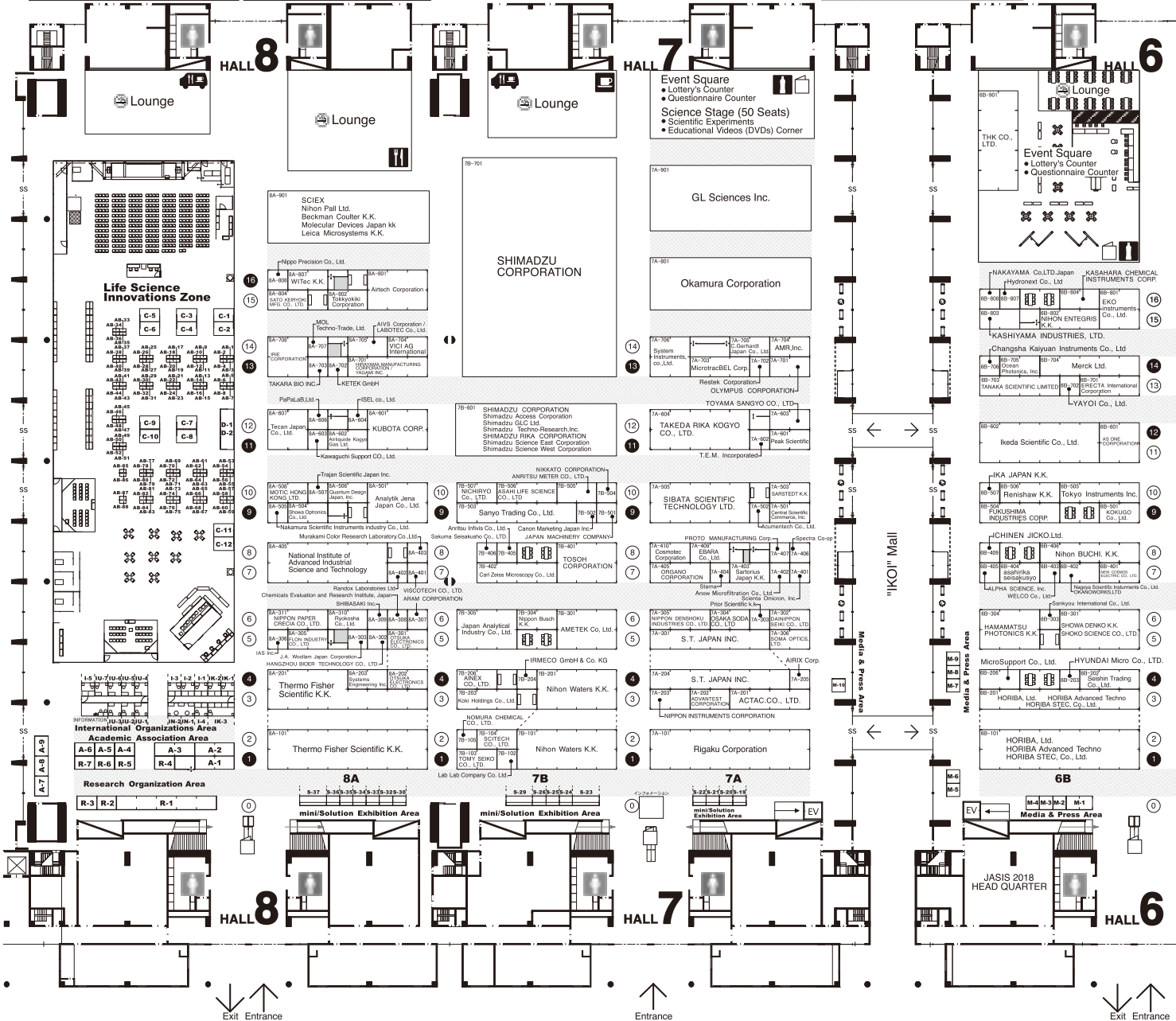
Themes you would like to pick up



7. Exhibition Hall Layout

[HALL 8] Life Science Innovations Zone

C-1 OPTIMA INC.	AB-1 BLAST Inc.	AB-17 DKK-TOA CORPORATION	AB-31 BioNet Laboratory Inc.	AB-45 JNC CORPORATION
C-2 MEDICATEC Inc.	AB-2 IWAKI SHOUKOU	AB-18 KM3 Scientific Corporation	AB-32 ASAHU RUBBER INC.	AB-46 MUROOKA INDUSTRY CO.,LTD
C-3 LightStone Corp.	AB-3 Waseda University	AB-19 Kyodo International Inc.	AB-33 KANTO CHEMICAL CO., INC.	AB-47 academist, inc
C-4 Hanil Scientific Inc.	AB-4 TechnoSuruga Laboratory Co., Ltd	AB-20 Eclipse Business Media Ltd.	AB-34 HORIBA, Ltd.	AB-48 Bruker Japan KK
C-5 L.E. Technologies	AB-5 APRO life Science Institute, Inc	AB-21 SHIMADZU CORPORATION	AB-35 ForDx, Inc.	AB-49 LICONIC Japan K.K.
C-6 Japan Multiplex bio-Analysis Consortium	AB-6 a priori Inc.	AB-22 JEOL Ltd.	AB-36 Research Institute of Biomolecule Metrology Co., Ltd.	AB-50 JPK Instruments AG
C-7 Hitachi High-Technologies Corporation	AB-7 Advantec Toyo Kaisha, Ltd.	AB-23 Northern Science Consulting Inc.	AB-37 NTF Science, LLC	AB-51 C&I Co., ltd.
C-8 NOK CORPORATION	AB-8 Molecule and Material Synthesis Platform	AB-24 Japanese Association of Clinical Laboratory Systems	AB-38 NARD Institute, Ltd.	AB-52 CITIZEN FINEDEVICE CO., LTD.
C-9 3R SOLUTION CORP.	AB-9 Kinryo Electric CO., LTD. / Satec Technologies	AB-25 Showa Denko K.K.	AB-39 Malvern Panalytical A division of Spectris Co., Ltd.	AB-53 Jihco, Inc.
C-10 TECHNOPORT Inc.	AB-10 Satake Chemical Equipment Mfg., Ltd.	AB-26 Andor Technology Ltd	AB-40 Tokyo University of Science	AB-54 TOLIHAN CORP.
C-11 Emerging Technologies Corporation				
C-12 Entex Corporation				
D-1,2 Shonan Health Innovation Park				



[HALL 8] International Organizations Area

I-1 China Association for Instrumental Analysis (CAIA)
I-2 Thailand Institute of Scientific and Technological Research (TISTR)
I-3 Embassy of Canada
I-4 China International Scientific Instrument and Laboratory Equipment Exhibition
I-5 LAB ASIA/LAB INDONESIA

KSIC Pavilion

IK-1 Medikors Inc.
IK-2 Korea Scientific Instruments Industry Cooperative (KSIC)
IK-3 ZEOPILTECH CO.,LTD.

New Zealand Pavilion

IN-1 New Zealand Embassy
IN-2 New Zealand Trade and Enterprise

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, Department of community & Economic Development
IU-6 PITTCO
IU-7 Titan Technologies, K.K.

[HALL 8] Academic Association Area

A-1 JAPAN ENVIRONMENTAL MEASUREMENT AND CHEMICAL ANALYSIS ASSOCIATION
A-2 PAI-NET(Professionals' Network in Advanced Instrumentation Society)
A-3 TKK
A-4 Radiation Application Development Association
A-5 Japan Accreditation Board (JAB)
A-6 The Japan Society for Analytical Chemistry
A-7 AOAC INTERNATIONAL JAPAN SECTION
A-8 The Japanese Society of Microscopy
A-9 The Spectroscopical Society of Japan

