Showcasing Cutting-Edge Technologies for the Art of Manufacturing

SYSTEM CONTROL FAIR 2015

Innovative Manufacturing: Connecting Technology to Tomorrow

Date: December 2 (Wed.) – 4 (Fri), 2015
Opening Hours: 10:00 – 17:00
Venue: Tokyo Big Sight West Hall 1,2,3,4 & Atrium

http://scf.jp/en/

Organized by
The Japan Electrical Manufacturers’ Association (J EMA)
Nippon Electric Control Equipment Industries Association (NECA)
SYSTEM CONTROL FAIR 2015

Report

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I. Thanking Remarks

System Control Fair 2015 was held from Dec. 2 to Dec. 4, 2015, at Tokyo Big Sight, simultaneously with Measurement and Control Show 2015 Tokyo, and was a major success thanks to the support and assistance of involved agencies and organizations, and widespread participation by the industry.

The event is scheduled to be held next from Wednesday, Nov. 29 to Friday, Dec. 1, 2017, as System Control Fair 2017, and we sincerely hope that you will be able to join other industry leaders there.

Below is a brief summary of the results of the 2015 fair.

The Japan Electrical Manufacturers’ Association (JEMA)
Nippon Electric Control Equipment Industries Association (NECA)
Ⅱ. Result

1. Overview

① TITLE: SYSTEM CONTROL FAIR 2015 (SCF 2015)
② THEME: Innovative Manufacturing: Connecting Technology to Tomorrow
③ DATE: December 2nd (Wed.) to December 4th (Fri.), 2015 (3 days)
10:00AM to 5:00PM
④ VENUE: Tokyo Big Sight (Ariake: Tokyo International Exhibition Center)
West Hall-1, Hall-2, Hall-3, Hall-4 and Atrium
⑤ ORGANIZED BY: The Japan Electrical Manufacturers’ Association (JEMA)
Nippon Electric Control Equipment Industries Association (NECA)
⑥ SUPPORTED BY (in no particular order):
Ministry of Economy, Trade and Industry, Ministry of the Environment,
Japan External Trade Organization (JETRO), Tokyo Metropolitan Government,
Tokyo Big Sight
⑦ IN COOPERATION WITH (in no particular order):
Japan Robot Association
Japan Machine Tool Builders’ Association
Japan Electric Association
Japan Electronics Packaging and Circuits Association
The Japan Food Machinery Manufacturers’ Association
Japan Electronics and Information Technology Industries Association
Japan Automobile Manufacturers Association, Inc.
Japan Chemical Industry Association
The Society of Instrument and Control Engineers
Manufacturing Science and Technology Center
The Energy Conservation Center, Japan
The Institute of Systems, Control and Information Engineers
The Japan Society of Industrial Machinery Manufacturers
Japan Electric Measuring Instruments Manufacturer’s Association
The Association of Japan Instrumentation Industry
The Institute of Electrical Engineers of Japan
Japan Switchboard & control system Industries Association
The Japan Machinery Federation
The Japan Society of Mechanical Engineers
The Japan Iron and Steel Federation
Communications and Information network Association of Japan
Society of Automotive Engineers of Japan
Japan Research Industries and Industrial Technology Association
Japanese Liquid Crystal Society
⑧ GLOBAL PARTNERS (in no particular order):
German Electrical and Electronic Manufactures’ Association (ZVEI)
Korea Electrical Manufacturers Association (KOEMA)
Taiwan Electrical & Electronics Manufacturers’ Association (TEEMA)
Singapore Industrial Automation Association (SIAA)
SingEx Exhibitions Pte Ltd
⑨ Concurrent Show:
Measurement and Control Show 2015 TOKYO
INTERNATIONAL ROBOT EXHIBITION 2015, Parts Feeder Exhibition 2015,
PAN-EXHIBITION FOR WASH AND CLEAN 2015, SAMPE JAPAN 2015,
⑩ EXHIBIT CATEGORIES
Technologies, equipment, and systems needed in manufacturing
・ FA control systems, equipment and communications systems, data-com equipment
・ FA software, configuration and recognition equipment, automated inspection systems
・ Drive control equipment, actuator sensing systems and equipment
・ Control components, power supplies, wiring and power distribution systems
・ Safety control equipment, energy-saving systems, alternative energy, environmental equipment
・ Other related systems and equipment
・ ICT
・ IoT / M2M
・ Big data utilization
⑪ Exhibition scale: Total exhibitors: 180 corporations in 785 booths
2. Exhibitor List

