



**Japan Electric Measuring Instruments
Manufacturers' Association**

Profile of JEMIMA
2023

Message from Chairman, JEMIMA



Japan Electric Measuring Instruments
Manufacturers' Association (JEMIMA)
Chairman **Juichi Saito**

Founded in 1948, the Japan Electric Measuring Instruments Manufacturers' Association (JEMIMA) will celebrate its 75th anniversary in 2023. Since its founding, JEMIMA has contributed to the development of society and industry in a wide range of fields, from R&D, engineering, manufacturing and quality control, by providing mother tools called "Electrical Measuring Instruments".

Covid-19 pandemic, global warming and needs of carbon free energies are affecting the stable growth of the industrial world. JEMIMA promotes digital transformation to improve the resilience of members, aiming for a new stage of industrial association activities. In order to further develop JEMIMA, we will focus on three measures which are described in our original philosophy.

First, we will promote "From Digital Transformation to Green Transformation: Contribution to the realization of a carbon neutral society".

During the pandemic, JEMIMA has promoted digital transformation initiatives as a priority measure and has been actively working on the evolution of industrial association activities. During this time, the world has become active in specific activities concentrated in the goal of realizing a carbon neutral society. There is no doubt that electric measuring instruments are an essential tool in this trend, and JEMIMA promotes the collection of various information about carbon neutral technology from all over the world. We will continue to work to provides customers with more solutions from the electric measurement industry.

Next, we would like to "raise recognition of the electric measuring instrument industry".

In order to further develop our industry and to supply more mother tools to various areas, we will actively distribute information about us to a wide range of users through seminars or other activities. Also, for JEMIMA, exhibitions are one of the very important ways of communication. Therefore, the "Exhibition Business Study Task Force" established within the JEMIMA secretariat will reconstruct the strategy of exhibition including both IIFES and Measurement and Control Show OSAKA. In addition, we will appeal to students who are expected to play an active role in the electric measuring instrument industry in the future.

Finally, we will focus on "improving the satisfaction of all members of JEMIMA". For the sustainable development of JEMIMA, it is necessary for all member companies to feel the benefit of joining, and to communicate to inform our value to the companies that have not yet joined. To that end, we will revitalize the activities of the divisions and committees, while enhancing the global activity, the international standardization activity and the servitization business study task force. Each committee including the JEMIMA Board of Directors, the planning & steering council, the corresponding divisions and the secretariat will work together to closely examine the situation and make maximum efforts to improve the satisfaction of all members of JEMIMA so that it will be meaningful to the member companies to be with JEMIMA.

We are convinced that the above three measures are all in line with the current challenges of "enhancing the value of the industrial association", which has been the goal of JEMIMA's previous chairpersons. While quickly adjusting these measures as needed, we will strive to make the industrial association's position as an absolute contributor to member companies, customers, and society. We appreciate your continuous support and kind cooperation.

Philosophy, Vision, and Mid-term Priorities

As a manufacturers' association, JEMIMA has the following philosophy and has newly defined its vision and mid-term priorities. Through the seven activities and three bases outlined below, JEMIMA will pursue the objectives set out in its philosophy.

Philosophy

Expectations of
member companies

Expectations of
society

Expectations of
customers of
member companies

JEMIMA, as an association of manufacturers of electric measuring instruments that are the "mother tools" of industry, will strive to support all industries. JEMIMA also aims to meet the expectations of member companies, their customers, and society.

Vision

We will be a comprehensive association of measurement and control manufacturers.
We will strengthen our global activities and attain global recognition.
We will enhance cooperation with other organizations and serve as the hub for gathering and transmitting information mainly on measurement and control.

Mid-term Priorities

Enhancing global activities
Expanding activities by strengthening cooperation with other organizations both in and outside Japan
Raising the satisfaction of member companies

Mid-term Priorities of committees

Achieve the committee's medium-term priority goals based on the policies of each division
Divisions set the direction of committee's activities and reviews the satisfaction of member companies

Seven Activities

Support member companies for strengthening their global competitiveness

- 1 Surveys of regulatory trends both in Japan and abroad
- 2 Pursuit of international standardization activities
- 3 Research and Statistics

Develop new technology and create business opportunities

- 4 Identification of new technology development themes

Improve the presence of JEMIMA

- 5 Public Relations
- 6 Exhibitions
- 7 Seminars

Three Bases

Strengthen the JEMIMA organization

Activate JEMIMA committees by each division guidance

Expand membership by strengthening member support

1 Surveys of regulatory trends both in Japan and abroad

In recent years, manufacturers of industrial products have had to quickly respond to changing regulations both in and outside Japan. JEMIMA regularly conducts timely, detailed surveys on export regulations, environmental regulations, EMC, product safety, and other issues for its members. To strengthen its presence, JEMIMA works closely with organizations worldwide and sends committee members to the IEC and other international organizations. JEMIMA also continues to develop personnel with the requisite skillset for the global marketplace.