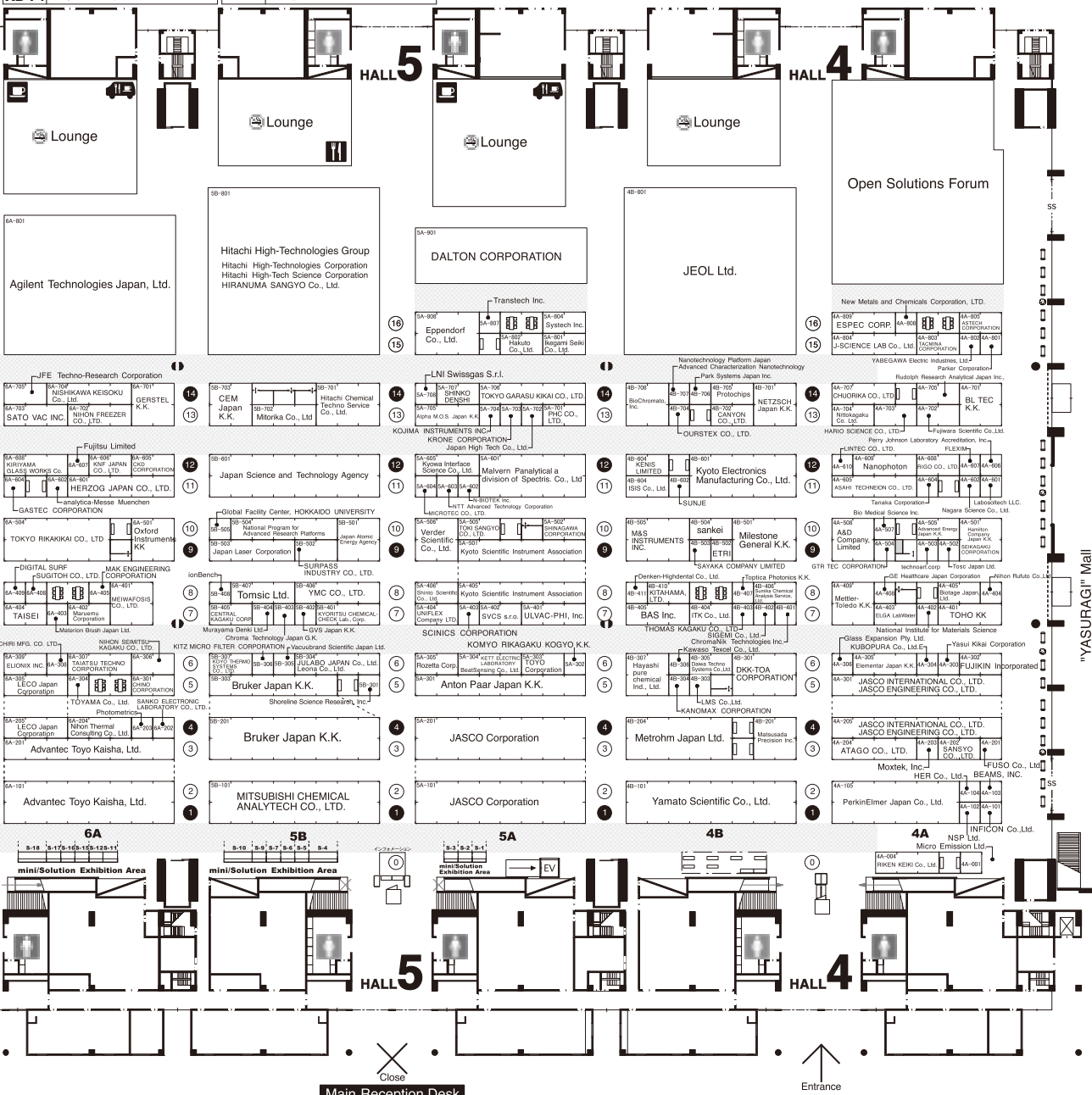
[HALL 8] Research Organization Area

R-1 Chemicals Evaluation and Research Institute, Japan Chemical Standards Department
R-2 National Institute of Technology/Ibaraki College Department of Industrial Engineering Electrical and Electronic Engineering Course
R-3 National Institute of Technology and Evaluation International Accreditation Japan
R-4 Food Research Institute, NARO (National Agriculture and Food Research Organization)
R-5 Kanagawa University Faculty of Science Department of Chemistry Nishimoto Laboratory
R-6 Tokyo University of Agriculture and Technology
R-7 Kobe University Kimura research group



AB-61 BioJapan / Regenerative Medicine Japan 2018	AB-75 JAPAN ASSOCIATION OF CLINICAL REAGENTS INDUSTRIES	AB-85 INNER RESOURCE INC.
AB-62 Research Institute of Systems Planning, Inc.	AB-76 The 91st Annual Meeting of the Japanese Biochemical Society	AB-86 The Chem-Bio Informatics Society(CBI)
AB-63 Forum for Innovative Regenerative Medicine(FIRM)	AB-77 ifia / HFE JAPAN2019	AB-87 Gwydion Inc.
AB-64 ULVAC COATING CORPORATION	AB-78 Biotechnology and Pharmaceutical Industries Promotion Office, Ministry of Economic Affairs, Taiwan.	AB-88 Yokohama Biopharmaceutical Research and Development Center
AB-65 Research for Environment, Health and Safety Education.	AB-79 RICOH COMPANY, LTD.	
AB-66 ASICON Tokyo Ltd.	AB-80 BD-Consulting L.L.C.	
AB-67 ULVAC, Inc.	AB-81 enago	
AB-68 Pharmaceutical 4 companies' Public offering corner		
AB-69 Drug Discovery Plaza		

- Drink
- Free Bottled Water
- Lunch
- Lunch Car
- Pamphlet



[HALL 7·8] mini/Solution Exhibition Area

S-19 Sun Instruments, Inc.
S-20 Asahi Lab Commerce, Inc. (ALCOM)
S-21 AD Science Inc.
S-22 Mie Prefecture Environmental Conservation Agency
S-23 KYOCERA Corporation
S-24 Nihon Visual Science, Inc.
S-25 WILEY
S-26 INNOVATION SCIENCE CO., LTD.
S-29 Filgen, Inc.
S-30 Spectra Quest Lab, Inc.
S-32 ELEKON SCIENCE CO.,LTD
S-33 SAW&SPT-Tech Co.,Ltd
S-34 LLC NYLABO
S-35 Jasmat Optics Corporation
S-36 NANOXED CO.,LTD.
S-37 Filmetrics Japan, Inc.

[HALL 5·6] mini/Solution Exhibition Area

S-1 yamato-buturyu.co.ltd.
S-2 OnnaTech Inc.
S-3 TOKYO M.I. CO., INC.
S-4 Association for structure characterization
S-5 Bio-Rad Laboratories K.K.
S-6 YAMAKIDENKI
S-7 UNION CORPORATION
S-9 san-ei electric co., ltd.
S-10 Shinohara Electric Co., Ltd.
S-11 Tokyo Dylec Corporation
S-12 ASAHII KOHSAN CO., LTD.
S-15 Tsukahara Manufacturing Co., Ltd.
S-16 Neuberg Company Limited
S-17 ASCH JAPAN CO.,LTD
S-18 QMAIL

[HALL 6] Media & Press Area

M-1 MARUZEN PUBLISHING CO., LTD.
M-2 The Science News
M-3 International Labmate
M-4 Digital Data Management Corporation
M-5 instrument.com.cn
M-6 THE CHEMICAL DAILY CO., LTD.
M-7 Nikkan Kogyo Publishing Production, Ltd.
M-8 JAPAN INDUSTRIAL PUBLISHING CO., LTD.
M-9 OPTRONICS CO., Ltd.
M-10 Nikkei Science, Inc.

[HALL 5] Kyoto Scientific Instrument Association

Orion Inc.
FUTA-Q, Ltd.
Kyoto Scientific Instrument Association
KEIJI PACK
Yamazaki Seiki kenkyusho, Inc.
Kamimura Manufacturing Co., Ltd.
Kyoto Jushi-Seiko Co., Ltd.
Kyoto-Rikagaku-kikai Corporation
Kyoto-Rikagaku-kikai Corporation
Kyoto Jushi-Seiko Co., Ltd.
Kyoto Scientific Instrument Association
FUTA-Q, Ltd.
KEIJI PACK
Orion Inc.
Yamazaki Seiki kenkyusho, Inc.
Kamimura Manufacturing Co. Ltd.

8. Exhibitors List

■ General Booth

A&D Company, Limited	4A-508	CENTRAL KAGAKU CORP.	5B-405
ACTAC.CO.,LTD	7A-201	Central Scientific Commerce, Inc.	7A-501
Acumentech Co., Ltd.	7A-502	Changsha Kaiyuan Instruments Co., Ltd	6B-706
Advanced Energy Japan K.K.	4A-505	Chemicals Evaluation and Research Institute,Japan	8A-308
Advantec Toyo Kaisha, Ltd.	6A-101,6A-201	CHINO CORPORATION	6A-301
ADVANTEST CORPORATION	7A-202	Chroma Technology Japan G.K.	5B-403
Agilent Technologies Japan,Ltd.	6A-801	ChromaNik Technologies Inc.	4B-401
AINEX CO., LTD.	7B-206	CHUORIKA CO.,LTD	4A-707
AIRIX Corp.	7A-205	CKD CORPORATION	6A-605
Airliquide Kogyo Gas Ltd	8A-602	Cosmotec Corporation	7A-410
Airtech Corporation	8A-801	DAINIPPON SEIKI CO.,LTD.	7A-302
AIVS Corporation	8A-705	Daiwa Techno Systems Co.,Ltd.	4B-305
Alpha M.O.S. Japan K.K.	5A-705	DALTON CORPORATION	5A-901
ALPHA SCIENCE,INC.	6B-405	Denken-Highdental Co., Ltd.	4B-411
AMETEK Co, Ltd	7B-301	DIGITAL SURF	6A-409
AMR,Inc.	7A-704	DKK-TOA CORPORATION	AB-17
analytica-Messe Muenchen	6A-602	EBARA Co.,Ltd.	7A-409
Analytik Jena Japan Co., Ltd.	8A-501	EKO instruments Co., Ltd.	6B-801
Anow Microfiltration Co., Ltd.	7A-402	Elementar Japan K.K.	4A-305
Anritsu Infivis Co., Ltd.	7B-405	ELGA LabWater	4A-403
ANRITSU METER CO., LTD.	7B-505	ELIONIX INC.	6A-309
Anton Paar Japan K.K.	5A-301	Eppendorf Co., Ltd.	5A-808
ARAM CORPORATION	8A-307	ERECTA International Corporation	6B-701
AS ONE CORPORATION	6B-601	ESPEC CORP.	4A-809
ASAHI LIFE SCIENCE CO.,LTD	7B-506	ETRI	4B-502
ASAHI TECHNEION CO., LTD.	4A-605	FLEXIM	4A-607
asahirikaseisakusyo	6B-404	FLON INDUSTRY CO., LTD.	8A-305
ASTECH CORPORATION	4A-805	FUJIKIN Incorporated	4A-302
ATAGO CO., LTD.	4A-204	Fujitsu Limited	6A-607
BAS Inc.	4B-405	Fujiwara Scientific Co.,Ltd.	4A-702
BEAMS, INC.	4A-103	FUKUSHIMA INDUSTRIES CORP.	6B-504
BeatSensing co.,Ltd.	5A-304	FUSO Co., Ltd.	4A-201
Beckman Coulter K.K.	8A-901	FUTA-Q,Ltd.	5A-405,5A-501
Bio Medical Science Inc.	4A-507	GASTEC CORPORATION	6A-604
BioChromato, Inc.	4B-708	GE Healthcare Japan Corporation	4A-408
Biotage Japan, Ltd.	4A-405	GERSTEL K.K.	6A-701
BL TEC K.K.	4A-701	GL Sciences Inc.	7A-901
Bruker Japan K.K.	5B-201,5B-303	Glass Expansion Pty. Ltd.	4A-306
C.Gerhardt Japan Co.,Ltd.	7A-705	Global Facility Center,HOKKAIDO UNIVERSITY	5B-505
Canon Marketing Japan Inc.	7B-502	GTR TEC CORPORATION	4A-504
CANYON CO.LTD	4B-702	GVS Japan K.K.	5B-402
Carl Zeiss Microscopy Co., Ltd.	7B-402	Hakuto Co., Ltd.	5A-802
CEM Japan K.K.	5B-703	HAMAMATSU PHOTONICS K.K.	6B-304

