

# **IREX<sup>®</sup>** **2017**

INTERNATIONAL ROBOT EXHIBITION

## **Post Show Report**

**The Robot Revolution Has Begun  
—Toward Heartwarming Society**



**Nov. 29**(Wed.)

**► Dec. 2**(Sat.), **2017**

Opening hours: 10:00~17:00



**Tokyo Big Sight**  
**East Hall 1~6**

Organizers: Japan Robot Association (JARA),  
THE NIKKAN KOGYO SHIMBUN, LTD.



© UDAGAWA YASUHIRO 1998



We are pleased to inform you that thanks to your supports, International Robot Exhibition 2017 (iREX 2017), held from 29th November to 2nd December, came to an end with great success.

The number of exhibitors this year was 612 and the number of booths was 2,775. This marks the largest number ever, breaking the record of previous iREX in 2015. As organizers, we would like to express our deep gratitude to all the exhibitors, related authorities, organizations and associations as this achievement would not be made if it were not for your warm supports.

The contents and the brief report on iREX2017 are shown in the following pages for your reference.

Thank you very much again, and we sincerely appreciate your continued supports.

**Japan Robot Association (JARA)**  
**THE NIKKAN KOGYO SHIMBUN, LTD.**

# Show Overview

---

## ■ Name

INTERNATIONAL ROBOT EXHIBITION 2017 (iREX 2017)

## ■ Theme

“The Robot Revolution Has Begun - Toward Heartwarming Society”

## ■ Purpose

The purpose of the exhibition is to gather and exhibit industrial/service robots and related equipment from around the globe under one roof, to help improve the technology to use robots and market development, and to contribute to the creation of new markets and promotion of industrial technology of robots.

## ■ Date / Time

Nov. 29 (Wed.) ~ Dec. 2 (Sat.), 2017 / 10:00~17:00

## ■ Venue

Tokyo Big Sight, East Hall 1, 2, 3, 4, 5, 6,  
East Hall 8 ※only on Dec. 2(Sat.)

## ■ Organized by;

Japan Robot Association (JARA)/ THE NIKKAN KOGYO SHIMBUN, LTD.

## ■ Supported by;

Ministry of Economy, Trade and Industry / Ministry of Health, Labour and Welfare / Ministry of Agriculture, Forestry and Fisheries / Ministry of Land, Infrastructure and Transport / Ministry of Internal Affairs and Communications / Ministry of Education, Culture, Sports, Science and Technology / Japan Chamber of Commerce / New Energy and Industrial Technology Development Organization (NEDO) / Japan External Trade Organization (JETRO) / Japan Broadcasting Corporation (NHK) (Random order)

## ■ Special Supported by;

Japan Plastic Products Industrial Federation, Communications and Information Network Association of Japan, Japan Amusement Machine and Marketing Association, Japan Assistive Products Association, Japan Association of Corrosion Control, Japan Auto Parts Industries Association, Japan Automobile Manufacturers Association, Japan Belt Association, Japan Clean Environment Promotion Organization, Japan Construction Equipment Manufacturers Association, Japan Construction Machine and Construction Association, Japan Electric Measuring Instruments Manufacturers' Association, Japan Fluid Power Association, Japan Forming Machinery Association, Japan Machine Tool Builders' Association, Japan Metal Stamping Association, Japan Packaging Machinery Manufacturers Association, Japan Painting Contractors Association, Manufacturing Science and Technology Center, Micromachine center, Nippon Electric Control Equipment Industries Association, Robot Revolution Initiative, Semiconductor Equipment Association of Japan, The Association for Technical Aids, The Association of Care Goods Providers, The Iron Steel Institute of Japan, The Japan Electrical Manufacturers' Association, The Japan Food Machinery Manufacturers' Association, The Japan Machinery Federation, The Japan Society of Industrial Machinery Manufactures, The Japan Welding Engineering Society, The Robotics Society of Japan, The Society of Instrument and Control Engineers, Japan Institute of Material Handling (Random order)

## ■ Admission

JPY1, 000 (Free admission for those who have preregistered or hold invitations, age of sixteen and under)

## ■Scale of Exhibition

Exhibitors	<b>612 exhibitors</b> (*446)
Booths	<b>2,775 booths</b> (*1,882)

(\*Number of previous iREX in 2015)

## ■Number of Visitors

\*Exhibitors, press, age of sixteenth and under are not included.

Date	Weather	Number of visitors (Number of previous iREX in 2015)
Nov. 29 (Wed.)	☀	29,613 (26,283)
Nov. 30 (Thu.)	☁	34,531 (32,062)
Dec. 1 (Fri.)	☀	41,035 (39,634)
Dec. 2 (Sat.)	☀	25,301 (23,443)
<b>Total;</b>		<b>130,480 (121,422)</b>

## ■Concurrent Exhibitions:

- Parts Feeder Exhibition 2017  
Organizers: Japan Parts Feeder Industrial Association/ THE NIKKAN KOGYO SHIMBUN, LTD.
- PAN-EXHIBITION FOR WASH AND CLEAN 2017  
Organizers: JAPAN WASH INC. Association (JWA)/ Japan Industrial Conference on Cleaning (JICC)/ THE NIKKAN KOGYO SHIMBUN, LTD.
- SAMPE JAPAN 2017  
Organizers: Society for the Advancement of Material and Process Engineering/ THE NIKKAN KOGYO SHIMBUN, LTD.
- Monodzukuri Matching Japan 2017  
Organizer: THE NIKKAN KOGYO SHIMBUN, LTD.

## ■Major Concurrent Events:

- iREX Robot Forum 2017
- RRI International Symposium
- NEDO Robot AI Forum 2017
- “The Rise of Service Robots” – The development and future of service robots.
- International Robot Forum – Robot development and the latest trend in Denmark
- Universal Future Society Promotion Forum
- To the Society Where Robots and Humans Collaborate-Live Dryad 2017
- AI Speech Recognition Forum- Services utilizing speech recognition.
- Japan-Korea Joint Workshop on Robotics

## ■Special Exhibition Zone:

- iREX2017 Theme Exhibitions
- RT Plaza (University -Research Institute)
- The 7th Robot Awards Joint Exhibition
- Hands-on Projects (only on 2nd December, East Hall 8)

# Grand Opening / Ribbon Cutting Ceremony

Date : Nov. 29 (Wed.) 2017 9:30-10:00

Venue : In front of the Entrance, East Hall 5, Tokyo Big Sight

Number of Participants : Approx. 200people



## 〈Program〉

Guest Speech	Mr. Kosaburo Nishime	State Minister of Economy, Trade and Industry
Organizer Speech	Mr. Yoshiharu Inaba	Chairman, Japan Robot Association (JARA)
Organizer Speech	Mr. Haruhiro Imizu	President, THE NIKKAN KOGYO SHIMBUN, LTD.

## List of Attendees of Ribbon Cutting Ceremony :

Mr. Kosaburo Nishime	State Minister of Economy, Trade and Industry
Mr. Yoshiharu Inaba	Chairman, Japan Robot Association (JARA)
Mr. Yasuhiko Hashimoto	Chairman, Executive Committee of 2017 International Robot Exhibition
Mr. Sadao Tsujita	Chairman, Japan Parts Feeder Industrial Association
Mr. Fumio Iijima	Chief Director, JAPAN WASH INC. Association(JWA)
Mr. Kazuhiko Okamura	Chairman, Japan Industrial Conference on Cleaning
Mr. Tsutomu Hori	Vice Chairman, Exhibition Committee, SAMPE JAPAN
Mr. Atsushi Maekawa	Senior Executive Director, Technology Research Association for Future Additive Manufacturing (TRAFAM)
Mr. Haruhiro Imizu	President, THE NIKKAN KOGYO SHIMBUN





# Opening Reception

Date : Nov. 29 (Wed.) 2017 17:30 - 19:00

Venue : Reception Hall A , Conference Tower 1F, Tokyo Big Sight

Number of Participants : Approx. 600people



# International Reception

Date : Nov. 30 (Thu.) 2017 17:30 - 19:00

Venue : Reception Hall A , Conference Tower 1F, Tokyo Big Sight

Number of Participants : Approx. 500people



# Concurrent Events

## iREX Robot Forum 2017

Date	Nov.29 (Wed.)	Time	15:00~17:00	Number of Participants	Approx. 1,000
Venue	International Conference Room, Conference Tower 7F				
Organizer	Japan Robot Association (JARA), THE NIKKAN KOGYO SHIMBUN				
Admission Free	Simultaneous Interpretation				

Theme: Change the Workplace! together with Robots

### Speakers :

Kawasaki Heavy Industries Managing Executive Officer, General Manager, Robot Division	Mr. Yasuhiko Hashimoto
FANUC Member of the Board Executive Managing Officer, General Manager, ROBOT Business Division	Mr. Kiyonori Inaba
NACHI-FUJIKOSHI Fellow	Mr. Akira Kunisaki
YASKAWA ELECTRIC Corporate Vice President, General Manager, Robotics Division	Mr. Masahiro Ogawa
ABB Group Senior Vice President, Head of Business Unit Robotics	Mr. Per Vegard Nerseth
KUKA Roboter CEO	Mr. Stefan Lampa
Toyota Motor Corporation General Manager, Production Engineering Innovation Division	Mr. Morihiko Ohkura
NITORI Holdings Senior Executive Officer HomeLogistics President	Mr. Manabu Matsuura
Journalist	Ms. Mariko Mikami

Under the theme of ‘Change the workplace!-Together with Robots’, 6 major robot manufacturers from home and abroad and 2 robot- user companies from manufacturing and service industry gathered together under one roof. Panelists held active discussions concerning the decrease of labor force resulting from low birthrates and longevity and the diversifying utilization of robots led by the introduction of AI and IoT.





# NEDO Robot AI Forum 2017

Date	Nov.29 (Wed.)	Time	10:30~17:15	Number of Participants	Approx. 700
Venue	Main Stage, East Hall 6				
Organizer	New Energy and Industrial Technology Development Organization (NEDO)				
Admission Free	Simultaneous Interpretation				

Theme: Robots & AI for Happiness

## Speakers :

- Mr. Kazuo Furukawa (NEDO)
- Mr. Yoji Ueda (Ministry of Economy, Trade and Industry)
- Ms. Naoko Yamazaki (Astronaut)
- Mr. Shuji Yumitori (NEDO)
- Mr. Kazutaka Hasumi (SoftBank Robotics)
- Mr. Hiroshi Ishiguro (Osaka University)
- Mr. Issei Takino (MUJIN)
- Mr. Tsubasa Nakamura (CARTIVATOR)
- Mr. Noriaki Ando (AIST)
- Mr. Hisashi Sekine (NEDO)
- Mr. Akira Sakakibara (Microsoft Japan)
- Mr. Tsuyoshi Motoki (IBM Japan)
- Mr. Junichi Tsujii (AIST)
- Mr. Haruo Takeda (Hitachi)
- Mr. Shigekazu Hayashi (NEDO)
- Mr. Kenji Kondo (Attorney-at-law Fukuda & Kondo)
- Mr. Kenji Wasada (NEDO)
- Ms. Amy Eguchi (Bloomfield College)

Prominent guests, who specialize in Robot and AI introduced the research & development and the latest business trend.