- **Product safety and EMC**

JEMIMA collects information on the enactment and amendment of laws, regulations, and standards both in and outside Japan regarding EMC and the electrical/optical safety of electric measuring instruments and related products, and distributes information on this to member and non-member companies through seminars and other events. JEMIMA has a database of laws and regulations worldwide that member companies are able to search and access.

Since 2009, JEMIMA has participated in the IEC/TC66 (safety of measuring, control and laboratory equipment) technical committee to strengthen its activities in this field.

- **Export controls**

JEMIMA holds briefings on export controls to help member companies comply with export-related laws and regulations.

To help Japanese exporters understand and comply with export control laws and regulations, JEMIMA has published documents whose Japanese titles are translated as "Security Export Control Textbook for Clear Understanding" and "Guidance on Security Export Control Applicability". A "Hand Carry Procedural Manual" has also been prepared to provide guidance for those going on overseas business trips. Through these activities, JEMIMA helps its member companies better understand export controls.

- **Environmental conservation**

JEMIMA regularly conducts global surveys of environmental regulations such as the RoHS and WEEE directives and the REACH regulations.

JEMIMA sends committee members to lobby European organizations, and based on the results that are achieved, formulates guidelines on how best to respond. Through cooperation with related organizations both in and outside Japan, JEMIMA is working hard to ensure that its member's opinions are reflected in the regulations and standards of various countries.

JEMIMA also holds seminars on environmental regulations for members, non-members, and students.



Seminar on economic trends both in and outside Japan

Major JEMIMA Activities

- **Energy Innovation**

JEMIMA learn the direction of "adaptation and solution" to major problems related to energy (such as global environmental issues), through exchange opinions with other organizations and experts. Based on the learned results, JEMIMA identify medium- and long-term business opportunities and business risks of member companies. Based on these, JEMIMA will take action including recommendations as an industry association.

JEMIMA also maintain the activities of the former Energy and Low Carbon Policy Committee, including maintaining of international standards JEMIMA supported.

- **Research on functional safety**

Through workshops and other activities, JEMIMA helps its members enhance their use of safety instrumented and control systems in the PA and FA fields. JEMIMA also promotes related standards on general requirements (JIS C 0508, 0511) and drafts related JIS standards.

- **Surveys of various security issues**

As in other branches of industry, the networks employed in manufacturing plants increasingly rely on open standards. JEMIMA works together with other organizations to study control system security issues and publishes its findings.

- **Support of overseas business expansion**

JEMIMA exchanges memoranda on cooperation with prominent industrial associations and organizations in Asia (China, Taiwan, Thailand, etc.) and Europe (UK, etc.) and periodically exchanges information with them through reciprocal participation in exhibitions, seminars, workshops, and the like.

JEMIMA has signed Memorandum of Understanding for mutual cooperation with the following organizations.

Taiwan Electrical and Electronic Manufacturers' Association (TEEMA, Taiwan), 2000

China Instrument Manufacturer's Association (CIMA, China), 2011

The GAMBICA Association Limited (GAMBICA, UK), 2013

Technology Promotion Association (TPA, Thailand), 2016

Tsinghua University Science Park (TusPark, China), 2022

2 Pursuit of international standardization activities

To raise awareness of Japanese technological advances and stimulate the development of new technologies, we propose international standards to the IEC, ISO, and other international standards organizations.

To assist in the proposal of international standards, JEMIMA holds forums on this topic and serves as a secretariat to support the proposal, deliberation, management, and implementation of international standards.

- **Positive participation in developing international standards**

Commissioned by the Ministry of Economy, Trade and Industry (METI), JEMIMA operates the following technical committees that deliberate international standards in Japan on behalf of the IEC and ISO and sends experts to international conferences to ensure that Japanese opinions are reflected in various standards.

IEC/TC65 (Industrial-process measurement, control, and automation)

IEC/TC45 (Nuclear instrumentation)

ISO/TC30 (Measurement of fluid flow in closed conduits)

- **Promotion of the development of international standards by IEC/TC65**

IEC/TC65 works on developing international standard in the area of Industrial-process measurement, control and automation, which include devices (e.g. sensors and valves), communication technologies, system wide aspects (e.g. functional safety) and cross-cutting requirements such as smart manufacturing.

The activities of IEC/TC65 contribute to the businesses of member companies and in helping them providing more values to their customers.

