# Wireless Technology Park 2017

**WTP 2017 WIRELESS TECHNOLOGY PARK**

## 5G & IoT — Creating New Value

**Date** MAY 24 (Wed) - 26 (Fri)

**Opening Hours** 10:00 a.m.-6:00 p.m. *Open until 5:00 pm on the final day

**Venue** Tokyo Big Sight West 1 Hall

WIRELESS TECHNOLOGY PARK (WTP) is the biggest events in Japan focused on research and development of wireless communications technology, which consists of exhibition, seminars, and academic programs. Attracting 45,000 visitors each year, WTP assembles the latest products and technologies which are essential for the future development of wireless communications technology. Under the main theme "5G & IoT -Creating New Value," WTP 2017 features the 5th Generation Mobile Communications System, the most advanced technology for mobile communications, and introduces various wireless technologies applicable to the Internet of Things (IoT) throughout the show in seminars and exhibition on "5G Tokyo Bay Summit 2017," and "Flexible Factory Project," etc.

### Keywords in WTP 2017

- The 5th Generation Mobile Communications System (5G)
- Internet of Things (IoT)
- Positioning
- Intelligent Transport Systems (ITS)
- Offshore & Undersea Communication Technology
- Telecommunication for Robots & Drone
- Wireless Technologies and Systems for Factory use
- Terahertz-wave sensing & communication, etc.

### Admission Free by Advanced Registration!
https://www.wt-park.com/2017/en

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## WTP International Day [Thursday, May 25]
**More accessible and more satisfactory experiment for foreign visitors!**

**English explanation will be available in major exhibition booths on this day.** Furthermore, WTP secretariat is ready to assist your **business matching** by arranging appointments with exhibitors prior to the event. Please contact us now to find your business seeds and partners in Japan. In addition, presentations and/or panel discussion will be given in the **International Session** from **foreign organizations/exhibitors** in order to introduce the latest trends and technologies. Don't miss this opportunity!

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### Course T-51 International Session Part 1 — "Growing Expectations for Low-power Wide Area Network"

**Date** May 25 **Venue** Seminar site 4 in West Hall 1 *Admission Free / Language: English (No interpretation)

| Time | Program |
|---|---|
| 10:10 - 10:15 | **Opening remarks :** Shingo Ohmori, Vice president of YRP R&D Promotion Committee |
| 10:15 - 10:30 | **Keynote speech:** "Emerging LPWA as a core of IoT: Overview and Perspective" - Shiro Sakata, Professor, Chiba University |
| 10:30 - 10:45 | **Presentation about Wi-SUN** "Interoperable Wireless Communications for IoT" - Phil Beecher, Chairman of Wi-SUN Alliance |
| 10:45 - 11:00 | **Presentation about LoRa** "Orange confirms to go with LoRa for IoT" - Jean-Michel Serre, CEO, Orange Labs Tokyo |
| 11:00 - 11:15 | **Presentation about SIGFOX** "Make things come alive" - Michael Lee, Director Global Ecosystem Partner, Asia, SIGFOX |
| 11:15 - 11:30 | **Presentation about NB-IoT** "NB-IoT: Ready for Global commercial Launch Now" -Zhu Cheng, President of Cellular IoT product line, Huawei Technology Co. Ltd. |
| 11:30 - 11:50 | Break |
| 11:50 - 12:40 | **Panel discussion** [Chair] Shingo Ohmori [Moderator] Shiro Sakata [Panelists] Phil Beecher, Jean-Michel Serre, Michael Lee, Zhu Cheng |

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### Course T-57 International Session Part 2 — "Presentations by invited speakers and foreign exhibitors"

**Date & Time** May 25, 15:30 - 17:10 **Venue** Seminar site 6 in West Hall 1 *Admission Free / Language: English (No interpretation)

| Program |
|---|
| "Meeting the challenges of 5G wireless with Artificial Intelligence (A.I.)" - Monty Barlow, Director, Wireless and Digital Services, Cambridge Consultants, Ltd. |
| "TBD" - Sequans Communications |
| "CEA-LETI solutions for 5G and Beyond" - Emilio CALVANESE STRINATI, Innovation and Scientific Director, Security, Smart Devices and Telecommunication Department, CEA-Leti |
| "Imec's solutions for the future: white-box IP for 5G, mm-wave, ultra-low-power wireless and IoT" - Dirk VAN EESTER, Founder & CEO, Agent for Imec Wireless and Silicon Services, D-VECS |