# The 3rd RRI Industrial IoT International Symposium for Connected Industries

Date	Nov. 30 (Thu.)	Time	10:00~17:00	Number of Participants	Approx. 1,000
Venue	International Conference Room, Conference Tower 7F				
Organizer	Ministry of Economy, Trade and Industry / Robot Revolution Initiative				
Admission Free	Simultaneous Interpretation				

## Speakers :

- Mr. Kosaburo Nishime (Ministry of Economy, Trade and Industry)
- Mr. David Aikman (World Economic Forum)
- Mr. Hideaki Omiya (Robot Revolution Initiative)
- Mr. Markus Heß (Federal Ministry for Economic Affairs and Energy)
- Ms. Li Haihua (China Academy of Information and Communications Technology)
- Mr. Wael William Diab (Industrial Internet Consortium)
- Dr. Tomoaki Kubo (Robot Revolution Initiative)
- Dr. Mirko Bordignon (Fraunhofer IPA)
- Dr. Roman Holý (National Center for Industry 4.0)
- Mr. Johan Harvard (Swedish Ministry of Enterprise and Innovation)
- Mr. Toru Ishikuma (Robot Revolution Initiative / Azbil)
- Mr. Naoaki Fujino (Robot Revolution Initiative / NRI)
- Dr. Ulrich Löwen (Siemens AG Corporate Technology)
- Dr. Youichi Nonaka (Robot Revolution Initiative / Hitachi)
- Prof. Fumihiko Kimura (The Univ. of Tokyo)
- Dr. Wolfgang Klasen (Siemens)
- Mr. Thomas Walloschke (Fujitsu Technology Solutions)
- Dr. Takeshi Yoneda (Robot Revolution Initiative / Mitsubishi Electric)
- Prof. Tsutomu Matsumoto (Robot Revolution Initiative / Yokohama National Univ.)
- Mr. Steffen Zimmermann (VDMA)
- Mr. Lukas Linke (ZVEI)

The Ministry of Economy, Trade and Industry (METI) and the Robot Revolution Initiative of Japan (RRI) jointly organized and held the symposium under the theme of “Connected Industries (CI)” . The guest speakers were invited from Germany, China and the United States to appeal the global cooperation in the field of IoT for manufacturing industry.



## The Rise of Service Robots

**Date** Nov. 30 (Thu.)    **Time** 11:00~11:45    **Number of Participants** Approx. 500  
**Venue** Main Stage, East Hall 6  
**Organizer** Japan Robot Association (JARA), THE NIKKAN KOGYO SHIMBUN  
**Admission Free**    **Simultaneous Interpretation**

Speaker:

Mr. Steve Cousins (Savoike)

Mr. Steve Cousins (a founder and CEO of Savoike), an industry leader of autonomous robots, held a lecture regarding the future service robots that contribute to people's happiness and their productive lives, while presenting robot demonstrations.



## International Robot Forum - Robot Development and the Latest Trend in Denmark

**Date** Nov. 30 (Thu.)    **Time** 13:00~15:00    **Number of Participants** Approx. 500  
**Venue** Main Stage, East Hall 6  
**Organizer** Japan Robot Association (JARA), THE NIKKAN KOGYO SHIMBUN, LTD.  
**Admission Free**    **Simultaneous Interpretation**

Speakers:

Mr. Kensuke Nakajima (Denmark Embassy)

Mr. Esben Hallundbæk Østergaard (Universal Robots)

Mr. Yoshio Matsumoto (AIST)

A lecture was held under the theme of “Robot Development and the Latest Trends in Denmark” . The topics ranged from the development of collaborative robots in Denmark, industry 4.0 to cooperation between Japan and overseas in nursing and life-supporting robot categories.



## Society Promoting the Utilization of Robots from Business Point of View -Robotics for Happiness (by WRS) -

**Date** Nov. 30 (Thu.) **Time** 15:30~16:45 **Number of Participants** Approx. 500  
**Venue** Main Stage, East Hall 6  
**Organizer** Japan Robot Association (JARA), THE NIKKAN KOGYO SHIMBUN, LTD.  
**Admission Free** **Simultaneous Interpretation**

### Speakers:

Mr. Shinichiro Sanji (NTT DATA INSTITUTE OF MANAGEMENT CONSULTING)  
Ms. Kaoru Nakagawa (Recruit Jobs)  
Mr. Shinsuke Aoki (Office FA.com)  
Mr. Woo-Keun YOON (Life Robotics)  
Mr. Takashi Izumi (Mitsuiwa)

A lecture was held by top leaders from various industries regarding new models and relationships between system integrators and manufacturers in order to facilitate the utilization of robots.



## Universal Future Society Promotion Forum (The 7th Universal Future Society Promotion Committee)

**Date** Dec. 1 (Fri.) **Time** 10:30~12:00 **Number of Participants** Approx. 500  
**Venue** Main Stage, East Hall 6  
**Organizer** Universal Future Society Promotion Committee  
**Admission Free** **Simultaneous Interpretation**

### Speakers:

Mr. Kan Suzuki (Universal Future Society Promotion Committee / Special Adviser to the Minister of Education, Culture, Sports, Science and Technology / The University of Tokyo / Keio University)  
Ms. Kuniko Obinata (JAPAN Para-Ski Federation / Paralympians Association of Japan(PAJ) / DENTSU PUBLIC RELATIONS)  
Mr. Masashi Sugiyama (RIKEN Center for Advanced Intelligence Project / The University of Tokyo)  
Mr. Hiroya Tanaka (Keio Research Institute at SFC / Keio University)  
Mr. Dai Tamesue (ATHLETE SOCIETY / Former Track and Field Athletics)  
Mr. Takayuki Furuta (Chiba Institute of Technology / Future Robotic Technology Center)  
Mr. Kentaro Kawabe (YAHOO)  
Mr. Hideyo Hirata (The Tokyo Organizing Committee of the Olympic and Paralympic Games)  
Mr. Teruma Nishimoto (Musashino University)

Conference aiming to facilitate showcasing of the latest robot technology in the neighbor of 2020 Tokyo Olympic venue. Realization of universal future society which makes all people can receive wide-range of services necessary for their stress-free lives were discussed from various perspectives.



# To the Society Where Robots and Humans Collaborate ~Live Dryad 2017

Date	Dec. 1 (Fri.)	Time	13:30~18:00	Number of Participants	Approx. 500
Venue	Main Stage, East Hall 6				
Organizer	Research Institute for Re-Creation of Humanity and Nature				
Admission Free	Simultaneous Interpretation				

## Speakers:

- Mr. Yutaka Matsuo (The University of Tokyo)
- Ms. Yuriko Kato (m2 Labo.)
- Mr. Tomohiro Bessho (Ministry of Agriculture, Forestry and Fisheries)
- Mr. Yasufumi Miwa (The Japan Research Institute)
- Mr. Toshiyuki Washitani (Autonomous Control Systems Laboratory)
- Mr. Yoji Kuroda (SEQSENSE)
- Mr. Kaname Hayashi (GROOVE X)
- Mr. Kazuto Ataka (Yahoo)
- Mr. Susumu Tachi (The University of Tokyo)
- Ms. Nao Minamisawa (Actress, Navigator of "Science ZERO", NHK)
- Mr. Hiroyuki Suematsu (Ministry of Economy, Trade and Industry)

Future possibilities to utilize robot technologies in the field of agriculture and food industries were discussed by experts in robotics, AI and VR etc.



## AI Speech Recognition Forum - Future Services Using Speech Recognition

Date	Dec. 2 (Sat.)	Time	15:00~16:30	Number of Participants	Approx. 500
Venue	Main Stage, East Hall 6				
Organizer	MONODZUKURI Nippon Conference, THE NIKKAN KOGYO SHIMBUN				
Admission Free					

Prof. Tatsuya Kawahara of Kyoto University, the leading expert in speech recognition technology, delivered keynote speech concerning the technical trends in this field. Following this, the results of past research projects and the latest trends of up-and-coming venture companies' services using AI speech recognition technology were introduced in the panel discussion. In addition, the possibility of realizing systems using applied technologies such as transcribing voice data of long conversations into minutes, or writing articles like a journalist, were discussed.





# Special Exhibition Zone

## Theme exhibition “The Robot Revolution Has Begun - Toward Heartwarming Society”

Organizer: Japan Robot Association (JARA) / THE NIKKAN KOGYO SHIMBUN, LTD.

Venue : East Hall 5

To realize a heartwarming society, robot makers exhibited and demonstrated the concepts of the near future where humans and robots work together.



## RT (Robot Technology) Plaza

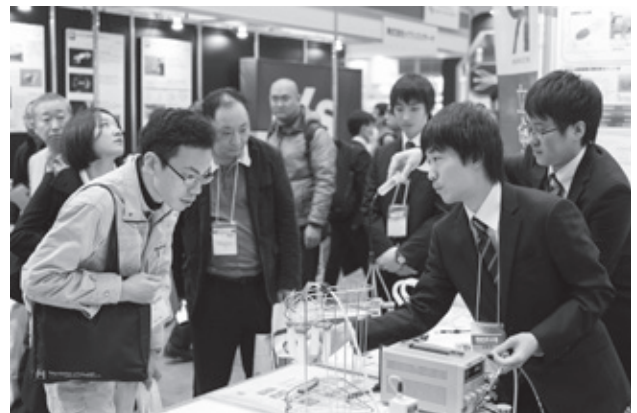
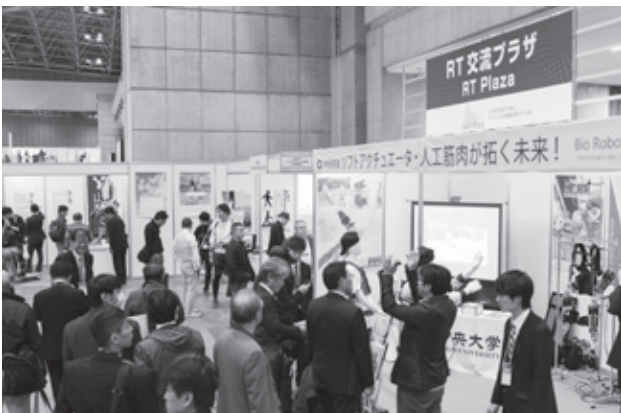
Organizer: Japan Robot Association (JARA)/ THE NIKKAN KOGYO SHIMBUN, LTD.