TC65 Japan National Committee (JNC), hosted by JEMIMA, is performing efforts to reflect Japanese opinion in various occasions, such as submitting a new standardization proposal, continuing supportive actions in a plenary international conference, and detail works in individual working group, etc.

Two good examples, "The international standardization for factories, plants and smart grids" and "the international standardization for coexistence of the functional safety standard and a security standard", were proposed by JNC, and Japan takes role of convener for each working group. In May 2020, a member of JNC became the chairman of SC65A (system aspects), which is one of the major subcommittees (SC) of IEC/TC65. The acquisition of important position in IEC/TC65 can be expected to increase the influence of Japan in the future.

Furthermore, in the smart manufacturing area, IEC/TC65 plays important roles together with constructive contributions by JNC.

- **Promotion of the development of international standards by IEC/TC45**

JEMIMA has been contributing to the development of international standards for nuclear measurement and control, and is continuing in its efforts to standardize nuclear facilities and the measurement of radiation to protect personnel.

- **Ensuring consistency between JIS and IEC standards**

JEMIMA surveys, studies, and develops JIS drafts to ensure consistency between the JIS and IEC standards on industrial process measurement and control instruments, environmental measuring instruments, radiation measuring instruments, and other categories.

3 Research and Statistics

JEMIMA conducts quantitative surveys and analyses on user needs and market trends, compiles mid-term forecasts for major instruments, and announces the results at press conferences and through other media.

JEMIMA also engages in other types of research focusing on global topics.

4 Identification of new technology development themes

JEMIMA surveys potential new themes for the development of fundamental technologies that may be of interest to its member companies. For its member companies, JEMIMA explores the potential of new businesses based on these technologies. JEMIMA holds forums for exchanging views with academic societies, research organizations, and government agencies and supports the joint development of target technologies among member companies.

- **Identification of new themes in the electronic measuring instrument domain**

The Electronic Measuring Instruments and Systems Committee is engaged in the study and organization of activities with a view to developing the electronic measuring instruments industry, including the exploration of new business opportunities.

Major JEMIMA Activities

- **Exploration in the field of smart industrial safety**

Based on the knowledge gained through the exchange of opinions with government and user groups, we will support the resolution of issues by utilizing various current and future technologies from the standpoint of measurement and control toward the realization of smart industrial safety.

- **Surveys of wireless technology**

Wireless technology is widely used in PA and FA measurement and control applications. JEMIMA gathers information on international standards, radio transmission measurement, wireless technology (e.g., 5G technology), wireless coexistence, and other related fields.

5 Public Relations

To boost its presence in the industry, JEMIMA issues press releases on its activities that are of interest to the broader society, including surveys of regulatory trends both in and outside Japan, seminars, and lectures.

The activities of JEMIMA's committees are promptly reported to its member companies. JEMIMA works hard to inform the public of the important role that electric measuring instruments play in addressing environmental problems and improving safety.

JEMIMA releases information through its website, a journal, and an e-mail magazine.

6 Exhibitions

Since 1955, we have held measurement and control Show (MCS) in Tokyo and Osaka to introduce cutting-edge technologies in measurement and control. In 2019, the Japanese Electrical Manufacturers' Association (JEMA) and the Nippon Electric Control Equipment Industries Association (NECA) jointly held the Tokyo exhibition. The name of the exhibition was changed to "IIFES (formerly known as MCS TOKYO / SCF) a comprehensive exhibition of automation and measurement technologies. "MCS Osaka" is held in Osaka as Exhibition of Measurement and Control solution, leading the manufacturing excellence.

<Exhibition Schedule>

IIFES 2024 : January 2024 in Tokyo.

MCS 2024 OSAKA : October 2024 in Osaka.



Measurement and Control Show 2022 OSAKA



IIFES 2022

7 Seminars

JEMIMA holds many kinds of technology seminars to educate measurement and control industry professionals. JEMIMA will continue to plan and hold seminars that meet the needs of its member companies and help people in this industry obtain publicly certified qualifications. The main topics covered by JEMIMA seminars are as follows:

- Online Japan-China Corporate Exchange Meeting & Japan-Thailand Exchange Meeting
- TPP and Japan-U.S. relations
- Practical case studies on intellectual property contracts
- Regulations in Japan, the U.S., and Europe under radio laws
- Seminars related to radiation measurement
- Briefings on security trade control
- New flow of procurement and purchasing reform
- Basic courses of lectures on product planning and marketing
- Instrumentation safety workshops
- IEC/TC65 international standardization seminars
- Human resource development training (assertion, OJT, compliance, sales basics, experienced and able employees, managers and supervisors, problemsolving, ways of working, and the like)



Seminar on environmental regulations

8 Other activities

- **Concierge service**

All committees have concierge function to return outcome of committees to member company.