Hamilton Company Japan K.K.	4A-501	Kawaso Texcel Co., Ltd	4B-306
HANGZHOU BIOER TECHNOLOGY CO., LTD	8A-302	KEIJI PACK	5A-405,5A-501
HARIO SCIENCE CO.,LTD.	4A-703	KENIS LIMITED	4B-604
Hayashi pure chemical Ind., Ltd.	4B-307	KETEK GmbH	8A-702
HER Co., Ltd.	4A-104	KETT ELECTRIC LABORATORY	5A-304
HERZOG JAPAN CO., LTD.	6A-601	KIRIYAMA GLASS WORKS Co.,	6A-608
HIRANUMA SANGYO Co., Ltd.	5B-801	KITAHAMA, LTD.	4B-410
HIRAYAMA MANUFACTURING CORPORATION	8A-701	KITZ MICRO FILTER CORPORATION	5B-306
Hitachi Chemical Techno Service Co.,Ltd.	5B-701	KNF JAPAN CO., LTD	6A-606
Hitachi High-Tech Science Corporation	5B-801	KOJIMA INSTRUMENTS INC.	5A-704
Hitachi High-Technologies Corporation	C-7	Koki Holdings Co.,Ltd.	7B-203
HORIBA Advanced Techno	6B-101,6B-201	KOKUGO Co.,Ltd.	6B-501
HORIBA STEC, Co., Ltd.	6B-101,6B-201	KOMYO RIKAGAKU KOGYO K.K.	5A-302
HORIBA, Ltd.	6B-101,6B-201	KOYO THERMO SYSTEMS CO., LTD	5B-307
Hydronext Co., Ltd	6B-807	KRONE CORPORATION	5A-703
HYUNDAI Micro Co.,LTD.	6B-203	KUBOPURA Co., Ltd.	4A-304
IAS Inc.	8A-306	KUBOTA CORP.	8A-601
ICHINEN JICKO.Ltd	6B-409	KYORITSU CHEMICAL-CHECK Lab., Corp.	5B-401
IKA JAPAN K.K.	6B-507	Kyoto Electronics Manufacturing Co., Ltd.	4B-601
Ikeda Scientific Co.,Ltd.	6B-602	Kyoto Jushi-Seiko Co., Ltd.	5A-405,5A-501
Ikegami Seiki Co., Ltd.	5A-801	Kyoto Scientific Instrument Association	5A-405,5A-501
INFICON Co.,Ltd.	4A-101	Kyoto-Rikagaku-kikai Corporation	5A-405,5A-501
ionBench	5B-408	Kyowa Interface Science Co., Ltd.	5A-605
IRIE CORPORATION	8A-708	Lab Lab Company Co. Ltd.	7B-102
IRMECO GmbH & Co. KG	7B-204	Labosoltech LLC	4A-601
ISEL co.,Ltd.	8A-604	LABOTEC Co.,Ltd.	8A-705
ISIS Co., Ltd.	4B-604	LECO Japan Corporation	6A-205,6A-305,
ITK Co.,Ltd.	4B-404	Leica Microsystems K.K.	8A-901
J.A. Woollam Japan Corporation	8A-303	Leona Co.,Ltd.	5B-304
Japan Analytical Industry Co., Ltd.	7B-305	LINTEC CO., LTD.	4A-610
Japan Atomic Energy Agency	5B-501	LMS Co.,Ltd.	4B-303
Japan High Tech Co.,Ltd.	5A-702	LNI Swissgas S.r.l.	5A-708
Japan Laser Corporation	5B-503	M&S INSTRUMENTS INC.	4B-505
JAPAN MACHINERY COMPANY	7B-501	MAK ENGINEERING CORPORATION	6A-405
Japan science & technology Agency	5B-601	Malvern Panalytical a division of Spectris.Co.,Ltd	5A-601
JASCO Corporation	5A-101,5A-201	Maruemu Corporation	6A-402
JASCO ENGINEERING CO., LTD.	4A-205,4A-301	Materion Brush Japan Ltd.	6A-403
JASCO INTERNATIONAL CO., LTD.	4A-205,4A-301	Matsusada Precision Inc.	4B-201
JEOL Ltd.	AB-24	MEIWAFOFOSIS CO.,LTD.	6A-401
JFE Techno-Research Corporation	6A-705	Merck Ltd.	6B-704
J-SCIENCE LAB Co., Ltd.	4A-804	Metrohm Japan Ltd	4B-204
JULABO JAPAN Co.,Ltd.	5B-304	Mettler-Toledo K.K.	4A-409
Kamimura Manufacturing.Co.,Ltd.	5A-405,5A-501	Micro Emission Ltd.	4A-001
KANOMAX CORPORATION	4B-304	MicroSupport Co.,Ltd.	6B-206
KASAHARA CHEMICAL INSTRUMENTS CORP.	6B-804	MICROTEC CO., LTD.	5A-604
KASHIYAMA INDUSTRIES, LTD.	6B-803	MicrotracBEL Corp.	7A-703
Kawaguchi Support CO.,Ltd	8A-603	Milestone General K.K.	4B-501
		Mitorika Co., Ltd	5B-702

MITSUBISHI CHEMICAL ANALYTECH CO., LTD.		Ocean Photonics, Inc.	6B-705
	5B-101	Okamura Corporation	7A-801
MOL Techno-Trade, Ltd.	8A-707	OKANOWORKS,LTD	6B-402
Molecular Devices Japan kk	8A-901	OLYMPUS CORPORATION	7A-701
MOTIC HONG KONG LTD.	8A-508	ORGANO CORPORATION	7A-405
Moxtek, Inc.	4A-203	Orion Inc.	5A-405,5A-501
Murakami Color Research Laboratory.Co.,Ltd.		OSAKA SODA CO.,LTD	7A-304
	8A-403	OTSUKA ELECTRONICS CO., LTD.	8A-202,8A-301
MurayamaDenkiLtd	5B-404	OURSTEX CORPORATION	4B-704
Nagara Science Co., Ltd.	4A-602	Oxford Instruments KK	6A-501
Nagoya Scientific Instruments Co., Ltd.	6B-402	PaPaLaB,Ltd.	8A-606
Nakamura Scientific Instruments industry Co.,Ltd.		Park Systems Japan Inc.	4B-706
	8A-505	Parker Corporation	4A-801
NAKAYAMA Co,LTD.Japan	6B-808	Peak Scientific	7A-601
Nanophoton	4A-609	PerkinElmer Japan Co., Ltd.	4A-105
Nanotechnology Platform Japan		Perry Johnson Laboratory Accreditation, Inc.	
Advanced Characterization Nanotechnology			4A-606
	4B-707	PHC CO., LTD.	5A-701
National Institute for Materials Science	4A-402	Photometrics	6A-203
National Institute of Advanced Industrial		Prior Scientific k.k	7A-303
Science & Technology	8A-405	PROTO MANUFACTURING Corp.	7A-407
National Program for Advanced Research Platforms		Protochips	4B-705
	5B-504	Quantum Design Japan, Inc.	8A-506
N-BIOTEK Inc.	5A-602	Randox Laboratories Ltd	8A-402
NETZSCH Japan K.K.	4B-701	Renishaw K.K.	6B-506
NEW COSMOS ELECTRIC CO., LTD.	6B-401	Restek Corporation	7A-702
New Metals and Chemicals Corporation, LTD.		Rigaku Corporation	7A-101
	4A-808	RIGO CO.,LTD.	4A-608
NICHIRI MFG. CO. LTD	6A-308	RIKEN KEIKI Co., Ltd.	4A-004
NICHIRYO Co., LTD	7B-507	Rozetta Corp.	5A-305
Nihon BUCHI. K.K.	6B-406	Rudolph Research Analytical Japan Inc.,	4A-705
NIHON ENTEGRIS K.K.	6B-802	Ryokosha Co.,Ltd.	8A-310
NIHON FREEZER CO.,LTD.	6A-702	S.T. JAPAN INC.	7A-204,7A-301
Nihon Pall Ltd.	8A-901	Sakuma Seisakusho Co.,,LTD	7B-406
Nihon Rufuto Co.,Ltd.	4A-404	sankei	4B-504
Nihon seimitsu kagaku co.,Ltd.	6A-306	SANKO ELECTRONIC LABORATORY CO., LTD	6A-202
Nihon Thermal Consulting Co., Ltd.	6A-204	Sankyou International Co., Ltd.	6B-303
Nihon Waters K.K.	7B-101,7B-201	SANSYO CO., LTD.	4A-202
NIKKATO CORPORATION	7B-504	Sanyo Trading Co., Ltd.	7B-503
Nippo Precision Co.,Ltd.	8A-808	SARSTEDT K.K.	7A-503
Nippon Busch K.K.	7B-304	Sartorius Japan K.K.	7A-403
NIPPON DENSHOKU INDUSTRIES CO.,LTD.		SATO KEIRYOKI MFG. CO., LTD.	8A-804
	7A-305	SATO VAC INC.	6A-703
NIPPON INSTRUMENTS CORPORATION	7A-203	SAYAKA COMPANY LIMITED	4B-503
NIPPON PAPER CRECIA CO., LTD.	8A-311	Scienta Omicron, Inc.	7A-401
NISHIKAWA KEISOKU Co.,Ltd.	6A-704	SCIEX	8A-901
Nittokagaku Co. Ltd	4A-704	SCINICS CORPORATION	5A-403
NOMURA CHEMICAL CO., LTD.	7B-105	SCITECH CO., LTD.	7B-104
NSP Ltd.	4A-102	SEIKAGAKU CORPORATION	4A-501
NTT Advanced Technology Corporation	5A-603	Seishin Trading Co., Ltd.	6B-202