# List of Exhibitors and Highlights of Exhibition

- AI ELECTRONICS LTD.
- AISAN TECHNOLOGY CO., LTD
- ANRITSU CORPORATION
- AWR Japan K.K. (National Instruments)
- Broadband Wireless Forum
- Boole Japan CO., Ltd.
- Central Corridor CO., LTD
- CommAgiliy Limited.
- Cornes Technologies Limited
- Ericsson
- FARAD CORPORATION
- FUJITSU LIMITED
- GIT Japan, Inc.
- GNSS Technologies Inc.
- HUAWEI TECHNOLOGIES JAPAN K.K.
- Intel K.K
- interplan Co., LTD.
- ISB Corporation
- Japan Radio Co., Ltd.
- Japan Telegartner Ltd.
- Jena co. ltd.
- Johokobo, Inc.
- Kanagawa Prefectual Government
- KDDI CORPORATION
- KDDI Research, Inc.
- Keysight Technologies Japan G.K.
- Komine Musen Denki Co., Ltd.
- KOZO KEIKAKU ENGINEERING Inc.
- MARUBUN CORPORATION
- MEDIA TECH INC.
- Microwave Factory Co., Ltd.
- Ministry of Internal affairs and Communications
- Mitsubishi Electric Corporation
- MITSUBISHI ELECTRIC ENGINEERING COMPANY LIMITED
- MULTISOUP CO., LTD.
- National Institute of Information and Communications Technology (NICT)
- National Instruments Japan Corporation
- NEC Communication Systems, Ltd.
- NEC Corporation
- NIPPON TELEGRAPH AND TELEPHONE CORPORATION
- Nokia Solutions and Networks Japan Corp.
- NTT DOCOMO, INC.
- OMRON Corporation
- Panasonic Corporation
- QUALCOMM TECHNOLOGES, INC
- Quasi-Zenith Satellite System Services Inc.
- Rohde & Schwarz Japan
- Royal Danish Embassy
- Samsung Electronics Japan
- Sanritz Automation Co., Ltd.
- Satellite Positioning Research and Application Center
- Sequans Communications
- StarBridge, Inc.
- Telecom Engineering Center
- The Telecommunication Technology Committee (TTC)
- TOKYO KEIKI AVIATION INC.
- Tokyo Metropolitan Industrial Technology Research Institute (TIRI)
- TOYO Corporation
- Ubisense Inc.
- Wireless Power Management Consortium (WPMc)
- WSN Promotion Committee
- YRP R&D Promotion Committee
- ZTE JAPAN K.K.

(As of April 3)
**More updates on web!**

## 5G Tokyo Bay Summit® 2017

The 5G Tokyo Bay Summit® 2017, supported by NTT DOCOMO, will present the latest 5G initiatives by major mobile operators and manufacturers in the world, in addition to the expected use cases with new services and applications on 5G, through various demonstrations and seminars.

## Flexible Factory Project: Drive IoT in the Manufacturing Field by Wireless Technology

In recent years, wireless communications have received a lot of attentions for many applications at manufacturing. Flexible Factory Project is a verification project of wireless communication technologies to accelerate factory IoT through harmonization and stabilization as keys to control various and mixed wireless systems. At the booth, you can find our latest results, especially about how to apply wireless technologies into the management/monitoring at manufacturing.

## Fujitsu Limited

Fujitsu will present various wireless technologies and solutions to realize Hyper Connected World where everything is connected to the network, including
- World's first low-power "millimeter-wave beam multiplexing technology", enables simultaneous high-speed communication with multiple terminals
- A millimeter wave CMOS device having the world's highest speed on frequency modulation, which can be used for 5G and automotive radar
- IoT Front Network Solution based on "Web of Things(WoT)" platform for creating IOT services

## Hitachi Kokusai Electric Inc.

◆The enhanced application of the VHF Wireless Broadband Communication
· Video images and data transmission at sea and on land will be available.
· Capable of the long range relay functions.
◆Safety Solutions with Linear-Cell Radar systems that detect FOD (Foreign Object of Debris) on the airport runway
· Integrated system which consists of RoF (Radio on Fiber) technology and Millimeter-wave FMCW Radar realizing the runway safety.
· Detection of approx. 1-inch object using short wavelength; Millimeter-wave signals.

## Japan Radio Co., Ltd.

JRC shows millimeter wave solutions and various sensor solutions for future smart industry and life. For enhancement of communications, 60GHz band high rate close proximity system, etc. are shown. Sensors, the key technology for IoT applications, such as vital sensor with radar technology, are shown.

## KDDI Research, Inc

We introduce various collaborations in 5G technology with our partner corporates, and use cases to be found in every-day life with 5G.

## National Institute of Information and Communications Technology

NICT will present the latest R&D results as followings; Wireless network technology for scalable and power-saving IoT, Wireless architecture for cooperative control and Terahertz-wave technology required for future mobile communications such as 5G, Reliable wireless communications technology for robotics including drones and UAS, and Next-generation satellite communication technologies.

## NEC Corporation

NEC will exhibit 1) iPASOLINK AOR Series 2) NEC's "Tailored 5G Network", along with introduction of business use cases 3) IoT Service Enabler to meet various IoT service requirements and LoRa 4) "Hearable" seamlessly connect Virtual/Real communication environment.

## NIPPON TELEGRAPH AND TELEPHONE CORPORATION

NTT will exhibit "Millimeter-wave ultra-high-speed transmission system" which can instantaneously transfer a huge amount of data to the cloud network, "A highly reliable and low latency wireless access technology" and "Cooperative WLAN" which can achieve high throughput in high density environments.

**Support for Matching & Networking**
WTP supports B2B matching throughout the period by helping visitors from overseas find new business partners, sales market, and/or latest technologies and products in Japan. We are also happy to introduce the contact person of our exhibitors at your request. If you need our support, please consult with us by e-mail in advance to your visit.

**Inquiry**
For any inquiry or consultation, please contact WTP International Team by e-mail.

**[WTP International Team]** E-mail: wtp-i@ml.nict.go.jp

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https://www.wt-park.com/2017/register/