And, we provide concierge service to member companies to meet their individual requests, thereby further enhancing member satisfaction.

- **Procurement surveys**

JEMIMA conducts surveys to facilitate the management of credit-related procurement risks such as the bankruptcy of a supplier.

- **Promotion of calibration service**

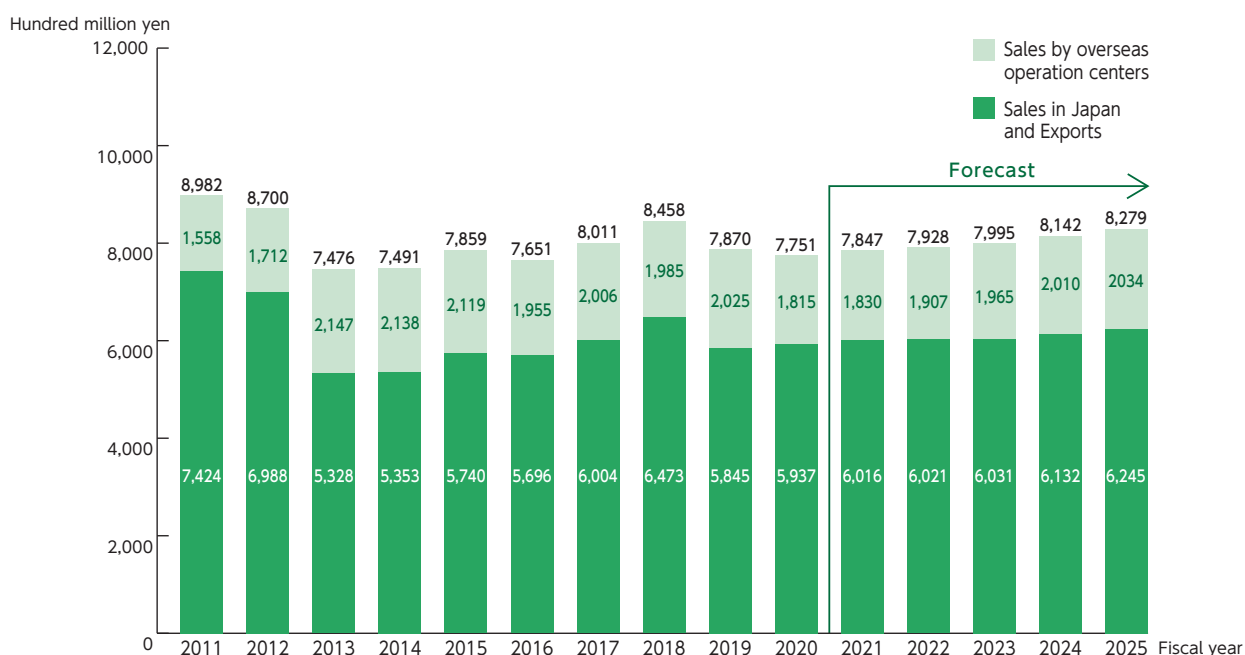
Aiming to grow the calibration service business of its member companies, JEMIMA encourages the use of the Japan Calibration Service System (JCSS) and strives to boost demand for it and solve related issues. These efforts are undertaken with the help of the National Institute of Advanced Industrial Science and Technology (AIST) and the National Institute of Technology and Evaluation (NITE). When necessary, JEMIMA compiles industry opinions and presents the to the government.

- **Establishment of a Japanese Industrial**

Standard for heatstroke meters One of our activities was to add a standard for instruments measuring Wet Bulb Globe Temperature (WBGT) indices (heatstroke meters) to the Japanese Industrial Standards (JIS). WBGT index meters conforming to this new JIS standard which are installed at workplaces, sports facilities, and the like are expected to reduce the development of heatstroke and the occurrence of accidents.

Electrical measuring instruments function as "mother tools" of industry and are used for various purposes. They are used in the electronics industry such as semiconductors, digital consumer electronics and telecommunications. They are also used for monitoring, production system control, quality inspection and R&D purposes in a wide range of fields such as steel, chemical, oil refining, electricity, water supply and sewerage. Electrical measuring instruments are expected to continue to support a wide range of industrial activities, including new measurement needs. Every year, JEMIMA conducts statistical surveys on electric measuring instruments and publishes the results as a Mid-term Forecast report.

Actual Sales and Forecast of Sales of Electric Measuring Instruments (As of Dec. 2022)



Categories and Products of Electric Measuring Instruments

Electric measuring instruments measure quantities and sizes of substances and phenomena, and are grouped into following 8 (eight) categories.