ForDx, Inc.	AB-36	SHIMADZU CORPORATION	AB-23
Forum for Innovative Regenerative Medicine(FIRM)	AB-65	Shonan Health Innovation Park	D-1、 2
Gwydion Inc.	AB-87	Showa Denko K.K.	AB-29
Hanil Scientific Inc.	C-4	TECHNOPORT Inc.	C-10
Hitachi High-Technologies Corporation	C-7	TechnoSuruga Laboratory Co.,Ltd.	AB-6
HORIBA, Ltd.	AB-21、 AB-22	The Chem-Bio Informatics Society(CBI)	AB-86
ifia/HFE JAPAN2019	AB-79	The Japanese Biochemical Society	AB-77
INNER RESOURCE INC.	AB-85	The Society for Biotechnology, Japan	AB-78
IWAKI SHOUKOU	AB-3、 AB-4	Tokyo University of Science	AB-43、 AB-44
JAPAN ASSOCIATION OF CLINICAL REAGENTS INDUSTRIES	AB-75、 AB-76	TOLIHAN CORP.	AB-60
Japan Multiplex bio-Analysis Consortium	C-6	ULVAC COATING CORPORATION	AB-66
Japanese Association of Clinical Laboratory Systems	AB-27、 AB-28	ULVAC, Inc.	AB-71、 AB-72
JEOL Ltd.	AB-24	Waseda University	AB-5
Jiho, Inc	AB-59	Yokohama Biopharmaceutical Research and Development Center	AB-88
JNC CORPORATION	AB-45、 AB-46	3R SOLUTION CORP.	C-9
JPK Instruments AG	AB-53、 AB-54		
KANTO CHEMICAL CO., INC.	AB-33、 AB-34	■ mini/Solution Exhibition Area	
Kinryo Electric CO., LTD.	AB-13、 AB-14	AD Science Inc.	S-21
KM3 Scientific Corporation	AB-18	ASAHI KOHSAN CO.,LTD	S-12
Kyodo International Inc.	AB-19	Asahi Lab Commerce, Inc. (ALCOM)	S-20
L.E. Technologies	C-5	ASCH JAPAN CO.,LTD	S-17
LiCONiC Japan k.k.	AB-51、 AB-52	Association for structure characterization	S-4
LightStone Corp.	C-3	Bio-Rad Laboratories K.K.	S-5
Malvern Panalytical A division of Spectris Co., Ltd.	AB-42	ELEKON SCIENCE Co.,LTD	S-32
MEDICATEC Inc.	C-2	Filgen, Inc.	S-29
microfluidic ChipShop/ASICON Corporation	AB-69、 AB-70	Filmetrics Japan, Inc.	S-37
Molecule and Material Synthesis Platform	AB-11、 AB-12	INNOVATION SCIENCE CO., LTD.	S-26
MUROOKA INDUSTRY CO.,LTD	AB-47、 AB-48	Jasmat Optics Corporation	S-35
NARD Institute, ltd.	AB-41	KYOCERA Corporation	S-23
NOK CORPORATION	C-8	LLC NYLABO	S-34
Northern Science Consulting Inc.	AB-25、 AB-26	Mie Prefecture Environmental Conservation Agency	S-22
NT Science, LLC	AB-39、 AB-40	NANOXEED CO.,LTD.	S-36
OPTIMA INC.	C-1	Neuberg Company Limited	S-16
Pharmaceutical 4 companies' Public offering corner	AB-73	Nihon Visual Science, Inc.	S-24
Research for Environment, Health and Safety Education.	AB-67、 AB-68	OhnaTech Inc.	S-2
Research Institute of Biomolecule Metrology Co., Ltd.	AB-37、 AB-38	QMAIL	S-18
Research Institute of Systems Planning, Inc.	AB-63、 AB-64	san-ei electric co ., ltd	S-9
RICOH COMPANY, LTD.	AB-81、 AB-82	SAW&SPT-Tech Co.,Ltd	S-33
Satake Chemical Equipment Mfg., Ltd.	AB-15、 AB-16	Shinohara Electric Co., Ltd.	S-10
		Spectra Quest Lab, Inc.	S-30
		Sun Instruments, Inc.	S-19
		Tokyo Dylec Corporation	S-11
		TOKYO M.I. CO., INC.	S-3
		Tsukahara Manufacturing Co.,Ltd.	S-15
		UNION CORPORATION	S-7
		WILEY	S-25

YAMAKIDENKI S-6
yamato-buturyu.co.ltd S-1

■ Research Organization Area

Center for Analytical Instrumentation R-3
Chemicals Evaluation and Research Institute,
Japan Chemical Standards Department R-1
Food Research Institute, NARO (National
Agriculture and Food Research Organization) R-4
Kanagawa University Faculty of Science
Department of Chemistry Nishimoto
Laboratory R-5
Kobe University Kimura research group R-7
National Institute of Technology and Evaluation
International Accreditation Japan R-1
National Institute of Technology.Ibaraki College
Department of Industrial Engineering Electrical
and Electronic Engineering Course R-2
National Metrology Institute of Japan(NMIJ)/
National Institute of Advanced Industrial
Science and Technology(AIST) R-1
Tokyo University of Agriculture and Technology R-6

■ Academic Association Area

AOAC INTERNATIONAL JAPAN SECTION A-7
Japan Accreditation Board (JAB) A-5
JAPAN ENVIRONMENTAL MEASUREMENT and
CHEMICAL ANALYSIS ASSOCIATION A-1
PAI-NET(Professionals' Network in Advanced
Instrumentation Society) A-2
Radiation Application Development
Association A-4
The Japan Society for Analytical Chemistry A-6
The Japanese Society of Microscopy A-8
The Spectroscopical Society of Japan A-9
TKK A-3

■ Media & Press Area

Digital Data Management Corporation M-4
instrument.com.cn M-5
International Labmate M-3
JAPAN INDUSTRIAL PUBLISHING CO., LTD. M-8

MARUZEN PUBLISHING CO., LTD M-1
Nikkan Kogyo Publishing Production, Ltd. M-7
Nikkei Science, Inc. M-10
OPTRONICS CO., Ltd. M-9
THE CHEMICAL DAILY CO., LTD. M-6
The Science News M-2

■ International Organizations Area

China International Scientific Instrument and
Laboratory Equipment Exhibition (CISILE 2019) I-4
China Association for Instrumental Analysis (CAIA) I-1
Embassy of Canada I-3
LAB ASIA / LAB INDONESIA I-5
Thailand Institute of Scientific and
Technological Research (TISTR) I-2

KSIIIC Pavilion

Korea Scientific Instruments Industry Cooperative (KSIIIC) IK-2
Medikors Inc. IK-1
ZEOFILTECH IK-3

New Zealand Pavilion

New Zealand Embassy IN-1
New Zealand Trade and Enterprise IN-2

U.S. Pavilion

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

9. Conferences and Seminars

1. New Technology Presentations

Date: September 5 (Wed.) to 7(Fri.) 10:00 - 17:00.

Venue: Rooms: 1 to 11, Makuhari Hall, APA Hotel & Resorts Tokyo Bay Makuhari

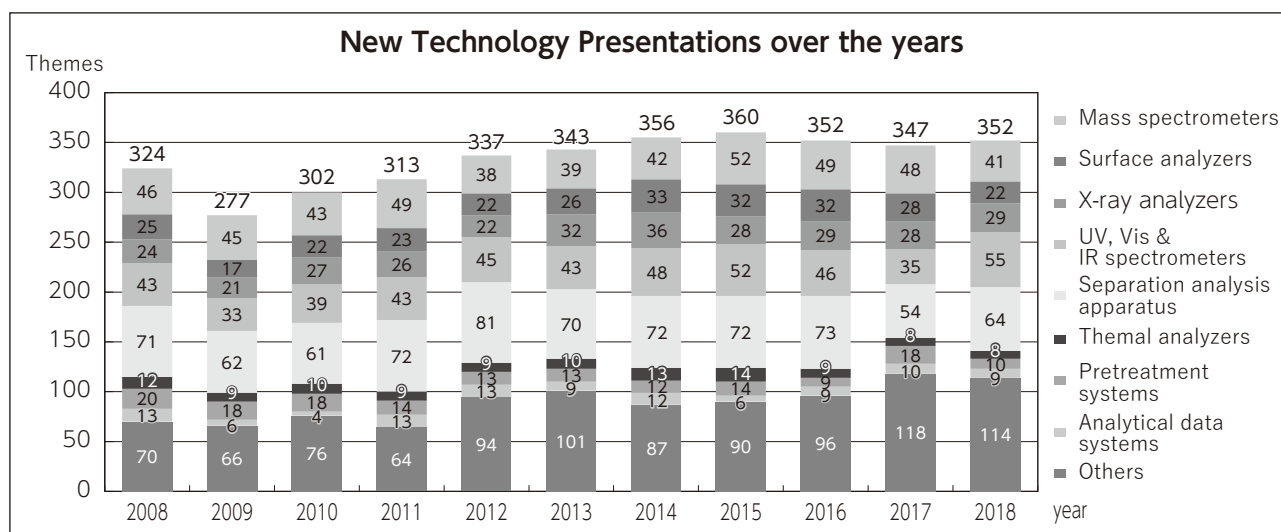
Rooms: Lapis, Mai, Rei, Sho, Stella and Yu, Hotel New Otani Makuhari

Number of participating companies: 99companies (101 companies) * () : JASIS2017 figures

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

New Technology Seminar comparisons (number of audiences / sessions)

	JASIS 2018	JASIS 2017	JASIS 2016
Sept. 7 (Wed.) (Day 1)	4,758/115	4,511/113	4,928 / 119
Sept. 8 (Thu.) (Day 2)	5,263/L35	5,583/116	5,448 / 119
Sept. 9 (Fri.) (Day 3)	5,996/123	5,907/118	5,332 / 114
Total	16,017/352	16,001/347	15,708 / 352
Average number of audiences	45.5	46.1	44.6
(Member companies)	-	303	311
(Non member companies)	-	44	41
Total number of sessions	352	347	352
Number of sessions with simultaneous interpretation	4	4	3



2. JASIS Conference

Date: September 4 (Tue.) to September 7 (Fri.), 2018. 10:00 - 17:00.