Exhibitors : 46 Universities and Institutions for 46 booths

(32 Universities and Institutions for 41 booths in the previous)



Introduction zone for universities R&D projects and robot technologies to create RT (Robot Technology) related business. care welfare, agriculture and disaster response robots, etc. were exhibited and demonstrated.



## “THE 7TH ROBOT AWARD” Co-exhibition

Organizer: Ministry of Economy, Trade and Industry/ The Japan Machinery Federation

Venue : East Hall 5



Co-exhibition of the companies that won the 7th Robot Award, exhibition of robots and related technologies in a wide range of fields such as communication robots and agriculture robots, etc.



## “Hands-on International Robot Exhibition” (Dec.2 Only, East Hall 8)

Cooperation : Inter Group/ Microstar/ Matsuyama Industry

Date : Dec.2 (Sat.)

Venue : East Hall 8

Hands-on seminars were held on the last day of the show. Workshop for children by Mr.Yasuhito Udagawa who created the iREX Main Mascot, Space Robot Contest, Programming Education Seminar, Underwater Robot Experience and Test Drive of Smart Mobility, etc.







R2-46

NACHI-FUJIKOSHI

R1-30

FANUC

Lounge

R1-29

DENSO WAVE

R2-41

IAI

R2-44 KEYENCE

R2-40 TATSUTA

R2-39 Oki Electric Gable

R2-38 SANKEI MANUFACTURING

R2-37 TOKYO SENSOR

R2-36 JMACS Japan

R2-35 SPINEA

R2-34 YOSHINOAWA ELECTRIC WIRE & CABLE

R2-33 SEIKEN GRAPHICS

R2-32 NIPPON THOMPSON

R2-31 NIKON

R2-30 KOSMEK

R2-29 KREUZ

R2-28 WACOH-TECH

R2-27 HIROSE ELECTRIC

R2-26

R2-25

R2-24

R1-27 TOSHIBA MACHINE

R1-28 Yushin Precision Equipment

R1-26 ORION MACHINERY

R1-25 THE NIKKAN KOGYO SHIMBUN

R1-24 SCHUNK Intec

R1-23 KIRIYAMA Industries

R1-22 Kyoritsu Industries

R1-21 Metro

R1-20 NIKKO Asset Management

R1-19 Tolyo Robotics

R1-18 SAWA

R1-17 ALTECH

R1-16 Genesis Robotics

R1-15 The Japan Institute of Material Handling

R1-14 MIE ROBOT EXTERIOR TECHNOLOGY LABORATORY

R1-13 AICHI SANGYO

R1-12 KONDOH SEISAKUSHO

R1-11 Nabtesco

R1-10 CKD

R1-09 Miki Pulley

R1-08 ILME Japan

R1-07 THK

R1-06

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-19 Siemens PLM Software

R1-18 UT Technology

R1-17 Shanghai Eyevolution Technology

R1-16 3D MEDIA

R1-15 FUJI FILM

R1-14 Marubeni Information Systems

R1-13 OPTEX FA

R1-12 Canon Marketing Japan

R1-11 JBM

R1-10 APIC24 / AUTOMATION NEWS

R1-09 CENT JAPAN

R1-08 DAISHIN-GIKEN

R1-07 Soloman Technology

R1-06 OVIET

R1-05 APIC24 / AUTOMATION NEWS

R1-04 Micro Technica

R1-03 SPI Engineering

R1-02 LIPS

R2-27 WACOH-TECH

R2-26 HIROSE ELECTRIC

R2-25 YOSHINOAWA ELECTRIC WIRE & CABLE

R2-24 SEIKEN GRAPHICS

R2-34 YOSHINOAWA ELECTRIC WIRE & CABLE

R2-33 SEIKEN GRAPHICS

R2-32 NIPPON THOMPSON

R2-31 NIKON

R2-30 KOSMEK

R2-29 KREUZ

R2-28 WACOH-TECH

R2-27 HIROSE ELECTRIC

R2-26

R2-25

R2-24

R1-27 TOSHIBA MACHINE

R1-28 Yushin Precision Equipment

R1-26 ORION MACHINERY

R1-25 THE NIKKAN KOGYO SHIMBUN

R1-24 SCHUNK Intec

R1-23 KIRIYAMA Industries

R1-22 Kyoritsu Industries

R1-21 Metro

R1-20 NIKKO Asset Management

R1-19 Tolyo Robotics

R1-18 SAWA

R1-17 ALTECH

R1-16 Genesis Robotics

R1-15 The Japan Institute of Material Handling

R1-14 MIE ROBOT EXTERIOR TECHNOLOGY LABORATORY

R1-13 AICHI SANGYO

R1-12 KONDOH SEISAKUSHO

R1-11 Nabtesco

R1-10 CKD

R1-09 Miki Pulley

R1-08 ILME Japan

R1-07 THK

R1-06

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-19 Siemens PLM Software

R1-18 UT Technology

R1-17 Shanghai Eyevolution Technology

R1-16 3D MEDIA

R1-15 FUJI FILM

R1-14 Marubeni Information Systems

R1-13 OPTEX FA

R1-12 Canon Marketing Japan

R1-11 JBM

R1-10 APIC24 / AUTOMATION NEWS

R1-09 CENT JAPAN

R1-08 DAISHIN-GIKEN

R1-07 Soloman Technology

R1-06 OVIET

R1-05 APIC24 / AUTOMATION NEWS

R1-04 Micro Technica

R1-03 SPI Engineering

R1-02 LIPS

R2-13 KOSMEK

R2-12 KREUZ

R2-19 NIPPON THOMPSON

R2-18 NICHIDEN

R2-17 KASITO SEIKI

R2-16 PIAB Japan

R2-15 NIPPON THOMPSON

R2-14 TAIYO

R2-13 KOSMEK

R2-12 KREUZ

R2-11 NIKON

R2-10 KASITO SEIKI

R2-09 PIAB Japan

R2-08 NICHIDEN

R2-07 KASITO SEIKI

R2-06 PIAB Japan

R2-05 TAIYO

R2-04

R2-03 Renishaw

R2-02 NIKON

R2-01 NIKKEN

R1-10 CKD

R1-09 Miki Pulley

R1-08 ILME Japan

R1-07 THK

R1-06

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-09 Miki Pulley

R1-08 ILME Japan

R1-07 THK

R1-06

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-01 KAWADA ROBOTICS / GLORY / Hitachi High-Technologies / THK INTECHS

R1-02 THK

R1-03 MIE UNIVERSITY

R1-04 Leaderdrive Harmonious Drive System

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-06 OVIET

R1-07 Soloman Technology

R1-08 DAISHIN-GIKEN

R1-09 CENT JAPAN

R1-10 APIC24 / AUTOMATION NEWS

R1-11 JBM

R1-12 Canon Marketing Japan

R1-13 OPTEX FA

R1-14 Marubeni Information Systems

R1-15 FUJI FILM

R1-16 3D MEDIA

R1-17 Shanghai Eyevolution Technology

R1-18 UT Technology

R1-19 Siemens PLM Software

R2-06 ASA ELECTRONICS INDUSTRY

R2-05 KMT

R2-04 TAIYO

R2-03 Renishaw

R2-02 NIKON

R2-01 NIKKEN

R2-02 NIKON

R2-01 NIKKEN

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-04 Leaderdrive Harmonious Drive System

R1-03 MIE UNIVERSITY

R1-02

R1-01 KAWADA ROBOTICS / GLORY / Hitachi High-Technologies / THK INTECHS

R1-02 THK

R1-03 MIE UNIVERSITY

R1-04 Leaderdrive Harmonious Drive System

R1-05 THE NIKKAN KOGYO SHIMBUN

R1-06 OVIET

R1-07 Soloman Technology

R1-08 DAISHIN-GIKEN

R1-09 CENT JAPAN

R1-10 APIC24 / AUTOMATION NEWS

R1-11 JBM

R1-12 Canon Marketing Japan

R1-13 OPTEX FA

R1-14 Marubeni Information Systems

R1-15 FUJI FILM

R1-16 3D MEDIA

R1-17 Shanghai Eyevolution Technology

R1-18 UT Technology

R1-19 Siemens PLM Software



R5-04 UENOTECHNICA

R5-03 SEIBU ELECTRIC & MACHINERY

R5-02 Demonstration Project for the Introduction of Robots for the Ministry of Economy, Trade and Industry

R5-01 The 7th Robot Award

R5-00 Techman Robot

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R5-11 YUTAKA ELECTRONICS INDUSTRY

R5-10 Sumitomo Riko

R5-09 ASTECNOS

R5-08 Festo

R5-07 Autonomous Control Systems Laboratory

R5-06 Sanmei Mechanical

R5-05 KUKA Robotics Japan

R5-04 KAWASAKI HEAVY INDUSTRIES

R5-03 YASKAWA ELECTRIC

R5-02 MITSUBISHI ELECTRIC

R5-01 FUJI MACHINE MANUFACTURING

R5-00 STAUBLI

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R5-12 Korea Association of Robot Industry (KARI) Korean Pavilion

R5-11 YUTAKA ELECTRONICS INDUSTRY

R5-10 Sumitomo Riko

R5-09 ASTECNOS

R5-08 Festo

R5-07 Autonomous Control Systems Laboratory

R5-06 Sanmei Mechanical

R5-05 KUKA Robotics Japan

R5-04 KAWASAKI HEAVY INDUSTRIES

R5-03 YASKAWA ELECTRIC

R5-02 MITSUBISHI ELECTRIC

R5-01 FUJI MACHINE MANUFACTURING

R5-00 STAUBLI

R5-11 YUTAKA ELECTRONICS INDUSTRY

R5-10 Sumitomo Riko

R5-09 ASTECNOS

R5-08 Festo

R5-07 Autonomous Control Systems Laboratory

R5-06 Sanmei Mechanical

R5-05 KUKA Robotics Japan

R5-04 KAWASAKI HEAVY INDUSTRIES

R5-03 YASKAWA ELECTRIC

R5-02 MITSUBISHI ELECTRIC

R5-01 FUJI MACHINE MANUFACTURING

R5-00 STAUBLI

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R5-01 FUJI MACHINE MANUFACTURING

R5-00 STAUBLI

R5-19 IDEC

R5-18 DYNAX

R5-17 KANEKO CORD

R5-16 SOFTRONICS

R5-15 Toshiba Infrastructure Systems & Solutions

R5-14 KOSHIN DENKI KOGYO

R5-13 OMRON

R5-12 Korea Association of Robot Industry (KARI) Korean Pavilion

R5-11 YUTAKA ELECTRONICS INDUSTRY

R5-10 Sumitomo Riko

R5-09 ASTECNOS

R5-08 Festo

R5-07 Autonomous Control Systems Laboratory

R5-06 Sanmei Mechanical

R5-05 KUKA Robotics Japan

R5-04 KAWASAKI HEAVY INDUSTRIES

R5-03 YASKAWA ELECTRIC

R5-02 MITSUBISHI ELECTRIC

R5-01 FUJI MACHINE MANUFACTURING

R5-00 STAUBLI

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-09 ROYAL DANISH EMBASSY

R4-08 OGINO SEISAKUSHO

R4-07 DOOG

R4-06 CITIZEN MICRO

R4-05 Mamezou

R4-04 NISSEI

R4-03 The ORiN Forum Secretariat

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R4-02 CAPTAIN INDUSTRIES

R4-01 Physical Photon

R4-00 IWATA MFG.