A
ABB K.K.
Advantech Japan Co.,Ltd
ALAXALA Networks Corporation
ALFATECH Inc.
ALGO SYSTEM Co.,Ltd
Anywire Corporation
ASAI KASEI EC SOLUTIONS
Apreza Corporation
Automation-news
Aubil Corporation

B
B&R Industrial Automation KK
Balfour Co.,Ltd
Beckhoff Automation KK
Bekkaid Co.,Ltd.
B-SOFT Inc.

C
CC-Link Partner Association
Cognex Real-Time Systems Inc.
COSMOTECINS Co. Ltd.
CTK CORPORATION
CTK-EAST CORPORATION
CTK-WEST CORPORATION

D
DAICHI ELECTRONICS CO., LTD.
DESIGN ELECTRONICS CO., LTD.
Delta Electronics Inc.
Digital Electronics Corporation
DIYEN CORPORAION

E
efector co.,ltd.
Eifer Elektra Firma Co.ltd.
ENDO KOGYO CO., LTD.
Eplan Software & Service Co., Ltd.
EtherCAT Technology Group

F
FUJI ELECTRIC CO., LTD.
FUJICON CO., LTD.
Fujitsu Limited

H
HITACHI Ltd.
Hitachi Industrial Equipment Systems Co.,Ltd
Hitachi High-Technology Corporation
Hitachi Zosen Corporation
HMS Industrial Networks K.K.
HORIKYO AUTOMATIC CO., LTD.
HONDA TUNSHEN KOGYO CO., LTD.

I
IDEC CORPORATION
ILME Japan Co., Ltd.
Imageon Corporation
INCOM Company Ltd.
Industrial Support Association of Shirakawa

J
JAPAN DEXX CORPORATION
JOHLE CORPORATION
J.T Engineering inc.
JTEKT CORPORATION

K
KMECS CO., LTD.
KANSAI THUNDERCLOUD ALLIANCE
KANTO ENGINEERING Co., Ltd.
KASUGA ELECTRIC WORKS LTD.
Kawamura Electric Inc.
Kawasaki Heavy Industries KK
KOBATA GUAGE MFG.COLLTD
KOKUSAI DENGYO CO., LTD.
KOYOMATSU DENGYO CO., LTD.
KEN ELEKTRONIKS INDUSTRIES CO., LTD.

L
Kyoritsu Kogyo Corporation
Lattice Technology Co., Ltd.
LexX Corporation
LSIS Co., Ltd.

M
MECHATRONIK MEMBERS ASSOCIATION
MIDENSHA CORPORATION
MHPS CONTROL SYSTEMS Co., Ltd
Microsoft Japan Co., Ltd
MITSUBISHI ELECTRIC CORPORATION
MITSUBISHI ELECTRIC ENGINEERING CO., LTD.
MITSUBISHI ELECTRIC SYSTEMS&SERVICE CO., LTD.
MITSUBISHI HITACHI POWER SYSTEMS, LTD.
M-System Co., Ltd.
Multi Measuring Instruments Co., Ltd.
MURATA MACHINERY LTD

N
NADA ELECTRONICS LTD
Net One Partners
Net One Systems Co., Ltd.
NIC Co.,Ltd.
NICHIDO COLTD

O
OIH ELECTRIC CO., LTD.
OMRON Corporation
OPC Council Japan
ORIENTAL MOTOR CO., LTD.
OSADA CO., LTD.
Osaka Jujo Denki Co., Ltd.