- Indicating Instruments** Instruments to indicate or record electrical quantities including electricity, voltage, electric power, power factors, and frequency, and other related apparatus
- Electricity Meters** Instruments to measure the demand and supply of electric power and other related equipment
- Electric Test and Measuring Equipment** Equipment to measure, observe, or record electrical and magnetic quantities by electronic means, and Equipment and Apparatus to generate electric and magnetic signals
- Test and Measuring Instruments using Electronic Technology** Equipment and apparatus to detect, measure, indicate, or record physical, chemical, sensory, and other quantities other than electric and magnetic quantities: Excluded are equipments and apparatus for measurement and control in factory automation and process automation, environmental measurement, and radiation measurement. Also excluded are equipment and apparatus that measure mainly by mechanical means, even when their indicators or displays are electronic.
- Measuring and Control Instruments for Factory Automation** Equipment and systems to identify and measure the status of objects in industrial processes such as machining & assembly industries, mainly handling solids and powder / granular materials, and other equipment and apparatus related to them, including general-purpose equipments converted into measurement and control equipment for factory automation application.
- Process Measuring and Control Instruments** Equipment and systems to continuously measure and control variables of industrial processes that mainly handle fluids, gases, and vapor and related components & parts
- Instruments for Environmental Monitoring** Measuring instruments to measure pollution of the natural environment and changes in natural phenomena, and other related equipment & apparatus
- Radiation Measuring Instruments** Measuring instruments to measure quality and quantity of radiation [α , γ , β , α rays, neutrons and others], measuring instruments that utilize radiation, and other related equipment apparatus

Publications (Study reports and JEMIMA standards)

Study Reports

- Mid-term Forecast of Electric Measuring Instruments 2022-2026 (Issued December 2022)
- Guidance on Security Export Control Applicability, 2nd Edition (Issued April 2018)
- Hand Carry Procedural Manual, 7th Edition (Issued April 2016)
- Guidebook for Environmental Measuring Instruments, 7th Edition (Issued December 2015)
- Security Export Control Textbook for Clear Understanding - From ABC to Practical Operation, 2nd Edition (Issued April 2014)
- Understanding Safety Instrumentation: Explanation of JIS C 0511 "Functional Safety- Safety Instrumented Systems for the process industry sector" (Issued July 2009)

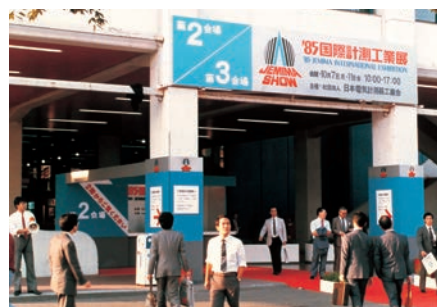


JEMIMA Standards (JEMIS)

- JEMIS 017-2007 Environmental Conditions of Electric Standard Chambers
- JEMIS 021-2012 Glossary of Environment Measurement Technology
- JEMIS 032-2019 Flow Rate Measurement Method Using an Ultrasonic Flow meter
- JEMIS 038-2006 JEMIMA Field Bus
- JEMIS 039-2002 Tolerable Values of Electromagnetic Wave Interference Characteristics of Industrial Process Measurement and Control Equipment and Measurement of Them
- JEMIS 040-3-2002 Voltage Variation and Flicker Tolerable Value of Low-voltage Power Supply Systems Used in Industrial Process Measurement and Control Equipment Less Than 16 A in Rated Current
- JEMIS 041-2002 Face-to-Face Dimensions of a Magnetic Waterworks Meter
- JEMIS 042-2003 Long-term Stability of a Magnetic Flow meter