R5-22 KAWASAKI HEAVY INDUSTRIES

R4-47 YASKAWA ELECTRIC

R4-46 MITSUBISHI ELECTRIC

Lounge



Exhibitor's Meeting Room 2



# List of Exhibitors

※co-exhibitor

## Industrial Robot Zone

IR3-56 ABB  
 IR1-14 AICHI SANGYO  
 IR1-17 ALTECH  
 ※TAKUMI  
 IR3-37 ARGO  
 IR2-06 ASA ELECTRONICS INDUSTRY  
 IR2-35 ASAHIKOHSAN  
 IR5-09 ASTECNOS  
 IR3-72 Asyrl  
 IR3-89 AUTOMATICA 2018 -  
 Messe Muenchen  
 IR4-33 Autonomous Control  
 Systems Laboratory  
 IR4-10 AXA Investment Managers Japan  
 ※Daiwa Asset Management  
 IR2-16 B&PLUS  
 IR3-44 BL AUTOTEC  
 IR4-13 Captain Industries  
 ※Axelent  
 ※Rollon  
 IR3-93 CHINA INTELLIGENT  
 MANUFACTURING INDUSTRIAL  
 PARK  
 ※Shanghai ROB  
 Intelligent Technology  
 IR3-81 China International Industry  
 Fair Robotics Show /  
 Shanghai Robot Industry  
 Association  
 IR3-48 CHINA SERVICE ROBOTS  
 APPLICATION&PROMOTION  
 ALLIANCE  
 IR3-83 CIROS  
 IR4-04 CITIZEN MICRO  
 IR1-10 CKD  
 IR3-78 Coex  
 IR3-03 Coreless Motor  
 IR4-44 CREATIVE TECHNOLOGY  
 IR3-54 CTX  
 ※CTK-EAST  
 ※CTK-WEST  
 IR4-23 DAIDO  
 IR2-47 DAIHEN  
 IR4-30 DAI-ICHI SEIKO  
 IR2-34 DAIWA DENGYO  
 IR3-15 DECSYS  
 IR5-02 Demonstration Project for  
 the Introduction of Robots  
 (Ministry of Economy, Trade  
 and Industry)  
 IR1-29 DENSO WAVE  
 IR3-68 DM Card Japan  
 IR4-05 Doog  
 IR4-15 DYDEN  
 IR5-18 DYNAX  
 IR4-16 ENATEC  
 IR3-42 EPSON SALES JAPAN  
 ※SEIKO EPSON  
 IR3-73 EVER-ON  
 IR3-02 EXCEL  
 IR1-30 FANUC  
 IR4-34 Festo  
 IR5-21 Fuji Machine Manufacturing  
 IR3-50 Futaba Town Fukushima  
 Prefecture  
 IR3-47 G-HOO  
 IR1-32 Genesis Robotics  
 IR3-13 Germany Trade & Invest(GTAI)  
 IR3-27 Gimatic Japan  
 IR3-63 Grenzbach Machinery (Jiashan)  
 IR3-57 Grine Planning  
 IR3-46 HAKKO AUTOMATION  
 ※SK Solution  
 IR4-45 HARMONIC DRIVE SYSTEMS  
 IR4-06 HAYASHI-MFG.  
 IR2-45 Hirata  
 IR2-26 HIROSE ELECTRIC  
 IR4-28 Hiroshima Manufacturing  
 Engineering Association(HMEA)  
 ※DaikyōNishikawa  
 ※Hi-Elecom  
 ※HIROTEC  
 ※ICHIKAWA BUSSAN  
 ※Interface  
 ※Mec-Design  
 ※SIGMA  
 ※y-tec  
 IR2-20 Hitachi Metals  
 IR3-25 HIWIN  
 IR2-41 IAI  
 IR1-07 IC  
 IR5-19 IDEC  
 ※IDEC FACTORY  
 SOLUTIONS  
 IR3-87 Industrial Value Chain Initiative

IR3-88 International Federation of  
 Robotics(IFR)  
 IR3-43 igus  
 IR4-35 Iizuka Research and  
 Development Organization  
 ※Kyutech  
 ※RADRIX  
 IR1-08 ILME Japan  
 IR3-16 INABA DENKI SANGYO  
 IR2-30 IRISO ELECTRONICS  
 IR4-20 IWATA MFG.  
 IR3-33 Japan Forming Machinery  
 Association  
 IR3-90 Japan Packaging Machinery  
 Manufacturers Association  
 Japan Robot Association (JARA)  
 IR2-33 JMACS Japan  
 IR5-17 KANEKO CORD  
 IR2-10 KANTO SEIKI  
 IR2-21 Kantum Electronics  
 IR5-22 Kawasaki Heavy Industries  
 IR1-01 KAWADA ROBOTICS  
 ※GLORY  
 ※Hitachi High-Technologies  
 ※THK INTECHS  
 IR3-59 KEBA Japan  
 IR2-44 KEYENCE  
 IR3-82 KH Gears  
 IR3-05 Kimura  
 IR1-23 Kitagawa Industries  
 IR3-04 KMECS  
 IR2-05 KMT  
 IR5-07 Kobotto  
 IR3-26 KOFUSEIBYO  
 IR3-95 KOGYO TSUSHIN  
 IR2-36 KOHARA GEAR INDUSTRY  
 IR1-12 KONDOH SEISAKUSHO  
 IR5-12 Korea Association of Robot  
 Industry (KAR)  
 ※Gyeonggido Business &  
 Science Accelerator(GBSA)  
 ※BETO KOREA  
 ※COREROBOT  
 ※DAE SHIN M/C  
 ※DAINCUBE  
 ※Eraetech  
 ※EXOATLET ASIA  
 ※eyedea  
 ※Hanbit Drone  
 ※IDLE  
 ※Innoplaylab  
 ※IRROBOT  
 ※LACOM TECH  
 ※Neuromeka  
 ※ROLabs  
 ※You Friend  
 IR5-14 Koshin Denki Kogyo  
 IR2-13 KOSMEK  
 IR2-12 KREUZ  
 IR4-31 KUKA Robotics Japan  
 IR3-29 KURABO INDUSTRIES  
 TECHNICAL RESEARCH  
 LABORATORY  
 Kyoritsu Industries  
 IR1-22 Leaderdrive Harmonious  
 IR1-04 Drive System  
 IR3-41 Leptrino  
 IR4-24 Life Robotics  
 IR4-03 Mamezou  
 IR1-21 Metrol  
 IR1-16 MIE ROBOT EXTERIOR  
 TECHNOLOGY  
 LABORATORY  
 IR1-03 MIE UNIVERSITY  
 ※NABELL  
 IR1-09 Miki Pulley  
 IR4-01 MISEC  
 IR4-46 Mitsubishi Electric  
 IR3-22 Mitutoyo  
 IR3-18 MORITA & COMPANY  
 IR4-40 MUJIN  
 ※FA Products  
 ※OMRON  
 ※SANMEI  
 ※SANMEI MECHANICAL  
 ※SANMEI ELECTRONICS  
 ※JET  
 ※Shinohara Press Service  
 ※SEIBU ELECTRIC &  
 MACHINERY  
 ※Transcend  
 ※HASHIMOTO DENKI  
 ※PAL  
 ※MEIWA e-TEC.  
 IR3-24 Myotoku  
 IR3-52 N-TECH