P
Panasonic Corporation
Panasonic Industrial Devices SEUXX
PILLOGY Corporation
Pilz Japan Co., Ltd.
Pipistep GmbH

R
Rittal K.K.
Rockwell Automation Japan Co., Ltd.
RS Components KK

S
Safety Network Japan
SANYO DENKI CO., LTD.
SCHMERSAL Japan Branch Office
Seedcore Corporation
Sertec Corp ination
SHIRKAWA DENSHI CORPORATION
SHIZUKI ELECTRIC Co.,INK.
Siemens K.K.
Skyline Cloud Systems Inc.

T
TOKYO ELECTRIC CO., LTD.
TOYO DENKI SEIZO K.K.

U
UNITEC CORPORATION

V
Virtual Engineering Community

W
WacoCom Ltd.
WAGO company of Japan Ltd.
Watanabe Electric Industry Co., Ltd.
Watek Labo. Inc.
WellinTech Japan

Y
Yaskawa Electric Co.
Yaskawa Siemens Automation & Drives Corp
YYODS Inc.

Z
ZUKEN Inc.
ZUKEN ELMIC Inc.

Open Network Zone

vWON KK
Galactic Corporation
HARTING K.K.
Hilhier Japan KK
HMS Industrial Networks K.K.
Hitachi Actuator-Sensor Interface
Japanese PROFIBUS Organization
Molex Japan LLC
Motionnet Members Association
NIPPON DENKI KENKYUSHO COLTD
ODVA, Inc.
Rekasa Electronics Corporation
SECOMEA
Serco Asia Japan Office
softing
THE JAPAN ELECTRICAL MANUFACTURERS' ASSOCIATION
TURCK Japan Corporation
Unitec corporation
WAGO company of Japan Ltd.

Overseas Pavilion

Korea Electrical Manufacturers’ Cooperative
Kokai Electric Industrial Co. ltd
Koyo Electric Engineering
Pawach Co., Ltd.
Seo Jin Electric Co. Ltd
Taiwan Electrical and Electronic Manufacturers’ Association (TEEMA)
DINKLE ENTERPRISE CO., LTD.
FON CHANG ELECTRICAL CORP.
GI FAR TECHNOLOGY CO., LTD.
GOOD WILL INSTRUMENT CO., LTD
HIGHLY ELECTRIC CO., LTD
3. Exhibition Floor plan

SCF 2015

WEST HALL1

College and University Presentation Center

<table>
<thead>
<tr>
<th>NO.</th>
<th>College and University Presentation Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>National Institute of Technology, Gokoku College</td>
</tr>
<tr>
<td>2.</td>
<td>National Institute of Technology, Toyama College</td>
</tr>
<tr>
<td>3.</td>
<td>NIT Institute of Technology</td>
</tr>
<tr>
<td>4.</td>
<td>National Institute of Technology, Tohoku College</td>
</tr>
<tr>
<td>5.</td>
<td>National Institute of Technology, Tomakomai College</td>
</tr>
<tr>
<td>6.</td>
<td>National Institute of Technology, University of Kyushu</td>
</tr>
<tr>
<td>7.</td>
<td>National Institute of Technology, Hyogo College</td>
</tr>
<tr>
<td>8.</td>
<td>National Institute of Technology, Gokoku College</td>
</tr>
<tr>
<td>9.</td>
<td>National Institute of Technology, Osaka College</td>
</tr>
<tr>
<td>10.</td>
<td>National Institute of Technology, Tokyo Metropolitan University</td>
</tr>
<tr>
<td>11.</td>
<td>National Institute of Technology, Gunma College</td>
</tr>
<tr>
<td>12.</td>
<td>National Institute of Technology, Osaka College</td>
</tr>
<tr>
<td>13.</td>
<td>National Institute of Technology, Kyoto University</td>
</tr>
<tr>
<td>14.</td>
<td>National Institute of Technology, Tokyo Institute of Technology</td>
</tr>
<tr>
<td>15.</td>
<td>National Institute of Technology, Gifu College</td>
</tr>
<tr>
<td>16.</td>
<td>National Institute of Technology, Okayama College</td>
</tr>
<tr>
<td>17.</td>
<td>National Institute of Technology, Gunma College</td>
</tr>
<tr>
<td>18.</td>
<td>National Institute of Technology, Osaka College</td>
</tr>
<tr>
<td>19.</td>
<td>National Institute of Technology, Kyoto University</td>
</tr>
<tr>
<td>20.</td>
<td>National Institute of Technology, Tokyo Institute of Technology</td>
</tr>
</tbody>
</table>