Venue: International Conference Hall, Makuhari Messe

Number of groups/meetings: 37 groups/ 52 sessions (30 groups/ 52 sessions)

Number of visitors: 4,219 visitors (4,507 visitors) * () : JASIS2017 figures

JASIS Conference Program

Sept.4 (Tue.)

Venue	Time	Title	Organizer	Language
Conference Room 103	10:20~16:45	Mercury Analyses Adapted to the Minamata Convention on Mercury	Discussion Group for Plasma Spectrochemistry	Japanese
International Conference Room	10:00~16:45	Analytical Electron Microscopy 2018	The Japanese Society of Microscopy (JSM)	Japanese

Sept.5 (Wed.)

Venue	Time	Title	Organizer(s)	Language
International Conference Room	10:20~16:45	Analytical Electron Microscopy 2018	The Japanese Society of Microscopy (JSM)	Japanese
Conference room 301B	14:00~17:00	International Conference Session 1 Asia Technical Forum 2018 "Food Safety and Security in Asia"	Japan Analytical Instruments Manufacturers' Association (JAIMA)	English
Convention Hall B	09:50~17:20	JAIMA Seminar 1 Instrumental Analysis -Are you confident of your analytical results? -	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Convention Hall A	14:00~16:00	JAIMA Seminar 2 Fundamental lectures on basic techniques in analytical experiments	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 301A	14:00~17:00	JAIMA Seminar 3 Instrumental Analysis -Bio-Technology	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 302	13:50~17:00	JAIMA Seminar 4 Instrumental Analysis -Flow Analysis	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 303	14:00~17:00	JAIMA Seminar 5 Instrumental Analysis -Thermal Analysis	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 304	10:00~17:45	Life Science Innovation Forum 1 "Profiling of Fear - How to be a witness of life science innovation -"	Metabolic Profiling Forum	Japanese
Conference Room 201A	13:00~16:15	Recent Topics of Environmental Measurement and Evaluation on Management of Field and Legal Compliance	Forum on Efficient Measurement and Evaluation Methods for Environmental Management, Organization for Research and Communication on Environmental Risk of Chemicals	Japanese
Conference Room 103	10:00~18:00	Laser Ablation Workshop 2018-Solution for better spatial resolution and clue for imaging analysis of nanoparticles	Discussion Group for Laser Ablation Spectrochemistry	Japanese
Conference Room 105	13:30~17:00	AIST Dept. Materials and Chemistry seminar " Analytical evaluation technology supporting the development of functional materials "	National Institute of Advanced Industrial Science and Technology, Department Materials and Chemistry	Japanese
Conference Room 301A	10:00~13:00	ISO / IEC 17025: 2017 (JIS Q 17025: 2018) Laboratory accreditation system and key points of judgement	Japan Accreditation Board	Japanese
Conference Room 201B	13:30~16:30	Advanced measurement technique for unobservable/unmeasurable/invisible things based on AIST research	Department of Electronics and Manufacturing, National Institute of Advanced Industrial Science and Technology (AIST)	Japanese
Conference Room 101	10:00~17:00	Raman Spectroscopy	The Spectroscopical Society of Japan	Japanese
Conference Room 104	13:00~17:00	JSCA Seminar 2018 on International Standardization of Surface Chemical Analysis - Recent trend of international standardization in surface analysis and microbeam analysis -	Japan National Committee for Standardization of Surface Chemical Analysis (JSCA)	Japanese
Conference Room 102	11:00~12:45	'The Japan Society for Analytical Chemistry' and 'The Mass Spectrometry Society of Japan'	The Mass Spectrometry Society of Japan (JASIS Project) and The Japan Society for Analytical Chemistry (Discussion Group of Screening Analysis)	Japanese

Sept.6 (Thu.)

Venue	Time	Title	Organizer(s)	Language
Conference room 301B	13:30~17:00	International Conference Session 3 China Forum 2018 "Latest Trends and Development of Analytical Instruments, Environmental Protection, Health Care, and Food Safety in China"	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Chinese
Conference Room 101	10:00~17:10	Terahertz Spectroscopy and Low-Frequency Raman Spectroscopy	The Spectroscopical Society of Japan	Japanese
Conference Room 301A	10:00~12:30	JAIMA Seminar 6 Instrumental Analysis -X-Ray Florescence (XRF)-	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 302	10:00~12:00	JAIMA Seminar 7 Fundamental lectures on analyzing data	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 303	09:30~17:30	JAIMA Seminar 8 Instrumental Analysis -LC	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 302	14:00~17:00	JAIMA Seminar 9 Instrumental Analysis -GC	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 102	10:00~12:00	Risk assumption and management - Mainly on phthalate esters -	TKK	
Conference Room 105	13:00~16:30	Food Analysis topics -Advanced tecnology for target and nontarget analysis	Japanese Society for Food Hygiene and Safety	Japanese
International Conference Room	10:30~16:30	NMIJ Reference Material Seminar 2018: Roles of Reference Materials in Regulations and Standards	National Metrology Institute of Japan (NMIJ) / National Institute of Advanced Industrial Science and Technology	Japanese
Conference Room 103	13:00~17:00	The technical seminar for drinking water analysis in 2018	Association Examination and Inspection for Supplied Water	Japanese
Conference Room 301A	14:00~17:00	Construction of Measurement and Characterization Platforms for Innovation: Past Actions and Future Prospects	Science Council of Japan (SCJ) / Japan Society for the Promotion of Science (JSPS); University-Industry Cooperative Research Committees-The 193rd Committee / Japan Analytical Instruments Manufacturers' Association (JAIMA) / The Japan Society of Analytical	Japanese
Conference Room 104	09:00~17:00	Practical surface analysis - knowledge of surface analysis for beginners	Surface Analysis Society of Japan	Japanese
Conference Room 102	13:00~16:30	Creation of analytical service business in foreign markets	PAI-NET	Japanese
Conference Room 201	13:10~17:00	Project for Promoting Public Utilization of Advanced Research Infrastructure Symposium 2018	Ministry of Education, Cluture,Sports,Science and Technology-Japan (MEXT)	Japanese
Conference Room 301B	10:00~12:00	SPring-8/SACLA	RIKEN SPring-8 Center	Japanese
Conference Room 304	09:55~16:40	Life Science Innovation Forum 2 "D2K Science that links baseline and clinical studies"	Institute for Cyber Associates (ICA)	Japanese
Convention Hall B	09:30~17:40	International Conference Session 2 RSC Tokyo International Conference 2018 Future of Single Cell Analysis (1/2)	The Royal Society of Chemistry (RSC), Japan Analytical Instruments Manufacturers' Association (JAIMA)	English

Sept.7 (Fri.)

Venue	Time	Title	Organizer(s)	Language
Conference Room 101	10:00~17:00	Multiple Regression Analysis using PLS	The Spectroscopical Society of Japan	Japanese
Conference Room 301A	13:30~16:30	AOAC Seminar : ISO/IEC 17025:2017 & its application to food testing - Points of Revision/Application to laboratory management /How to decide testing methods based on international & domestic trend-	AOAC INTERNATIONAL JAPAN SECTION	Japanese
Conference Room 302	14:30~16:40	Development of Combined Measurement System and Standardization for Appropriate Management of Nanomaterials : Current Stage of COMS-NANO	Consortium for Measurement Solutions for Industrial Use of Nanomaterials (COMS-NANO)	Japanese
Conference Room 302	10:00~13:00	JAIMA Seminar 10 Instrumental Analysis -MS	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 303	10:00~13:00	JAIMA Seminar 11 Instrumental Analysis -IC	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 303	14:00~16:55	JAIMA Seminar 12 Instrumental Analysis - Separation Science	Japan Analytical Instruments Manufacturers' Association (JAIMA)	Japanese
Conference Room 304	12:30~17:00	Life Science Innovation Forum 3 "Strategic Bio-banking and Innovation in Medicine"	Japan Multiplex bio-Analysis Consortium (JMAC)	Japanese
Conference Room 102	14:00~17:00	Characterization & analysis platform seminar	All Japan characterization & analysis platform council	Japanese
Conference Room 201	10:00~16:00	JASIS2018 JEMCA seminar -JIS K 0102, ISO/IEC 17025, the points of a revision-	Japan Environmental Measurement and Chemical Analysis Association (JEMCA)	Japanese
Conference Room 104	13:00~16:50	Analysis and Evaluation Techniques for Biomimetics	Reaearch Group on Biomimetics, The Society of Polymer Science, Japan (SPSJ)	Japanese
International Conference Room	10:00~15:30	The 4th Symposium of Research Institute for Measurement and Analytical Instrumentation (RIMA) - Extreme measurement and analysis for accelerating R&D innovation -	Research Institute for Measurement and Analytical Instrumentation (RIMA), National Metrology Institute of Japan (NMIJ), National Institute of Advanced Industrial Science and Technology (AIST)	Japanese
Conference Room 105	12:00~17:30	The latest information on analysis and evaluation methods of environmental microorganisms, From real-time measurement to DNA analysis	Society of Indoor Environment, Japan (SIEJ)	Japanese
Conference Room 102	10:00~12:30	JSIA Seminar Basic knowledge on Scientific Instruments Industry - Environmental Analysis -	Japan Scientific Instruments Association	Japanese
Conference Room 103	10:00~16:30	Electrical measurement technique with scanning probe microscope	SPM division of Japanese Microscopy Society	Japanese
Conference room 301B	10:00~12:00	High Pressure Gas and Analytical Instruments	Japan Analytical Instruments manufacturers' Association/The High Pressure Gas Safety Institute of Japan	Japanese
Conference room 301B	13:00~17:00	International Conference Session 5 Japan-Korea Technology Information Exchange Seminar	Japan Analytical Instruments Manufacturers' Association (JAIMA)	English
Convention Hall B	09:30~17:30	International Conference Session 4 RSC Tokyo International Conference 2018 Future of Single Cell Analysis (1/2)	The Royal Society of Chemistry (RSC), Japan Analytical Instruments Manufacturers' Association (JAIMA)	English