IR2-23 Nabeya Bi-tech Kaisha  
 IR1-11 Nabtesco  
 IR2-46 NACHI-FUJIKOSHI  
 IR2-18 NICHIDEN  
 IR3-49 NIDEC-SHIMPO  
 ※NIDEC  
 ※NIDEC SANKYO  
 IR3-06 NIHON BINARY  
 IR2-02 NIHON MARUKO  
 IR4-27 NIHON PISCO  
 IR2-01 NIKKEN  
 ※TAKENAKA  
 IR1-20 Nikko Asset Management  
 IR2-11 NIKON  
 IR3-36 NIPPON BEARING  
 IR2-19 NIPPON THOMPSON  
 IR4-14 NISSEI  
 IR2-17 Nitta  
 IR4-17 NOMURA UNISON  
 ※NANSHIN KIKOU  
 IR3-30 NPM High Technologies  
 ※ELMO Motion Control  
 ※Kollmorgen  
 IR2-14 NSK  
 IR3-84 NTS  
 IR1-13 NVIDIA  
 IR4-07 OGINO SEISAKUSHO  
 IR3-08 OGURA CLUTCH  
 IR2-39 Oki Electric Cable  
 IR5-13 OMRON  
 IR5-06 On Robot  
 IR5-05 OptoForce  
 IR1-25 ORION MACHINERY  
 ※HIGASHINIHO ORION  
 IR4-08 Ota City Industrial  
 Promotion Organization  
 IR3-10 Parts Supply Center  
 ※Xiamen Wain Electrical  
 IR4-12 PHYSICAL PHOTON  
 IR2-09 PIAB Japan  
 IR3-21 RAYDENT INDUSTRIAL  
 IR2-03 Renishaw  
 IR4-02 RICOH  
 IR3-35 Robot Revolution Initiative (RRI)  
 IR3-23 ROBOTEC  
 ※Unipulse  
 IR3-14 ROHM  
 IR4-09 Royal Danish Embassy  
 IR4-42 SAN-E TEC  
 IR4-36 Sankei Industry  
 IR2-38 SANKEI MANUFACTURING  
 IR4-21 SANKYO SEISAKUSHO  
 IR3-07 Sanmatsu  
 IR4-32 Sanmei Mechanical  
 IR4-43 Sanyu Industries  
 IR4-38 SATECH Safety Technology  
 IR1-18 SAWA  
 IR3-40 SBC  
 IR3-31 Schmalz  
 IR1-24 SCHUNK Intec  
 IR5-03 SEIBU ELECTRIC&MACHINERY  
 IR2-25 SEIKEN GRAPHICS  
 IR2-31 SENSHU ELECTRIC  
 ※NBS  
 IR3-19 SERVO-ROBOT  
 IR3-75 Shanghai Plutools Automation  
 IR2-08 Shenzhen Yuejiang  
 Technology (DOBOT)  
 IR3-45 Shinano Seimitsu  
 IR3-60 SK MACHINERY  
 IR4-39 SMC  
 IR5-16 SOFTRONICS  
 ※MICRO SERVO  
 IR4-26 SOLIDWORKS Japan  
 IR2-32 SPINEA  
 IR2-29 SQUSE  
 IR2-07 STAR SEIKI EINS DIVISION  
 ※Kunimori Kagaku  
 IR5-20 STAUBLI  
 IR2-15 Sugino Machine  
 IR3-58 Sumitomo Heavy Industries  
 Mechatronics Division  
 IR2-22 Sumitomo Heavy Industries  
 PTC Group  
 IR5-10 Sumitomo Riko  
 IR2-28 SUS  
 IR3-39 Symphony Marketing  
 IR3-20 Taiwan Pavilion  
 ※ICOP TECHNOLOGY  
 ※LEADERG  
 ※SF TECHNOLOGY  
 ※TAIROA  
 IR2-04 TAIYO  
 IR2-43 TAMAGAWA SEIKI  
 IR2-40 TATSUTA  
 IR1-15 Tatsuta Electric Wire & Cable

※CHUGOKU ELECTRIC  
 WIRE & CABLE  
 ※Tachii Electric Wire  
 IR5-01 Techman Robot  
 IR3-09 Techno Dynamics  
 IR3-32 Technohands  
 IR3-34 Technology Link  
 IR5-24 The 7th Robot Award  
 IR3-91 The Japan Food Machinery  
 Manufacturers' Association  
 IR1-31 The Japan Institute of  
 Material Handling  
 IR3-28 THE NIKKAN KOGYO SHIMBUN  
 IR4-22 The ORin Forum Secretariat  
 IR1-02 THK  
 ※THK INTECHS  
 IR3-55 Tobii Technology  
 IR3-12 TOKYO ELECTRON DEVICE  
 IR1-19 Tokyo Robotics  
 IR2-37 TOKYO SENSOR  
 IR5-15 Toshiba Infrastructure  
 Systems & Solutions  
 IR1-27 TOSHIBA MACHINE  
 IR5-04 UENOTECHNICA  
 IR3-01 Unioriental Optics  
 IR5-08 Universal Robots  
 IR2-27 YACOH-TECH  
 IR3-17 WTM  
 IR2-42 YAMAHA MOTOR  
 IR4-47 YASKAWA ELECTRIC  
 IR3-62 YOODS  
 ※FORKS  
 IR2-24 YOSHINOAWA  
 ELECTRIC WIRE&CABLE  
 IR1-28 Yushin Precision Equipment  
 IR5-11 YUTAKA ELECTRONICS  
 INDUSTRY

## Robot Simulation & Vision System Zone

IRV-16 3D MEDIA  
 IRV-05 APERZA / AUTOMATION NEWS  
 IRV-10 Canon Marketing Japan  
 IRV-09 CENIT JAPAN  
 IRV-06 Cosmograph  
 IRV-08 DAISHIN-GIKEN  
 IRV-15 FUJIFILM  
 IRV-12 Genetec  
 IRV-13 JBM  
 IRV-01 LIPS  
 IRV-11 Marubeni Information Systems  
 IRV-11 Micro Technica  
 IRV-17 OPTEX FA  
 IRV-02 QVIT  
 IRV-14 Shanghai Eyevolution Technology  
 ※Bi2-Vision  
 IRV-19 Siemens PLM Software  
 ※INFORMATION  
 SERVICES  
 INTERNATIONAL-  
 DENTSU  
 ※NTT DATA  
 ENGINEERING  
 SYSTEMS  
 ※UT Technology  
 IRV-07 Solomon Technology  
 IRV-03 SPI Engineering  
 IRV-18 UT Technology

## Service Robot Zone

SR-42 Aichi Robot Cluster  
 Promotion Council  
 ※ASKA  
 ※BYNAS  
 ※KER  
 ※MAXIS-ENGINEERING  
 ※VM  
 SR-51 AMY Robotics  
 SR-29 Bot3  
 SR-28 CANON FINETECH NISCA  
 SR-64 Eifer Elektro Firma  
 SR-30 FADrone  
 SR-39 FUJITSU  
 ※Unirobot  
 SR-43 FUKUSHIMA  
 PREFECTURAL  
 GOVERNMENT  
 ※AIZUK  
 ※CAST / SHIRAKAWA  
 Sokeizai VALLEY  
 ※FSK  
 ※GClue  
 ※NTS  
 ※SACRA-TECH  
 SR-04 H2L



SR-46 ※KAWABUCHI  
Mechanical  
Engineering Laboratory  
SR-34 Hamaguchi Urethane  
SR-34 HiBot  
SR-15 Hitachi Systems  
SR-35 HOKUYO AUTOMATIC  
SR-07 i-RooBO Network Forum  
※AIDOR · Osaka City  
Government  
※Futaba  
※MICRO VEHICLE LAB  
※NIPPON TELEGRAPH  
AND TELEPHONE  
※TOYO RIKI  
※VSTONE  
SR-44 ImPACT Tough · Robotics ·  
Challenge/  
Japan Science &  
Technology Agency  
SR-22 INDUSTRY NETWORK  
SR-05 INNOECHO/INNOROBO  
SR-54 ITC  
SR-83 Japan Agency for Medical  
Research and Development  
(AMED)  
SR-33 Japan Atomic Energy  
Agency Naraha Remote  
Technology Development Center  
SR-81 JTEKT  
SR-56 Kakamigahara City  
※IMASEN ENGINEERING  
※VR Techno center  
SR-52 Kitakyushu Robot Forum / FAIS  
※Fukuoka Prefectural  
Robotics & Advanced  
System Industry  
Development Council/  
Fukuoka medical and  
welfare device  
development and trial  
network  
SR-47 Kobe Biomedical  
Innovation Cluster  
※AWAJITEC  
※KYOKKO ELECTRIC  
SR-58 KOENN  
SR-72 KONDO KAGAKU  
SR-66 K-power RC Servo Model Technology  
SR-50 Leishen Intelligent System  
SR-57 Leju (Shenzhen) Robotics  
SR-19 MACNICA  
SR-71 maxon japan  
SR-06 Microstar  
SR-16 MICROTTECH LABORATORY  
SR-59 MIDC (Manufacturing  
Innovation Development  
Corporation) of Hanbat  
University  
SR-80 Ministry of Agriculture,  
Forestry and Fisheries  
※IAM-NARO/SIP-the  
Cabinet Office, Japan  
※INNOPHYS  
※KUBOTA  
※Panasonic  
※Quasi-Zenith Satellite  
System Services  
※SQUSE  
※The University of Tokyo /  
SANYO KIKI  
※UNIVERSITY OF  
YAMANASHI  
※UTSUNOMIYA  
UNIVERSITY  
※Wakayama University  
SR-32 Mitsubishi Heavy Industries  
※Mitsubishi Electric  
TOKKI Systems  
SR-75 MUSCLE  
SR-76 Nagasaki Prefecture  
SR-74 National Institute of  
Advanced Industrial  
Science and Technology  
(AIST)  
SR-09 New Energy and Industrial  
Technology Development  
Organization (NEDO) /  
World Robot Summit (WRS)  
SR-20 Next Technology  
SR-41 Nihon Unisys  
SR-45 NIKKARI  
SR-62 NOK  
※NIPPON MEKTRON  
SR-02 Ohmsha  
SR-63 OKANO CABLE

SR-79 Panasonic  
SR-38 Pangolin-robot Japan  
SR-27 RayTron  
SR-87 REPRESENTATIVE  
OFFICE IN JAPAN FOR  
TIANJIN ECONOMIC  
TECHNOLOGICAL  
DEVELOPMENT AREA  
SR-86 Research Institute for Re-Creation  
of Humanity and Nature  
SR-17 REVAST  
SR-03 Robot Services initiative (RSi)  
SR-14 robot start  
SR-37 ROBOTIS  
SR-68 Rosnes  
SR-18 Rozetta  
SR-26 RT  
SR-61 Saitama Prefecture  
※BODUK  
※COSMIC M.E  
※Saitama Industrial  
Technology Center  
※SEIKATSU KAKUMEI  
SR-73 Sales On Demand Corporation  
SR-49 SANWA ELECTRONIC  
INSTRUMENT  
SR-78 SEQSENSE  
SR-67 Shandong Chuangze  
Information & Technology  
SR-21 Shanghai Slamtec  
SR-31 Shinano Kenshi  
SR-24 SHINKO ENGINEERING RESEARCH  
SR-25 Shinkoh electronics  
SR-13 Smart Robotics  
※Ecare Life Technologies  
SR-40 SMFL Rental  
SR-48 Systems Engineering Consultants  
SR-65 T-D-F  
SR-60 Takako Industries  
SR-23 The Robotics Society of Japan  
SR-12 THE UNIVERSITY OF AIZU  
SR-01 THK  
SR-10 Tochigi Prefecture  
※eava  
※Iyobe Shyouji  
※OGURA KINZOKU  
SR-85 Tohoku University  
SR-08 Tokyo Metropolitan  
Industrial Technology  
Research Institute  
SR-77 Tokyo University of Science