GARMIN Corporation

OCEANIC Corporation

OCEANIC Corporation

OCEANIC Corporation

OCEANIC Corporation
4. Visitors
Visitors per day

<table>
<thead>
<tr>
<th>Date</th>
<th>2015/12/2(Wed.)</th>
<th>2015/12/3(Thu.)</th>
<th>2015/12/4(Fri.)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weather</td>
<td>Cloudy</td>
<td>Cloudy/Rain</td>
<td>Fine</td>
<td></td>
</tr>
<tr>
<td>Attendance</td>
<td>12,296</td>
<td>16,678</td>
<td>20,510</td>
<td>49,484</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>61,681</td>
</tr>
</tbody>
</table>
※Including exhibitors

Visitor Classification (%)

5. Opening ceremony
DATE: December 2nd (Wed.), 9:30AM
VENUE: Tokyo Big Sight, 2F, Entrance Hall

6. Opening reception
DATE: December 2nd (Wed.), 5:30PM
VENUE: Tokyo Big Sight, Conference Tower, Reception Hall
7. Simultaneous event: Conference & Seminar
- Keynote
- Special Conference 1, 2, 3
- Panel Discussion
- Sponsored Session
- IoT Session
- Exhibitors’ workshop
- SCF Technical seminars
- NECA Special Conference

8. Simultaneous event: Organizer’s Project “The 4th Industrial Revolution– Getting Connected”
In Europe and America, the recurrence to the manufacturing industry has started reviewing its economic effect, being based on the outflow of the manufacturing industry caused by globalization and reflection of the finance overemphasis. The new industrial revolution attracts attention including the movement of making production into service with the benefit of information technology. The display about the world trend, industrial policy of the country, the image of the production system from the past to the future, future issue, the related display and the conference will be introduced. This was the special feature of this year’s exhibition.

9. Simultaneous event: Atrium Stage
Organizer’s presentation stage was set up in the central atrium in West Hall. During 3 days of the show, topical guests in the front line of the industry joined the talk shows. As a hub of information distribution, it was always active with various events and introduction of booths.

10. Simultaneous event: Open Network Zone
With open network, easy, effective and stable connection can be established between various machinery and equipment operating in the factory. Along with the new tide “The 4th Industrial Revolution– Getting Connected”, the latest equipment, technology and service was specially displayed in this area as powerful tools to enforce automation. Mini presentation by the participating companies was conducted.

11. Simultaneous event: Overseas Pavilion
This was the pavilion consisting of the embassies and trade promotion organization. Specially featured zone in order to activate the industry in a global setup.
12. Simultaneous event: College and University Presentation Corner
Colleges and Universities all around Japan presented their latest study such as future and practical technology related to automation, measurement and control and IoT practical use technology regarding manufacturing. In order to support their study, special award was given to the excellent laboratory. Students joined the industry study seminar and visited the company booths.

13. Simultaneous event: Lottery & Stamp Rally

14. Simultaneous event: Introduction video on SNS

15. Simultaneous event: Happy Hour
16:00 to 17:00 on December 3 (Thu.), the 2nd day of the show was “Happy Hour”! Everyone can enjoy drink and food at participating exhibitors’ booth and the common area.
Ⅲ. Voice of exhibitors

1. What do you think about the venue?

![Pie Chart]

2. How would you rate the SYSTEM CONTROL FAIR 2015 and Measurement and Control Show 2015 Tokyo simultaneous event?

![Pie Chart]

3. Was it effective for your business to exhibit at the show?

![Pie Chart]

4. Are you planning to participate in the next show in 2017?

![Pie Chart]