3. Science Seminar

◆ "The Science of Cooking - Mechanism of Processing, Heating, Seasoning and Preservation -"

Speaker : Prof Emer. Katsuhiko Saito, Nagoya Institute of Technology

Date : Sept 7 (Fri.) 13:00 - 14:30

Place: Convention Hall A, International Conference Hall 2F

Admission fee: Free

Number of audience: 365

Audiences Trends

Analytical instruments users: 74%

Industry: Foods 21%

Occupation: R & D 44%

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

Date: Sept. 6 (Thu.) 14:00 - 16:00

Place: Convention Hall A, International Conference Hall 2F

Admission Fee: Free

Number of audience: 406

Lecture 1 : **"Latest Trend of Japan Pharmacopoeia"**

(14:00 - 14:30)

Speaker: Ms. Mari Takatsu, Pharmaceuticals and Medical Devices Agency

Lecture 2 : **"Medicine Analysis by New Physicochemical Methods"**

(14:40 - 15:10)

Speaker: Ms. Kumiko Kato, National Institute of Health Sciences

Lecture 3 : **"Latest Trend of Biological Chemistry"**

(15:20 - 16:50)

Speaker: Ms. Hiroko Shibata, National Institute of Health Sciences

Audiences Trends

Analytical instruments users: 75%

Industry: Pharma, Reagents, Cosmetics 51%

Occupation: R & D 30%

5. Seminars & Conferences in English or with simultaneous translator

• New Technology Presentations

(Venue: Hotel New Otani Makuhari)

Date	Time	Place	Title	Exhibitor
Sept.5 (Wed.)	15:05-15:30	N-6	95% Quantum Efficiency Cameras and Computational Imaging for Next Generation Analytical Instruments.	Photometrics
Sept.6 (Thu.)	12:10-12:35	N-6	Innovations in Benchtop NMR enabling new applications in Industry and Research.	NAKAYAMA Co,LTD.Japan
	15:00-15:50	N-6	Data Integrity & Computer System Validation	PerkinElmer Japan Co., Ltd.
Sept.7 (Fri.)	13:55-14:45	N-6	NAP-XPS shows new analytical applications in the fields of catalysis, battery and corrosion.	Tokyo Instruments Inc.

• International Conference Session

(Venue: International Conference Hall)

Date	Time	Place	Title	Exhibitor
Sept.5 (Wed.)	13:30-17:00	301B	Asia Technical Forum 2018 "Food Safety and Security in Asia"	Japan Analytical Instruments Manufacturers' Association (JAIMA)
Sept.6 (Thu.)	09:30-17:40	Hall B	RSC Tokyo International Conference 2018 Future of Single Cell Analysis	The Royal Society of Chemistry (RSC), Japan Analytical Instruments Manufacturers' Association (JAIMA)
Sept.7 (Fri.)	09:30-16:50	Hall B	RSC Tokyo International Conference 2018 Future of Single Cell Analysis	The Royal Society of Chemistry (RSC), Japan Analytical Instruments Manufacturers' Association (JAIMA)
	13:00-17:00	301B	Japan-Korea Technology Information Exchange Seminar	Japan Analytical Instruments Manufacturers' Association (JAIMA)

• Life Science Innovation Zone

(Venue: Life Science Innovation Zone, Hall 8)

Date	Time	Title	Speaker
Sept.5 (Wed.)	12:15-12:20	From clinical to drug discovery, potential for Biobank and clinical sequencing	Kazuhiro Okano (Business Development Director , ACTmed Co., Ltd)
	12:20-12:45	One-stop Clinical Bioresource Project in Kyoto University Hospital and KBBM	Manabu Muto (Professor, Kyoto University Graduate School of Medicine, Dep. of Therapeutic Oncology)
	12:45-13:10	Next generation molecular diagnosis for precision oncology	Shu-Jen Chen (Chief Scientific Officer, ACT Genomics)
	13:10-13:35	Building secure, clinical and genome data enabled biobanks facilitating collaborative research projects	Timo Kanninen (AG Chief Architect, BC Platforms)
Sept.6 (Thu.)	11:20-11:30	Opening Remarks & Introduction of Pittcon	Invited by Pittcon Committee Heather Juzwa(Pittcon 2019 Technical Program Chair)
	11:30-11:50	New Technologies to Accelerate Drug Discovery and Development	Benjamin F. Mann (Project Lead, Enabling Technologies Consortium)
	11:50-12:15	High-end cryo-EM facility for improved drug discovery	Kenji Iwasaki (Associate Professor, Institute for Protein Research, Osaka University)
	12:15-12:40	Combination of cryo-EM and genetics for studying eukaryotic cell	Masahide Kikkawa (Professor, Department of Cell Biology and Anatomy, Graduate School of Medicine, The University of Tokyo)
	12:40-13:05	CryoEM and multimodal imaging towards a nanoplatform of designing next generation of theranostics	Invited by Pittcon Committee R Holland Cheng (Finland Distinguished Professor, University of California)
	13:05-13:30	Recent progress of electron cryomicroscopy for structural analysis of biomolecular assemblies at atomic level	Keiichi Namba (Specially Appointed Professor & Vice Director, Osaka University Graduate School of Frontier Biosciences, Osaka University & Riken SPring-8 Center)
	14:10-14:35	The Future Probed by Mass Spectrometry	Toshifumi TAKAO (Professor, Institute for Protein Research, Osaka University)
	14:35-15:00	Imaging of Proteins in Biomedical Research: Structure, Interaction and Distribution	Markus Stoeckli (Senior Investigator, Analytical Sciences and Imaging @ Novartis Institutes for BioMedical Research)
	15:00-15:25	Use of 2D-LC (two-dimensional liquid chromatography) for the analysis of biotherapeutics	Invited by Pittcon Committee Cinzia Stella (, Genentech)
	15:25-15:50	Recent Advances in Supercritical Fluid Chromatography	Invited by Pittcon Committee Christopher J. Welch (Principal, Welch Innovation, LLC)
	15:50-16:15	Screening compounds that interact with a drug target -What we can do with Mass Spectrometry-	Shuichi Matsuda (Discovery Technology Research Laboratories, HTS group, ONO PHARMACEUTICAL CO.,LTD)
11:55-12:20	Overview of Taiwan's medical device industry	Biotechnology and Pharmaceutical Industries Promotion Office, Ministry of Economic Affairs, Taiwan.	

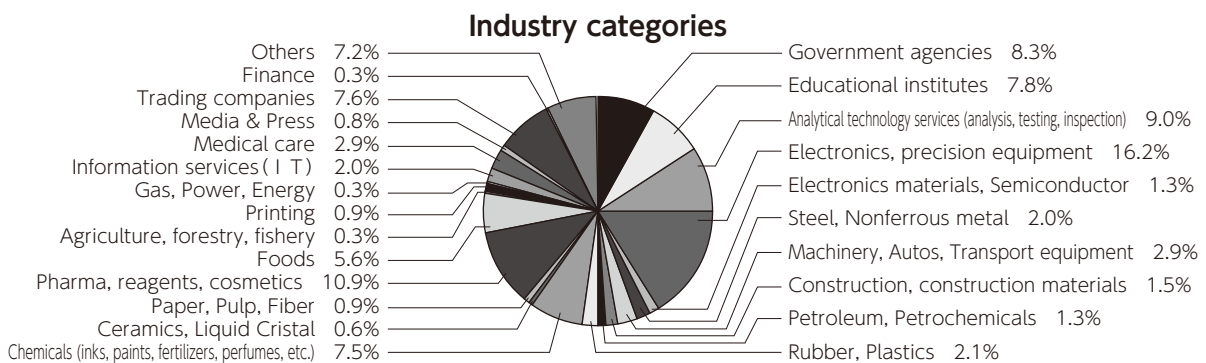
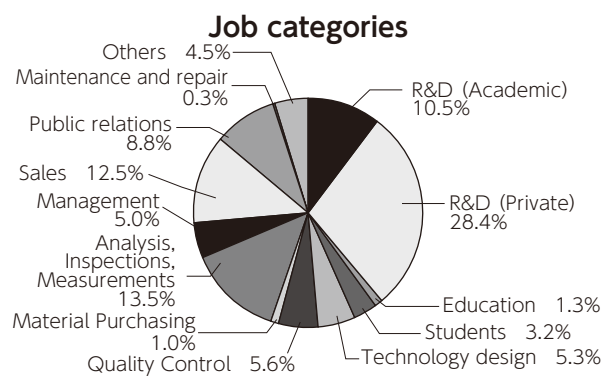
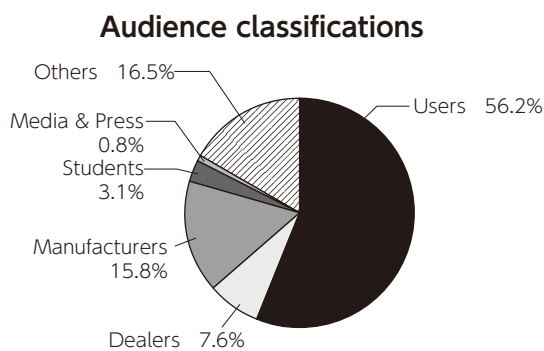
10. Life Science Innovation Zone

Life Science Innovation zone, that has been started from 2013 as a special program aimed to accelerate business development in the Life Science market. This zone focused on health care fields where analytical instruments and technology show particular promise. Approximately 10,000 audiences visit this zone.