#### ■ RT Plaza

RT-04 Bioinspired Intelligent Mechatronics Lab, Department of Robotics, Ritsumeikan University  
RT-09 Bio-Robotics & Human-Mechatronics Laboratory, Waseda University  
RT-06 Center for Human-Robot Symbiosis Reseach, Toyohashi University Technology  
RT-17 Chuo university bio-mechatronics lab  
RT-05 Hiroyasu Iwata Lab., Waseda Univ.  
RT-01 Humanoid Systems Laboratory, Ritsumeikan University  
RT-12 Information and Robot Technology Research Initiative, The University of Tokyo  
RT-19 Intelligent Mechanical Engineering Course, Department of Mechanical Engineering, Faculty of Engineering, Gifu University  
RT-30 Ishikawa Watanabe Laboratory, The University of Tokyo  
RT-34 Kanazawa Institute of Technology, Nakazawa Laboratory  
RT-03 Kawamura Laboratory, Department of Robotics, Science and Engineering, Ritsumeikan University  
RT-18 Keio University Haptics Research Center  
※Nozaki Lab.  
RT-33 Kobe City College of Technology  
RT-24 Koganezawa Labo., Kai Labo., Sakagami Labo., Tokai University  
RT-26 Maeda Lab, Yokohama National University  
RT-11 NIPPON INSTITUTE OF TECHNOLOGY  
RT-16 Osamu Hasegawa Lab., Tokyo Institute of Technology  
※SOINN  
RT-23 Ozaki Laboratory, Utsunomiya University  
※Kawakami Laboratory, Jichi Medical University  
RT-20 Ozaki Laboratory, Utsunomiya University  
RT-15 Robotics Consortium of Shibaura Institute of Technology  
RT-21 Robotics Lab. In Computer Science of National Defense Academy  
RT-32 SHIMA Laboratory, Faculty of Engineering, YOKOHAMA National University  
※Graduate School of Comprehensive Scientific Research, Prefectural University of Hiroshima  
RT-02 Soft Robotics Lab., Dept. Robotics, Ritsumeikan Univ.  
RT-27 T.K.Saito Laboratory, Akita Prefectural University  
RT-28 Tanaka lab. (Waseda Univ.) + Yuge Lab. (Hiroshima Univ.)  
※Yuge Lab., Graduate School of Biomedical & Health Sciences, Hiroshima Univ.  
RT-31 The University of Electro-Communications  
※ChiCaRo  
RT-10 University of Tsukuba, Biological Cybernetics Lab  
※Crescent  
※Japan Aerospace Exploration Agency (JAXA)  
※National Institute of Advanced Industrial Science and Technology (AIST)  
※Tamagawa University  
RT-13 University of Yamanashi, Mechanical Dynamics Laborator  
RT-29 University of Yamanashi, Terada laboratory  
RT-22 UTARC: Robotics Research Group in University of Tsukuba  
RT-08 Waseda University  
RT-07 Waseda University Kabe Lab.  
RT-25 Yamagata University Soft Matter Robotics Consortium  
RT-14 Yamagata University, Faculty of Eng., Tsumaki lab.

SR-53 ※Asahi sun clean  
SR-36 ※INNOPHYS  
※KIKUCHI  
SEISAKUSHO  
TOYOTA INDUSTRIES  
TOYAMA Robot Technical  
Meeting Net-Work /  
Toyama New Industry  
Organization  
※Buntechnica  
※JRM Group./  
MICROJENICS  
※NIC Autotec  
※Oyabe Seiki  
※Shikino High-Tech  
SR-70 TOYOTA MOTOR  
SR-88 UFACTORY  
SR-11 Yamashita Materials  
SR-69 YUKAI Engineering  
SR-90 U-Chain AI Technology

#### ■ Kanagawa Robot Innovation

SR-84 AR'S  
Atsugi City  
ATSUMO (Atsugi  
Monozukuri Brand Project)  
BAYSUN  
DAIWA HOUSE INDUSTRY  
DOUBLE Research and  
Development  
EXTCOM  
FUJI SOFT  
iXs Research  
Kanagawa Industrial  
Promotion Center  
Kanagawa Institute of  
Industrial Science  
and Technology  
Kanagawa Prefectural  
Council for Promoting  
Business and Industrial  
Establishment  
KANAGAWA  
UNIVERSITY  
KAWAMOTO HEAVY INDUSTRIES  
KAWASAKI ROBOT Festival  
KOWATECH  
LuckySoft  
MAXIMUM TECHNOLOGY  
Ogawayuki  
ReTech

REVOX  
Robot Yuenchi  
SAGAMI ELECTRONICS INDUSTRY  
Sagamihara Robot Business  
Conference  
※CARROT SYSTEMS  
※Eishin Techno  
※F-Design  
※JET  
※Media Plus  
※MEMO Technos  
※Sagamihara HSR  
Social implementation  
Study Group  
※Sagamihara ROBOT  
SUPPORT CENTER  
※Servotechno  
※Yutaka Seiko  
SHINPO ELECTRONICS  
Shinyou Reinetsu Industry  
※ASAI ENGINEERING  
Sugiura Machine Design Office  
TeleBusiness  
U System Design  
VECTOR  
※Bay Area Motenashi  
Robot Research Group  
Yokohama Denshi

#### ■ Monozukuri Pavilion with Kanagawa

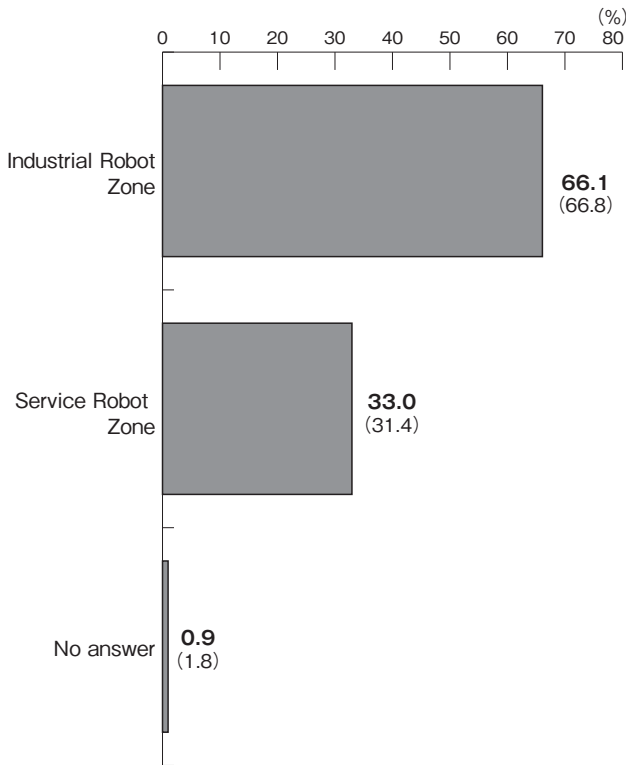
SR-84 ARP  
Hattori Bankin Ind  
Niigata  
Techtrage  
The Fujisawa Chamber of  
Commerce & Industry  
※moldtec  
※Morishige  
Manufacturing  
※Nichiden Kogyo  
※SAIMA  
※TAKAI SEIKI  
Yokohama Factory

# Visitor Statistics (30,000 responses)

※Parentheses are of 2015

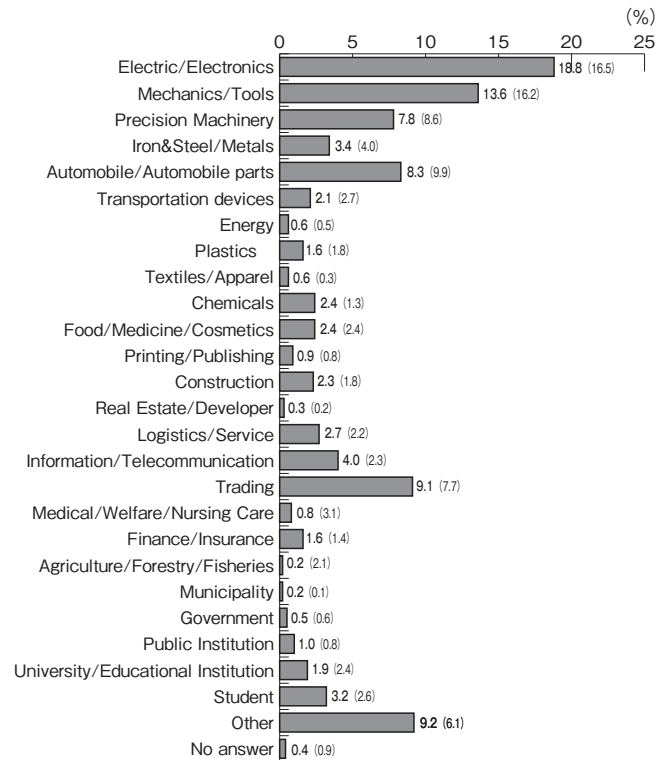
## Q.1

Which robot Zone are you interested in?



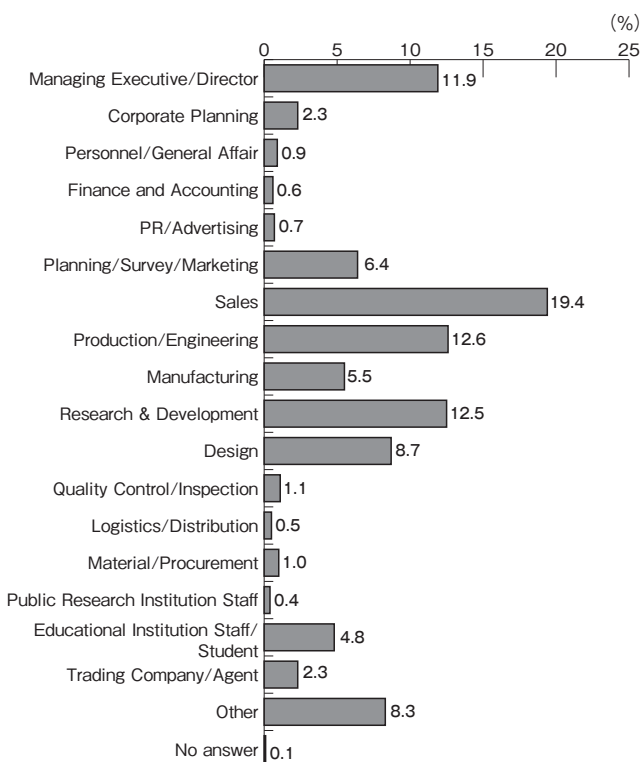
## Q.2

Which industry are you involved in?