- 1948 JEMIMA established. Office set up at Ginza, Tokyo.
- 1948 Kansai Branch established. Office set up at Shimadzu Corporation at Nakagyo-ku, Kyoto Prefecture.
- 1950 Head office relocated to 1-9-10, Toranomon, Minato-ku, Tokyo.
- 1955 Kansai Branch office relocated to 2-1-39, Dojima, Kita-ku, Osaka-city, Osaka Prefecture.
- 1955 First Measurement Industry Exhibition held (today's Measurement and Control Show Tokyo) in Tokyo.
- 1959 JEMIMA standards (JEMIS) established.
- 1959 JEMIMA starts to gather statistical data (for indicating meters).
- 1960 JEMIMA was granted as a legal corporate person, with the status of a public-service corporation.
- 1974 First issue of the Outlook on the Electric Measuring Instrument Industry (currently Mid-term Forecast of Electric Measuring Instruments) published.
- 1981 Measurement Industry Exhibition renamed as the International Measurement Industry Exhibition.
- 1990 First JEMIMA Kansai Measuring Plaza held.
- 1991 Kansai Branch office relocated to the Denshi Kaikan, 6-8-7, Nishi Tenma, Kita-ku, Osaka-city, Osaka Prefecture.
- 1997 Opened the JEMIMA website.
- 1997 International Measurement Industry Exhibition renamed as INTERMAC held at the Tokyo International Exhibition Hall (Tokyo Big Sight).
- 2002 JEMIMA Kansai Measuring Plaza renamed as Measurement and Control Show OSAKA.
- 2003 INTERMAC renamed as the Measurement and Control Show TOKYO.
- 2008 Keisoku Kaikan Building constructed and inaugurated. JEMIMA head office relocated to Nihonbashi-Kakigaracho, Chuo-ku, Tokyo.
- 2008 60th anniversary commemorated. JEMIMA mid-term forecast published. JEMIMA symbol and logo renewed.
- 2008 IEC/TC65 (Industrial-process measurement, control and automation) plenary meeting held in Tokyo.
- 2009 IEC/TC45 (Nuclear measurement) plenary meeting held in Yokohama.
- 2012 JEMIMA was granted the status of "General Incorporated Association".
- 2017 Kansai Branch office relocated to 1-5-33, Nishimiyahara, Yodogawa-ku, Osaka-city, Osaka Prefecture.
- 2018 70th anniversary commemorated (JEMIMA redesigned WEB site and introduced the Web remote conference system.).
- 2019 Measurement and Control Show TOKYO, a specialized exhibition for measurement and control, and System Control Fair (SCF), a comprehensive exhibition for automation, were renamed to IIFES (Innovative Industry Fair for E x E Solutions) as one exhibition and held at Tokyo Big Sight.
- 2020 The JEMIMA held the Measurement and Control Show 2020 OSAKA (Real Exhibition at Grand Cube Osaka) and the Measurement and Control Show Online Plus (Online Exhibition) as its first hybrid exhibition.
- 2020 Kansai Branch office relocated to 7-4-17, Nishinakajima, Yodogawa-ku, Osaka-city, Osaka Prefecture.



International Measurement Industry Exhibition 1985



Keisoku Kaikan Building



IEC/TC65 Tokyo Plenary Meeting, 2008



JEMIMA's 70th anniversary

Members List

Regular Members(82 Companies) (As of June 1,2023) (Alphabetical Order)

ABB BAILEY JAPAN LIMITED.	HITACHI HIGH-TECH SOLUTIONS CORPORATION	OYO ELECTRONICS, LTD.
ACRORAD CO., LTD.	HITACHI, LTD.	PEPPERL+FUCHS K.K.
ANRITSU METER CO., LTD.	HORIBA ADVANCED TECHNO, CO., LTD.	REGSOL CORPORATION
ASAHI PYRO INDUSTRIAL CO., LTD.	HORIBA STEC, CO., LTD.	RIKEN KEIKI CO., LTD.
AZBIL CORPORATION	HORIBA, LTD.	RION CO., LTD.
CHINO CORP.	INTERTEK JAPAN K.K.	RKC INSTRUMENT INC.
CHIYODA TECHNOL CORPORATION	ISHIDA CO., LTD	SAFTEC CO.,LTD
CHUO ELECTRONICS CO., LTD.	IWATSU ELECTRIC CO., LTD.	SHIBUKAWA KUWANO ELECTRICAL INSTRUMENTS CO., LTD.
COSMOS CORPORATION	KIKUSUI ELECTRONICS CORP.	SHIMADA ELECTRIC CO., LTD.
DAIDO INDUSTRIES, INC.	KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.	SHIMADEN CO., LTD.
DKK-TOA CORPORATION	KYOTO ELECTRONICS MANUFACTURING CO., LTD.	SHIMADZU SYSTEM SOLUTIONS CO., LTD.
DTS INSIGHT CORPORATION	KYOWA ELECTRONIC INSTRUMENTS CO., LTD.	SHINKAWA SENSOR TECHNOLOGY, INC.
EBARAJITSUGYO CO., LTD.	MEIDENSHA CORP.	SONIC CORPORATION.
EMIC CORP.	MITSUBISHI ELECTRIC CORP.	SUKEGAWA ELECTRIC CO., LTD.
ENDRESS+HAUSER YAMANASHI CO., LTD.	MIWA ELECTRIC CO., LTD.	TAKASAGO, LTD.
ENEGATE, CO., LTD.	MTT CO., LTD.	TEKTRONIX, INC.
ENERGY SUPPORT CORP.	NAGASE LANDAUER, LTD.	TOHO ELECTRIC CO., LTD.
ETO DENKI CO., LTD.	NEW COSMOS ELECTRIC CO., LTD.	TOKYO KEIKI INC.
FLUKE CORPORATION	NF TECHNO COMMERCE CO., LTD.	TOKYO KEISO CO., LTD.
FM APPROVALS LLC	NINOMIYA ELECTRIC WIRE CO., LTD.	TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION
FUJI ELECTRIC CO., LTD.	NIPPON RAYTECH CO., LTD	TOSHIBA TOKO METER SYSTEMS CO., LTD.
FUJI ELECTRIC METER CO., LTD.	NOHKEN INC.	TOYO KEIKI CO., LTD.
FUKUDEN INC.	OHKURA ELECTRIC CO., LTD.	TSURUGA ELECTRIC CORP.
GASTEC CORPORATION	OI ELECTRIC CO., LTD.	YAMARI INDUSTRIES, LTD.
GRAPHTEC CORPORATION	OKAZAKI MFG. CO., LTD.	YASUKAWA ELECTRIC CORPORATION
HAKARU PLUS CORPORATION	ONO SOKKI CO., LTD.	YOKOGAWA ELECTRIC CORP.
HAMAMATSU PHOTONICS K.K.	OSAKI ELECTRIC CO., LTD.	YOKOGAWA TEST & MEASUREMENT CORPORATION
HIOKI E.E. CORP.	OVAL CORP.	