1. Exhibition Booth / Special Displays

75 companies set up 102 booths and made presentations on life science fields. In addition, special exhibitions were set up to introduce advanced analytical instrument applications and solutions from Shonan Health Innovation Park, Entex Corporation/Emerging Technologies Corporation.

2. Visitors' Profiles



3. Keynote Programs

Keynote programs focus on Japan strategy, Global trend and Future life science market, by well-known researchers.

Japan-U.S. Joint Session, Global Biopharmaceutical Discovery and Roles of Bioscience, - JAIMA / PITTCON / ETC Joint Forum -, has been arranged in Keynote programs as first try.

Sept. 5(Wed.) (Number of audiences : 1,304)

Time	Title/Speaker (Affiliation)	Attendees
Challenges for the Japanese Pharmaceutical Industry		
10:00~10:40	AMED activities for innovative drug discovery in Japan Noriatsu Kono (Managing Director, Department of Innovative Drug Discovery and Development, Japan Agency for Medical Research and Development (AMED))	142
11:00~11:45	Challenges Facing the Pharmaceutical Industry and the Direction for Solutions Osamu Nagayama (Chairman, Chugai Pharmaceutical Co., Ltd.)	183
Roles of Clinical DNA in Drug Discovery		
12:15~12:20	From clinical to drug discovery, potential for Biobank and clinical sequencing Kazuhiro Okano (Business Development Director, ACTmed Co., Ltd)	104
12:20~12:45	One-stop Clinical Bioresource Project in Kyoto University Hospital and KBBM Manabu Muto (Professor, Kyoto University Graduate School of Medicine, Dep. of Therapeutic Oncology)	106
12:45~13:10	Next generation molecular diagnosis for precision oncology Shu-Jen Chen (Chief Scientific Officer, ACT Genomics) 【canceled】 → Due to the typhoon, Kazuhiro Okano, the moderator, made a speech on behalf.	110
13:10~13:35	Building secure, clinical and genome data enabled biobanks facilitating collaborative research projects Timo Kanninen (Chief Architect and Founder BC Platforms AG)	105
13:35~13:55	Discussion (by above 4 speakers)	82

Next Generation Healthcare and Drug Discovery - Impact of Disruptive Digital Technologies -		
14:15~14:25	Innovative Relation between the Pharma and Consumers Tsuguchika kaminuma (Director, Institute for Cyber Associates)	77
14:25~14:50	Brain development and aging using large brain MRI database Yasuyuki Taki (Professor, Department of Nuclear Medicine and Radiology, Institute of Development, Aging and Cancer, Tohoku University)	117
14:50~15:15	A novel approach toward the reconstruction of healthy longevity in Okinawa via the cutting edge science of brain and molecular nutrition Hiroaki Masuzaki (Professor and Chairman, Division of Endocrinology, Diabetes and Metabolism, Hematology, Rheumatology, Graduate School of Medicine (Second Department of Medicine), University of the Ryukyus, OKINAWA, JAPAN)	118
15:15~15:40	Philips digital transformation and Ecosystem creates Healthcare Innovation Hiroyuki Tsutsumi (President & CEO, Philips Japan)	98
15:40~16:00	Discussion (by above 4 speakers)	62

Sept. 6(Thu.) (Number of audiences : 1,706)

Time	Title/Speaker (Affiliation)	Attendees
10:20~11:00	Life sciences after the completion of human genome project Paradigm shift from the gene determinism of last century Yohtaroh Takagaki (Visiting Professor, Nihon Pharmaceutical University)	127
Japan-U.S. Joint Session Global Biopharmaceutical Discovery and Roles of Bioscience - JAIMA / PITTCON / ETC Joint Forum -		
Global Biopharmaceutical Discovery and Roles of Bioscience		
11:20~11:30	Opening Remarks & Introduction of Pittcon Heather Juzwa 氏 (Pittcon 2019 Technical Program Chair)	100
11:30~11:50	New Technologies to Accelerate Drug Discovery and Development Benjamin F. Mann 氏 (Project Lead, Enabling Technologies Consortium)	135
Roles of Cryo-Electron Microscopy		
11:50~12:15	High-end cryo-EM facility for improved drug discovery Kenji Iwasaki (Associate Professor, Institute for Protein Research, Osaka University)	177
12:15~12:40	Combination of cryo-EM and genetics for studying eukaryotic cell Masahide Kikkawa (Professor, Department of Cell Biology and Anatomy, Graduate School of Medicine, The University of Tokyo)	169

Time	Title/Speaker (Affiliation)	Attendees
12:40~13:05	CryoEM and multimodal imaging towards a nanoplatfrom of designing next generation of theranostics R Holland Cheng (Finland Distinguished Professor, University of California)	172
13:05~13:30	Recent progress of electron cryomicroscopy for structural analysis of biomolecular assemblies at atomic level Keiichi Namba (Specially Appointed Professor & Vice Director, Osaka University Graduate School of Frontier Biosciences, Osaka University & Riken SPring-8 Center)	130
13:30~13:50	Discussion (by above 4 speakers)	72
	Challenges Facing Mass Spectrometry	
14:10~14:35	The Future Probed by Mass Spectrometry Toshifumi TAKAO (Professor, Institute for Protein Research, Osaka University)	138
14:35~15:00	Imaging of Proteins in Biomedical Research : Structure, Interaction and Distribution Markus Stoeckli (Senior Investigator, Analytical Sciences and Imaging @ Novartis Institutes for BioMedical Research)	126
15:00~15:25	Use of 2D-LC (two-dimensional liquid chromatography) for the analysis of biotherapeutics Cinzia Stella (Senior Scientist, Genentech, a member of the Roche group)	127
15:25~15:50	Recent Advances in Supercritical Fluid Chromatography Christopher J. Welch (Principal, Welch Innovation, LLC)	107
15:50~16:15	Screening compounds that interact with a drug target -What we can do with Mass Spectrometry- Shuichi Matsuda (Discovery Technology Research Laboratories, HTS group, ONO PHARMACEUTICAL CO.,LTD)	99
16:15~16:35	Discussion (by above 5 speakers)	27

Sept 7(Fri) (Number of audiences : 1,212)

Time	Title/Speaker (Affiliation)	Attendees
	Advances in Drug Discovery and Systems Biology	
10:20~10:45	Technology Framework for BioMedical Research & Innovation Yukiko Matsuoka (Senior Scientist, The Systems Biology Institute)	98
10:45~11:10	"Transomics analysis of metabolic adaptation in drug resistance Fumio Matsuda (Professor, Department of Bioinformatic Engineering, Osaka University)	106
11:10~11:35	Development of the World's First Multi-Omics Analysis System Junko Iida (Guest Professor, Osaka University Shimadzu Analytical Innovation Research Laboratory, Graduate School of Engineering, Osaka University) [canceled] → Due to the earthquake, Hiroyuki Yasuda from Shimadzu Corporation made a speech on behalf.	113
11:35~12:00	Systems Biology to Systems Medicine Jun Seita (Principal Investigator (Unit Leader), Medical Sciences Innovation Hub Program, RIKEN)	117
12:00~12:20	Discussion (by above 4 speakers)	60

Future Society Outlook from AI and the ICT Revolution		
13:15~13:40	Future prospect of IoT and knowledge base by progress of AI Takahiro Ikushima (Chief Executive Officer, Mathematical Science Advanced Technology Laboratory Co.,Ltd)	213
13:40~14:05	Decentralized PDS: Secure and Low-Cost Utilization of Healthcare Data Based on Individuals' Own Intention Koiti Hasida (Professor, Social ICT Research Center, Graduate School of Information Science and Technology, the University of Tokyo)	206
14:05~14:30	Your smartphone brings the future of medicine Yosuke Hatanaka (Ph.D. candidate, Department of Innovation for Medical Information Technology, Jikei University School of Medicine)	206
14:30~14:50	Discussion (by above 3 speakers)	93

4. Exhibitor Presentations

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

〈Venue1〉

Sept. 5(Wed.) (Number of audiences : 128)

Time	Title	Exhibitor
10:15~10:45	Insight from Ph.D. researchers regarding analytical instrument/service supplier.	Emerging Technologies Corporation / Entex Corporation
11:15~11:40	nano scale analysis of Bio/Polymer samples	JPK Instruments AG
11:55~12:20	Ultra-thin microfluidic chips with wettability	Biocosm Inc.
12:35~13:00	What brings microbiome research and business to successful conclusion.	Kyodo International Inc.
13:15~13:40	Organoid culturing system Lab on chip	BLAST Inc.
13:55~14:20	Bioanalysis entrustment results and quality control method	SHIMADZU CORPORATION
14:35~15:00	The state-of-the-art solution to prevent contamination	LiCONiC Japan k.k.
15:15~15:40	All you need to know using open facility.	Molecule and Material Synthesis Platform

Sept. 6(Thu.) (Number of audiences : 153)

Time	Title	Exhibitor
10:15~10:45	Career Design for Post-Docs and Ph.D. candidates.	Emerging Technologies Corporation / Entex Corporation
11:15~11:40	CIM monolith The Rapid Biopurification Column	Showa Denko K.K.
11:55~12:20	Overview of Taiwan's medical device industry	Biotechnology and Pharmaceutical Industries Promotion Office, Ministry of Economic Affairs, Taiwan.
12:35~13:00	LC/MS Imaging analysis and reduce base noise of nano LC/MS.	L.E. Technologies
13:15~13:40	Introduction of papers on most recent SIFT-MS medical applications	Kinryo Electric CO., LTD.
13:55~14:20	Spectroscopic analysis for biological field	HORIBA, Ltd.
14:35~15:00	Dragonfly: The game changer in confocal microscopy.	Andor Technology Ltd
15:15~15:40	Ask us anything about Analysis services!	APRO life Science Institute, Inc
15:55~16:20	How VR communication works for industry	Gwydion.Inc

Sept. 7(Fri.) (Number of audiences : 106)

Time	Title	Exhibitor
10:15~10:45	Insight from Ph.D. researchers regarding analytical Innovation by "Ph.D. in Business"	Emerging Technologies Corporation / Entex Corporation
11:15~11:40	Micro-structure Processing on Panel Size Glass substrates	ULVAC COATING CORPORATION
11:55~12:20	Quality Control of Biologics using state-of-the-art analytical technology	Bruker Japan KK
12:35~13:00	Reagents and analytical instruments for Drug Discovery Support and Regenerative Medicine	KANTO CHEMICAL CO., INC.
13:15~13:40	You can't divorce people from materials when discussing research safety!	Research for Environment, Health and Safety Education.
13:55~14:20	Breakdown of melanin by infrared free electron laser	Tokyo University of Science
14:35~15:00	96well plate paddle mixer MICROPADDLE for formulation screening	ULVAC, Inc.
15:15~15:40	Two systems that promote research by 120% Labnavi and SmaLab	INNER RESOURCE INC.