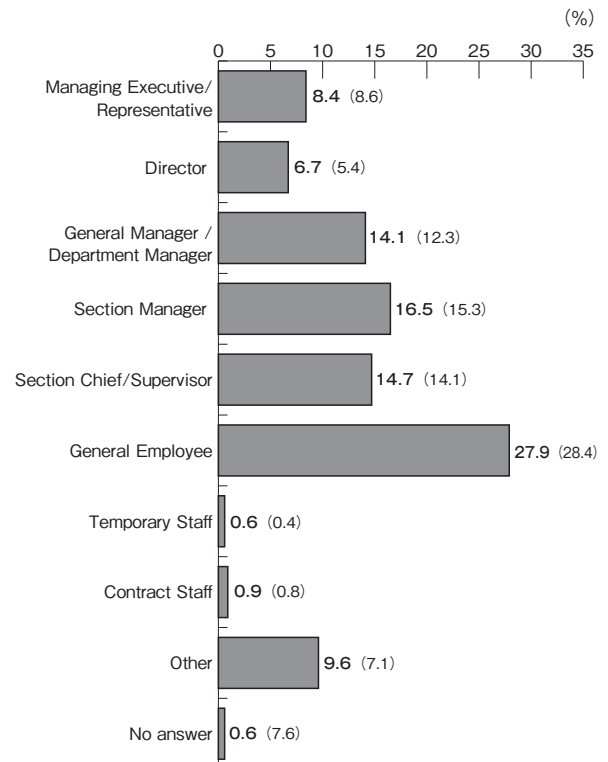
## Q.3

What is your occupation?



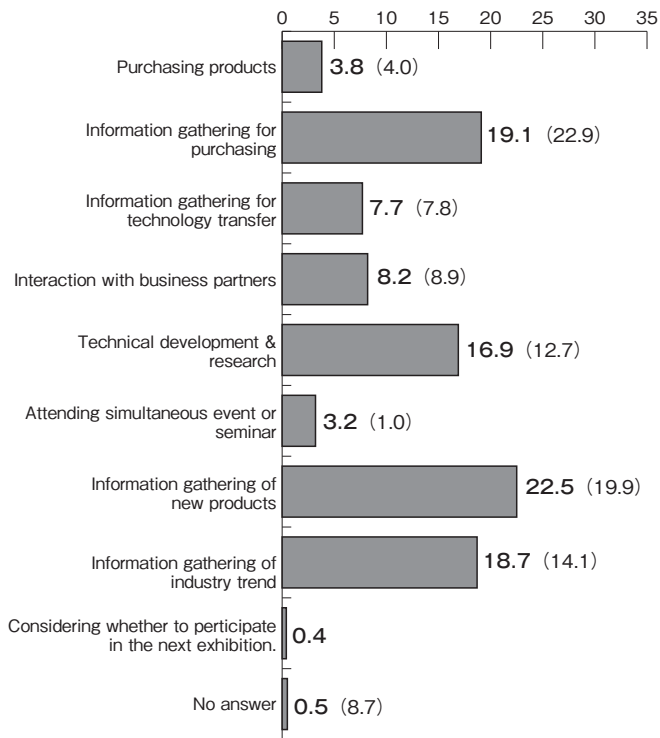
## Q.4

What is your title?



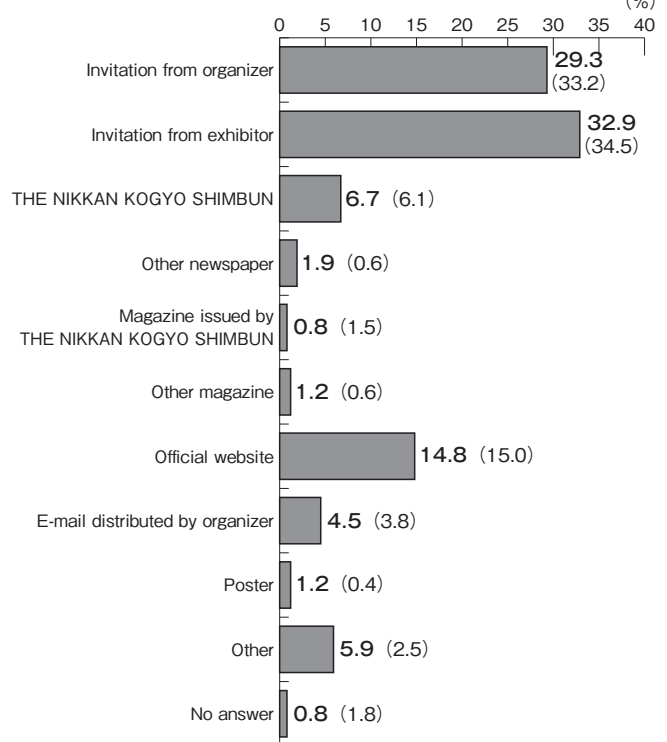
### Q.5

What is your purpose of the visit to this exhibition? (multiple choices allowed) (%)



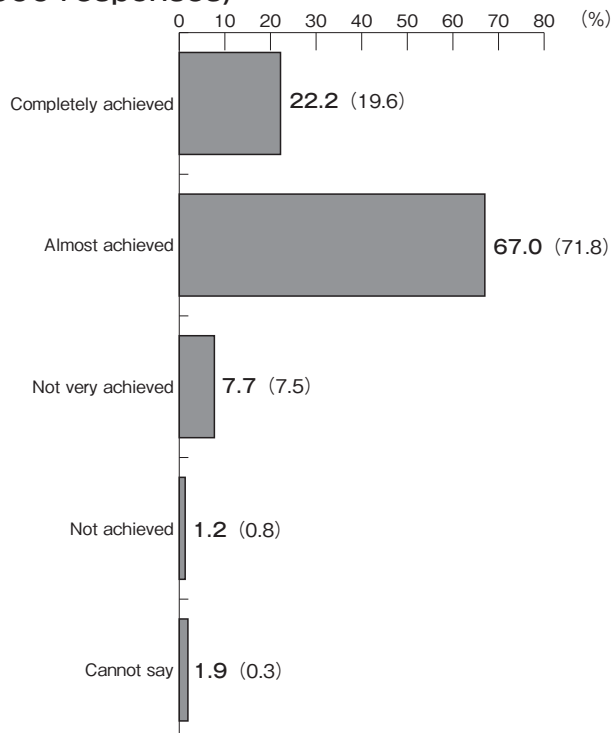
### Q.6

How did you know about this about exhibition? (multiple choices allowed) (%)



### Q.7

Were you able to achieve your purpose of visit? (600 responses)



2017 iREX Daily Nov.29 (Wed), 2017

# 2017国際ロボット展

## iREX Daily DAY 1 11/29 (Wed) November 29

### AI・IoTで労働人口減少に対応——世界の工場で需要拡大

#### 産業用ロボット

最新のロボット技術は、生産量を増やしながら労働者の負担を軽減し、安全と効率を向上させる。世界の工場では、AIとIoTの導入が加速し、産業用ロボットの需要が拡大している。特に、製造業の自動化と生産性の向上が求められる中、ロボットは重要な役割を果たしている。

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

### Connected Smart Robotics

#### 東2 NACHI

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

#### 産業用ロボットの生産額

Year	Production (Units)
2008	100,000
2009	110,000
2010	120,000
2011	130,000
2012	140,000
2013	150,000
2014	160,000
2015	170,000
2016	180,000
2017	190,000

ロボットで描く未来がある。

2017 iREX Daily Nov.30 (Thu), 2017

# 2017国際ロボット展

## iREX Daily DAY 2 11/30 (Thu) November 30

### 石黒 浩氏に聞く——ロボット産業の未来

「もし彼らが会話できれば、パートナーになれる」と、石黒浩氏は語る。彼は、人間とロボットが共存する未来を夢見ており、AIとIoTの導入がその実現に貢献するとしている。

### Connected Smart Robotics

#### 東2 NACHI

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

ロボットで描く未来がある。

2017 iREX Daily Dec.1 (Fri), 2017

# 2017国際ロボット展

## iREX Daily DAY 3 12/1 (Fri) December 1

### 最先端ロボット技術の競演——注目プロダクト スームアップ!

#### 単腕型と双腕型がハーモニー

「単腕型と双腕型のロボットは、それぞれ異なる強みを持っています。単腕型は作業の効率性を、双腕型は柔軟性を発揮しています。」

### Connected Smart Robotics

#### 東2 NACHI

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

#### 自動車を軽々と持ち上げる

「このロボットは、最大で1トンの重量を持ち上げることができます。また、動作が非常にスムーズで、作業効率を大幅に向上させます。」

ロボットで描く未来がある。

2017 iREX Daily Dec.2 (Sat), 2017

# 2017国際ロボット展

## iREX Daily DAY 4 12/2 (Sat) December 2

### 高橋智隆氏に聞く——コミュニケーションロボット成功の秘訣

「コミュニケーションロボットは、人と人をつなぐための重要なツールです。AIとIoTの導入により、その性能はさらに向上し、社会に貢献する機会が増えています。」

### Connected Smart Robotics

#### 東2 NACHI

「日本の製造業は世界で最もロボット化が進んでいる」と、ロボットメーカーの代表者は語る。AIとIoTの導入により、生産性は向上し、労働者の負担は軽減される。また、安全な作業環境の構築にも貢献している。