Total valid responses: 129 firms
Recovery: 97%
IV. Visitor questionnaire

1. What was your reason for visit? (Multiple answers)

- Information on the latest technology trends: 65.2%
- Concrete questions or discussion on specific products: 11.2%
- Product comparison for introduction or purchase: 13.0%
- Information for procurement planning: 17.2%
- To attend conferences/seminars: 9.2%
- Other: 4.3%

2. Do you consider your visit was worthwhile?

- Highly worthwhile: 62.1%
- Highly worthwhile: 15.5%
- Worthwhile: 12.9%
- Not worthwhile: 0.2%
- Not worthwhile: 0.8%
- No answer: 3.2%

3. How would you rate the SYSTEM CONTROL FAIR 2015 and Measurement and Control Show 2015 TOKYO simultaneous event?

- Good: 58.2%
- Average: 37.9%
- Poor: 0.7%
- No answer: 3.2%

4. Which category of exhibits did you find interesting? (Multiple answers)

- IoT/M2M/Bigdata: 26.8%
- FA Software: 11.3%
- Information Transmission Devices and Peripheral Devices: 21.9%
- FA Control Systems and Devices: 54.8%
- Other: 9.8%
- Other Related Equipment: 22.2%
- Actuators: 15.2%
- Control Components: 13.3%
- Sensing Control Devices: 11.1%
- Power Supply Devices: 10.9%
- Power Distribution Equipment: 7.2%
- Safety Control Equipment: 6.4%
- Energy Saving and Environmental Equipment: 17.7%
V. Advertising and PR activities

1. Preliminary Seminar
On May 21, 2015, welcomed about 300 visitors, the Preliminary-Seminar on "The 4th Industrial Revolution is going ahead" was held. Now it is introduced efforts to Robot Revolution realization that have been added to the new growth strategy listed of the Ministry of Economy, Trade and Industry. And it was introduced in Hannover Messe by the Embassy of the Federal Republic of Germany to the "Report of Industry 4.0".

2. Press conference and mass media announcements
On December 3, 2014, representatives of companies planning to exhibit at the fair were welcomed to an explanatory presentation, followed by a press conference. Information provided included an outline of the fair and exhibitions, and introductions to key features.
On November 4, 2015 a press conference for mass media was held, introducing the outlines, key features, and concepts for both events. 19 reporters from 17 mass media vehicles attended, with active Q&A and individual interviews.

3. Presentation for embassies, trade promotion organizations, and related groups
On July 9, 2014, a presentation was given to representatives from embassies, trade promotion organizations, and related groups, covering the outlines and features of the two events. Representatives from 14 nations, mostly the United States, Europe, Asia and Africa, participated, engaged in an active exchange of opinions.

4. Advertising and PR activity by organizer
A dynamic media promotion strategy designed to boost the number of visitors was implemented throughout Nikkei group media, leading industry newspapers and technical journals, websites, e-mails, SNS, and other vehicles.
VI. Portofolio
SYSTEM CONTROL FAIR 2015
EXECUTIVE COMMITTEE

Azbil Corporation
FUJI ELECTRIC CO., LTD.
Fuji Electric FA Components & Systems Co., Ltd
Hitachi,Ltd.
Hitachi Industrial Equipment Systems Co.,Ltd.
IDEC CORPORATION
MEIDENSHA CORPORATION
MITSUBISHI ELECTRIC CORPORATION
Nippon Electric Control Equipment Industries Association(NECA)
OMRON CORPORATION
Panasonic Corporation
Panasonic Industrial Devices SUNX Co.,Ltd.
The Japan Electrical Manufacturers’ Association(JEMA)
TOSHIBA CORPORATION
TOSHIBA INDUSTRIAL PRODUCTS AND SYSTEMS CORPORATION
YASKAWA Electric Corporation

(Alphabetical order)
Pre-announcement for SCF2017

Date: November 29 (Wed.) – December 1 (Fri.), 2017 (3 days)

Venue: Tokyo Big Sight
(Ariake, Tokyo International Exhibition Center)

Organizer:
The Japan Electrical Manufacturers’ Association
Nippon Electric Control Equipment Industries Association

Contact
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