〈Venue2〉

Sept. 5(Wed.) (Number of audiences : 60)

Time	Title	Exhibitor
10:15~10:45	Commentagram excites the seminar	BD-Consulting L.L.C.
11:15~11:40	Performance evaluation and biologics training	Yokohama Biopharmaceutical Research and Development Center
11:55~12:20	Thermal Cycler Calibration for high quality PCR	ForDx, Inc.
12:35~13:00	ISP's Small start AI	Research Institute of Systems Planning, Inc.
13:15~13:40	Lab-on-a-chips for drug discovery and POCT applications	ASICON Tokyo Ltd.

Time	Title	Exhibitor
13:55~14:20	TEM/STEM image simulator elbis and the new solution for the protein single particle analysis using Cryo-TEM	BioNet Laboratory Inc.
14:35~15:00	Introduction for Origin software	LightStone Corp.
15:15~15:40	Today's and Tomorrow's Analytical Challenges to be discussed at the upcoming Food Safety Analysis 2018 conference	Eclipse Business Media Ltd.

Sept. 6(Thu.) (Number of audiences : 121)

Time	Title	Exhibitor
10:15~10:45	Over view of Shonan Health Innovation Park	Shonan Health Innovation Park
11:15~11:40	Ear thermometer for heat illness prevention	Waseda University
11:55~12:20	Nanoscale world dynamically visualized with high speed AFM	Research Institute of Biomolecule Metrology Co., Ltd.
12:35~13:00	Phos-tag SDS-PAGE:phosphate-affinity electrophoresis	NARD Institute, ltd.
13:15~13:40	Fecal- and Salivary-collection kit with functions	TechnoSuruga Laboratory Co.,Ltd.
13:55~14:20	Microfluidics leading the development of biopharmaceuticals, personalized medicine, etc.	NT Science, LLC
14:35~15:00	Applications of protein size in solution by using several techniques.	Malvern Panalytical A division of Spectris Co., Ltd.
15:15~15:40	Protein Structural Analysis with the latest Cryo Electron Microscopy	JEOL Ltd.

Sept. 7(Fri.) (Number of audiences : 56)

Time	Title	Exhibitor
10:15~10:45	Over view of Shonan Health Innovation Park	Shonan Health Innovation Park
11:15~11:40	Academic cloud funding "academist"	academist,inc
11:55~12:20	Looking factory for free "Monomado"	TECHNOPORT Inc.
12:35~13:00	Bio printing technology and its application in Ricoh (DNA1 molecule reference plate)	RICOH COMPANY, LTD.
13:15~13:40	We propose the efficient mixing devices	Satake Chemical Equipment Mfg., Ltd.
13:55~14:20	Hitachi High-Technologies provides Genetic Analysis Solution	Hitachi High-Technologies Corporation
14:35~15:00	Wave-Guided Mode accelerates bio-science. (Biosensor & TIRF)	C&I Co., ltd.

5. 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

6. Advanced Diagnostics Innovation Forum in the JASIS Conference

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

Date	Theme	Organizer	Venue
Sept.5 (Wed.) 10:00~17:45	Life Science Innovation Forum 1 "Profiling of Fear ? How to be a witness of life science innovation "	Metabolic Profiling Forum	Conference Room 304
Sept.6 (Thu.) 9:50 ~ 16:50	Life Science Innovation Forum 2 "D2K Science that links baseline and clinical studies"	Institute for Cyber Associates (ICA)	Conference Room 304
Sept.7 (Fri.) 12:30 ~ 17:00	Life Science Innovation Forum3 "Strategic Bio-banking and Innovation in Medicine"	Japan Multiplex bio-Analysis Consortium (JMAC)	Conference Room 304

11. Open Solutions Forum

The third "Open Solutions Forum ~ New Technology Presentations by Theme ~", started at JASIS 2016, was held also in 2018. This program is to introduce the issues and solutions of the instrumental analysis in three fields, "Restriction of the use of Phthalate", "Flavor and Odor" and "Next-Generation Battery" under the concept: Development and Quality Control for materials support the competitive manufacturing, and it has been successfully completed with highest number of audience in these three years.

Open Solutions Forum Programs and number of attendees

9/5 (Wed) Restriction of the use of Phthalate

Time	Title/Speaker	Attendees
10:30 ~ 11:10	Restriction of the use of phthalate -Requirements for simple analysis and its application- Tetsuya Matsuura (President, Tokyo Environmental Management Laboratory)	299
11:15 ~ 11:40	Analysis of phthalate esters by Py / TD-GC-MS method JEOL Ltd.	
11:45 ~ 12:10	Introduce Agilent Phthalates Screener Agilent Technologies Japan,Ltd.	
12:15 ~ 12:40	Current situation and issues of actual operation of Phthalic ester testing Shimadzu Corporation	
13:40 ~ 14:20	Phthalates and Plasticizers, now and hereafter -Market, Application, Safety, Sources, Alternatives, and Green ones- Hiromi Yanase (Director, Technical Department, Japan Plasticizer Industry Association)	308
14:25 ~ 14:50	Practical method of precise analysis for revised RoHS direction Shimadzu Techno-Research, Inc.	
14:55 ~ 15:20	We propose the total solution of RoHS2 Directive management Hitachi High-technologies Corporation	
15:25 ~ 15:50	Production of Phthalates CRMs and Introduction of International Proficiency Testing Programs Seishin Trading Co., Ltd.	

9/6 (Thu) Flavor and Odor

Time	Title/Speaker	Attendees
10:30 ~ 11:10	Fragrance Derived from Odor Molecules Toshio Hasegawa (Associate Professor, Graduate School of Science and Engineering, Saitama University)	488
11:15 ~ 11:40	3D structure determination of aromatic molecules Rigaku Corporation	
11:45 ~ 12:10	Easy extraction and enrichment method for odor/aroma analysis by GC GL Sciences Inc.	
12:15 ~ 12:40	Non-Target Characterization for Food flavor by using GC-TOFMS LECO Japan Corporation	
13:40 ~ 14:20	Off-flavor/Odor Problem and Its Analysis Method Hiroyuki Kato (Director, Nioi Technical Center, Daiwa Service Co., Ltd.)	486
14:25 ~ 14:50	Effective approaches for odor analysis using GCMS database and library Shimadzu Corporation	
14:55 ~ 15:20	Complex pattern analysis of odors and correlation to sensory evaluation Alpha M.O.S. Japan K.K.	
15:25 ~ 15:50	Introduce Agilent Off-Flavor analysis solution for GC/MS Agilent Technologies Japan,Ltd.	

9/7 (Fri) Next-Generation Battery

Time	Title/Speaker	Attendees
10:30 ~ 11:10	Important roles of analysis technologies toward sustainable mobility Hideki Iba (Project General Manager, Material Platform Engineering Div., Advanced R&D and Engineering Company, Toyota Motor Corporation)	334
11:15 ~ 11:40	HORIBA Material Analysis/Engineering Technology for Electrification HORIBA, Ltd.	
11:45 ~ 12:10	3D X-Ray CT Scanner visualizes various data in battery fields Yamato Scientific Co., Ltd.	
12:15 ~ 12:40	Analysis Methods for Batteries Using JEOL Analytical Instruments JEOL Ltd.	
13:40 ~ 14:20	Research and Development of Materials, Cells and Analytical Methods for All Solid State Batteries Kiyoshi Kanamura (Professor, Tokyo Metropolitan University)	360
14:25 ~ 14:50	Latest topical application of SEM-EDS for battery materials Oxford Instruments KK	
14:55 ~ 15:20	Multiscale analyses of active materials and electrolytes Rigaku Corporation	
15:25 ~ 15:50	Various customized equipment from R&D to the production use! Yamato Scientific Co., Ltd.	

12. Events at JASIS 2018

1. 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 programs and the number of audiences are shown as follows.

◆ "Introduction to Scientific Instruments"

Date		Theme	number of audiences
Sep. 5(Wed.)	13:30~14:00	Reliability Outline - Basis of the Reliability and Environmental Test Container-	38
	14:05~14:35	Salt Water Spray Testing Meter	
	14:40~15:10	Vibration Testing Meter	
Sep. 7(Fri.)	13:30~14:00	Soil Environment Measuring Instrument	54
	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 audiences
Sep. 7(Fri.)	13:00~14:00	Science Experience Class	26
	15:00~16:00	Same as above	38

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

Date		Theme
Sep. 5(Wed.) ~ 7(Fri.)	10:20~10:53	Reliability of analysis and its value
	10:55~11:28	HPLC Analysis
	11:30~12:04	LC/MS Analysis

2. Distribution of "Scientific / Analytical Instruments Compendium" & "Analytical Instruments Directries"

Number of copies published and distributed are as follow.

◆ Scientific / Analytical Instruments Compendium

No. of listed companies	358 companies
No. of listed items	3,633 items
No. of copies printed	Printed Ver. – 15,100 DVD Ver. – 9,000
No. of copies distributed	Printed Ver. – 7,263 DVD Ver. – 4,000

◆ Analytical Instruments Directries

No. of pages	300
No. of copies distributed	1,500

JASIS 2018 FINAL REPORT

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