Supporting Members(22 Companies and 13 Organizations)

ABB K.K.	KONICA MINOLTA, INC.	ENGINEERING ADVANCEMENT ASSOCIATION OF JAPAN
ANALOG DEVICES K.K.	KYOTO EIC LTD.	FIELDCOMM GROUP, INC.
ASAHI KOKUSAI TECHNEION CO., LTD.	MICHELL JAPAN K.K.	JAPAN ELECTRIC MEASURING INSTRUMENTS DISTRIBUTORS ASSOCIATION
CADDi INC.	ORIX RENTEC CORP.	JAPAN ELECTRONICS AND INFORMATION TECHNOLOGY INDUSTRIES ASSOCIATION
EIWA CORPORATION	PHC CORPORATION	JAPAN SOCIETY OF NEXT GENERATION SENSOR TECHNOLOGY
ENDRESS+HAUSER JAPAN CO., LTD.	QSES INC	JAPANESE PROFIBUS ORGANIZATION
EPPENDORF HIMAC TECHNOLOGIES CO.,LTD	RESTAR COMMUNICATIONS CORPORATION	KANAGAWA INSTITUTE OF INDUSTRIAL SCIENCE AND TECHNOLOGY
HBM [SPECTRIS CO., LTD.]	ROHDE & SCHWARZ JAPAN K.K.	KEC ELECTRONIC INDUSTRY DEVELOPMENT CENTER
INDEXPRO CORPORATION	SMFL RENTAL COMPANY, LIMITED	RELIABILITY CENTER FOR ELECTRONIC COMPONENTS OF JAPAN
KEYSIGHT TECHNOLOGIES JAPAN K.K.	TECHNOHILL CO., LTD.	SEMICONDUCTOR EQUIPMENT ASSOCIATION OF JAPAN
KITAHAMA, LTD.	YOKOGAWA RENTAL & LEASE CORP.	THE OSAKA UNIVERSITY RESEARCH ASSOCIATION OF INDUSTRY AND SCIENCE
		THE SOCIETY OF INSTRUMENT AND CONTROL ENGINEERS
		TRON FORUM