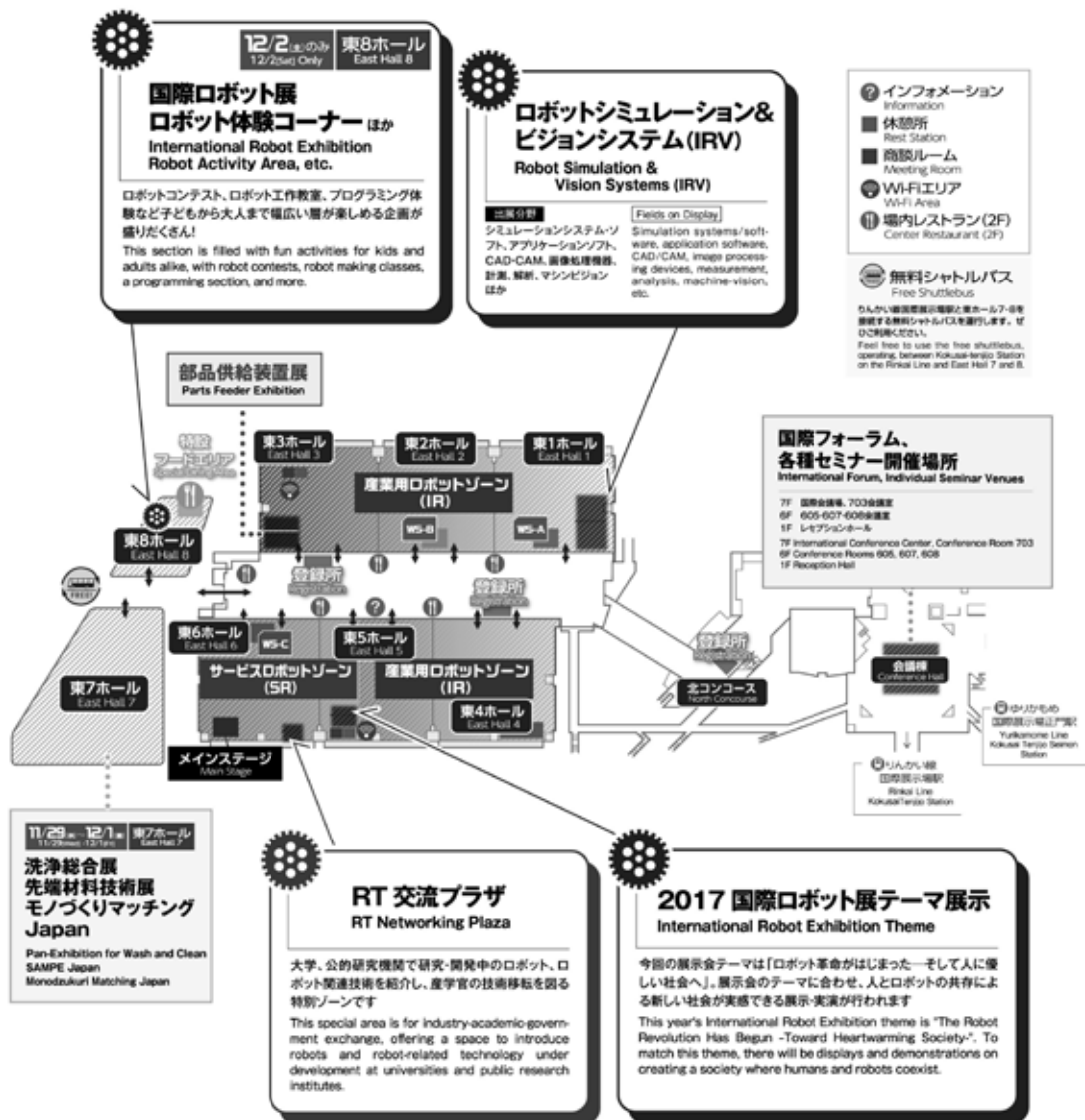
ロボットで描く未来がある。



# 2017国際ロボット展

## INTERNATIONAL ROBOT EXHIBITION 2017

### 会場案内図

**iREX**  
2017
**Event Map & Guide**


### 産業用ロボットゾーン (IR)

#### Industrial Robot (IR) Zone

さまざまな用途で活躍するロボットシステムや協働ロボット、センサー、モーター、AIなどの要素技術と最先端のロボット技術が一堂に集結します

**出展分野**

協働ロボット、搬送用、プレス用、溶接用、ピッキング用、測定・検査、食品用、モーター、アクチュエーター、センサー、ケーブル、AI、要素技術 ほか

**Fields on Display**

Collaborative robots, conveyors, pressing, welding, picking, measurement/inspection, food services, motors, actuators, sensors, cables, AI, fundamental tech, and more.

### サービスロボットゾーン (SR)

#### Service Robot (SR) Zone

店舗や家庭で活躍するコミュニケーションロボットから災害時に人命救助を行うロボットまで、幅広い分野のサービスロボットがそろいます

**出展分野**

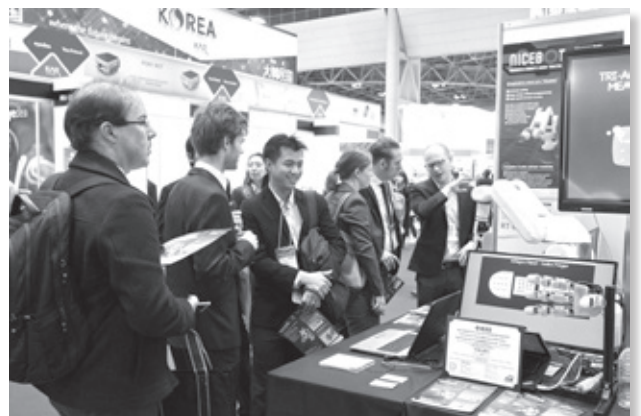
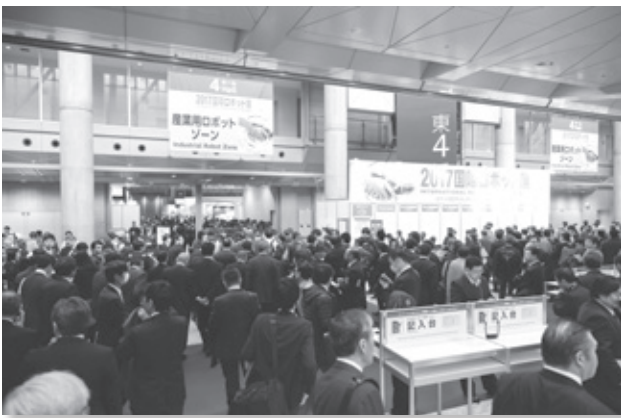
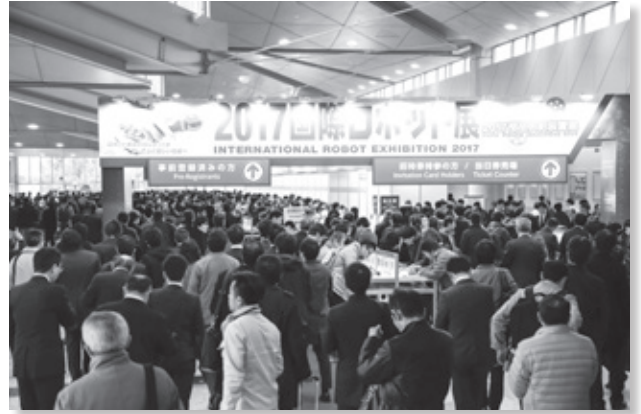
介護、福祉、医療、農林水産、食品、インフラ点検、災害対応、人材育成・教育、AI、ドローン、コミュニケーション、要素技術、ソフトウェア ほか

**Fields on Display**

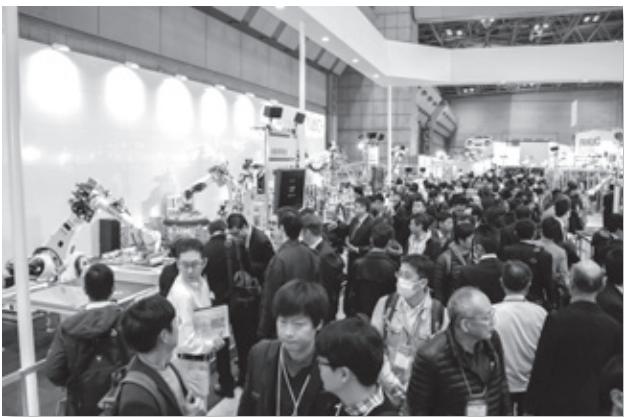
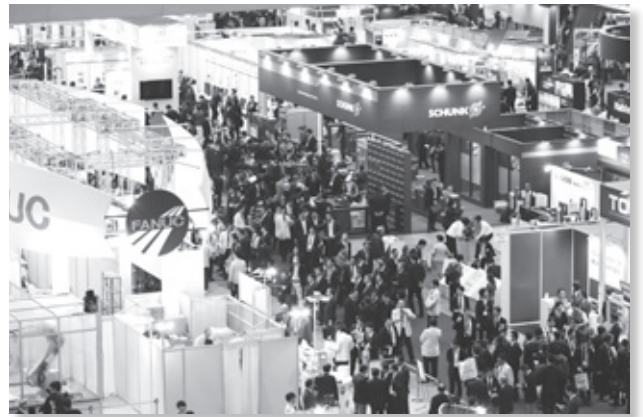
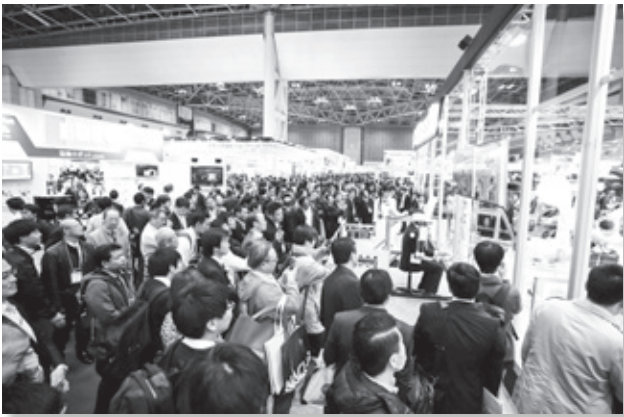
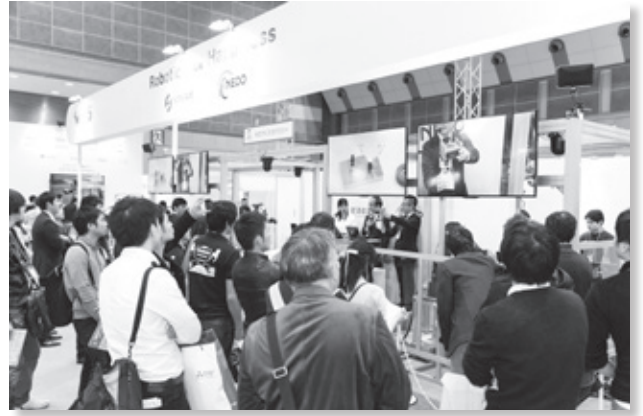
Caregiving, social care, medical care, agricultural, food services, infrastructure inspection, disaster response, training/education, AI, drones, communication, fundamental tech, software, etc.



# ■ Photographs







Next Show Schedule

# **iREX2019**

(INTERNATIONAL ROBOT EXHIBITION 2019)

- Dec. 2019
- Tokyo Big Sight

## **CONTACT**

---

**THE NIKKAN KOGYO SHIMBUN, LTD.**  
**(THE DAILY INDUSTRIAL NEWS)**

---

14-1 Nihombashi Koami-cho, Chuo-ku,  
Tokyo 103-8548, Japan  
TEL +81-3-5644-7221 FAX +81-3-5641-8321  
URL : <http://biz.nikkan.co.jp/eve/irex/english>  
Email : [irex@media.nikkan.co.jp](mailto:irex@media.nikkan.co.jp)

---