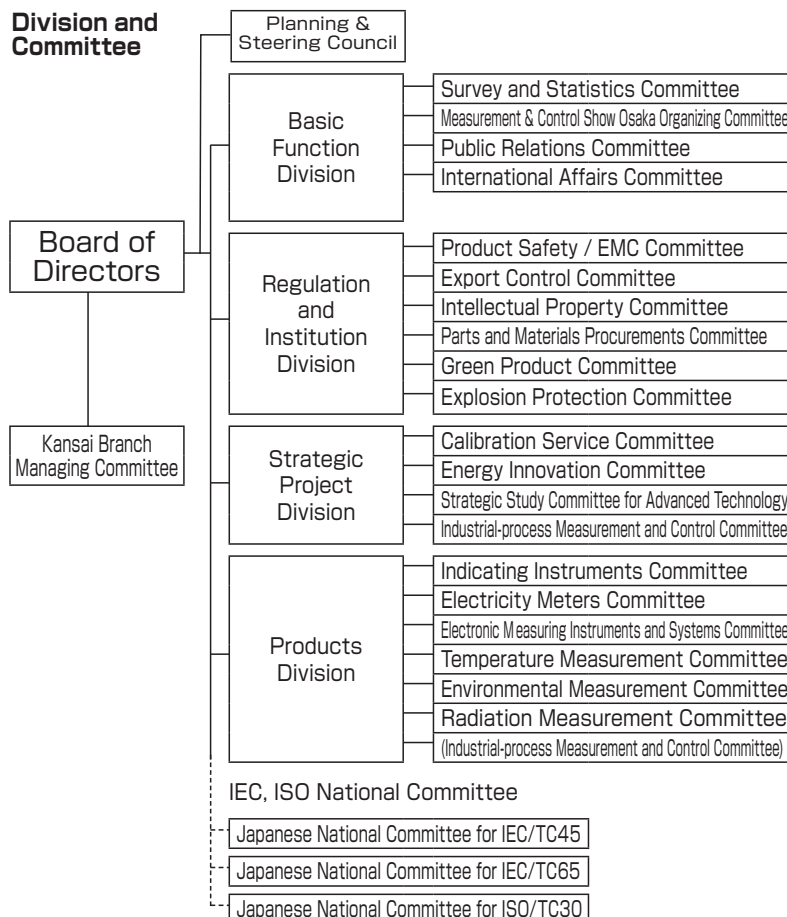
Board Members



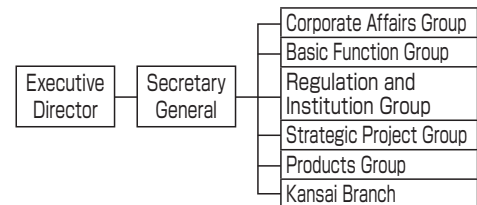
(As of June 1, 2023)

CHAIRMAN (Director, Kansai Branch)	JUICHI SAITO	Executive Vice Chairman and Group COO	HORIBA, LTD
VICE CHAIRMAN	HITOSHI NARA	President and Chief Executive Officer	YOKOGAWA ELECTRIC CORPORATION
VICE CHAIRMAN	HIROZUMI SONE	Chairperson	AZBIL CORPORATION
EXECUTIVE DIRECTOR	JUNICHI EGUCHI		
DIRECTOR	YOSHIHIDE WATANABE	Chairman and CEO	OSAKI ELECTRIC CO., LTD.
	JUN TANIMOTO	President	OVVAL CORPORATION
	KAZUhide OKAZAKI	President	OKAZAKI MFG. CO., LTD
	YUJI OKOSHI	President and Representative Director	ONO SOKKI CO., LTD.
	MITSUO IWASAKI	Director General Manager, Quality Assurance Division	KIKUSUI ELECTRONICS CORPORATION
	YASUNORI TOKUMASU	President	SHIMADZU SYSTEM SOLUTIONS CO., LTD
	MIKIO TOYODA	President	CHINO CORPORATION
	TOSHIO TAKAHASHI	President and Representative Director	DKK-TOA CORPORATION
	FUMIHIKO OKANIWA	Technology Executive	TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION
	YASUO MIYAKE	President	HAKARU PLUS CORPORATION
	TAKAHIRO OKAZAWA	President	HIOKI E.E. CORPORATION
	TETSUJI TAKADA	Board Director	HITACHI HIGH-TECH SOLUTIONS CORPORATION
	HIROSHI TETSUTANI	Director and Executive Officer Corporate General Manager, Power Electronics Systems Industry Business Group	FUJI ELECTRIC CO., LTD.
	HISASHI HUNAKOSHI	Senior General Manager	MITSUBISHI ELECTRIC CORPORATION
	MASANORI TAKAHASHI	Corporate Executive Officer General Manager	YAMARI INDUSTRIES, LTD.
	SHUJI TAJIMA	Executive Officer Executive General Manager, Corporate Administration Division	RIKEN KEIKI CO., LTD.
AUDITOR	SHOHEI OHTAKI	Executive Director	JAPAN ELECTRONICS PACKAGING AND CIRCUITS ASSOCIATION
	YOSHINORI TAKAHASHI	President and Representative Director	NEW COSMOS ELECTRIC CO., LTD.
	AKIRA UTSUYAMA	Audit and Supervisory Board Member	HAMAMATSU PHOTONICS K.K.

Division and Committee



Secretariat





Japan Electric Measuring Instruments
Manufacturers' Association

[Head office] Keisokukaikan

2-15-12, Nihonbashi-Kakigaracho, Chuo-ku,
Tokyo zip-103-0014 Japan

TEL.03-3662-8181~5 FAX.03-3662-8180

[Kansai Branch]

4F Shin-Osaka UenoToyo Building, 7-4-17,
Nishinakajima, Yodogawa-ku, Osaka zip-532-0011

TEL.06-6151-5710 FAX.06-6151-5709



www.jemima.or.jp