

October 18th, 2018

Robotics for Happiness



World Robot Summit
2018

October 17th (Wed.) – 21st (Sun.), 2018

Robot Competition and Exposition!
Featuring 134 participating teams from around the world
competing in four categories.

Hosted by the Ministry of Economy, Trade, and Industry (METI), and New Energy and Industrial Technology Development Organization (NEDO), the five-day World Robot Summit 2018 (WRS 2018) featuring robot competitions and an exposition will be held at Tokyo Big Sight from October 17 (Wed.) to 21 (Sun.), 2018.

The WRS aims to achieve a world where humans and robots can co-exist and cooperate. It is made up of competitions in four categories, and exhibitions that feature robots and robot-related products in a wide range of fields.

In the World Robot Challenge (WRC) there are nine competitions in four categories (Industrial Robotics, Service Robotics, Disaster Robotics, and Junior), and 134 participating teams from both Japan and further afield. The challenges are intended to aid in speeding technological development and to solve actual issues in robotics.

The World Robot Expo (WRE) will feature exhibitions on uses for robots today and in the future, and display a full range of robots, from the latest industrial robots to service robots that are a part of day-to-day life.

Additionally, experts from Japan and abroad have been invited to participate in the daily symposiums, and there are many interactive programs planned for visitors as well.

We would be grateful if you could help to spread the word about the World Robot Summit 2018 (WRS 2018).

※WRS 2018 is a pre-event to WRS 2020 which will be held in 2020.

The 2020 event will be held in Aichi and Fukushima prefectures.

【Contact】

Administration Office:
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(World Robot Summit Press Center)
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■ Press Registration
No web registration. Please directly visit
East Hall 6, Tokyo Big sight.



- Name : World Robot Summit 2018(WRS2018)
- Organized by : Ministry of Economy, Trade, and Industry (METI),
New Energy and Industrial Technology Development Organization (NEDO)
- Dates : October 17 (Wed.) to 21 (Sun.), 2018
- Venue : Tokyo Big Sight, East Hall 6, 7, 8
- Opening Hour : East Hall 6 10 : 00 to 17 : 00
East Halls 7 and 8 10 : 00 to 18 : 00
- *Please note that East Hall 7 will Close at 3:00pm and East hall 8 will close at noon(12:00pm) on Sunday October 21th
- Admission : Free (Registration Required)

- WRC Participants: 134 teams
 - WRE Exhibitors: 91 companies and groups
- (Team and exhibitor figures are accurate as of September 18)

● URL : <http://worldrobotsummit.org/en/>

Also held at the same time:

- Name : Japan Robot Week 2018
(Hosted by the Japan Robot Association (JARA) and The Nikkan Kogyo Shimbun, Ltd.)
(People registered to participate in WRS can also enter the exhibition at East Halls 4 and 5)
- Dates : October 17 (Wed.) to 19 (Fri.), 2018
- Venue : East Halls 4 and 5 (Monozukuri Matching Japan and other events are also planned for the same time)



The WRC competition will feature challenges (4 categories, 9 events) in fields where robots are expected to play an important role in the future. Participants will compete using technology and ingenuity to solve problems.



WRC Industrial Robotics Category

<ul style="list-style-type: none"> • Assembly Challenge 	<p>Quick and accurate assembly of model products containing technical components required in assembling industrial products.</p> <p>Task board Using the parts on a placement mat, assemble them to the designated locations on a task board.</p> <p>Kitting Pick up parts from a part bin and place them in a designated section on a part-kitting tray.</p> <p>Assembly Assemble a Belt Drive Unit using the parts placed on a part-kitting tray.</p>	
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WRC Service Robotics Category

<ul style="list-style-type: none"> • Partner Robot Challenge (Real Space/Virtual Space) • Future Convenience Store Challenge 	<p>Compete various services at home.</p> <p>Self-stocking of products, interaction with customers, and cleaning restrooms at future convenience store</p>	
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WRC Disaster Robotics Category

<ul style="list-style-type: none"> • Plant Disaster Prevention Challenge • Tunnel Disaster Response and Recovery Challenge • Standard Disaster Robotics Challenge 	<p>Inspecting and maintaining infrastructures based on several inspection methods (e.g. opening/closing valves)</p> <p>Collecting information and providing emergency response in case of a tunnel disaster</p> <p>Assessing standard performance levels required in disaster prevention and responses (e.g. mobility, sensing, information collection, wireless communication, remote control, etc.)</p>	
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WRC Junior Category

<ul style="list-style-type: none"> • School Robot Challenge • Home Robot Challenge 	<p>Program a robot that supports humans at school in order to improve school life.</p> <p>Develop and program a robot that works collaboratively with humans in home environment.</p>	
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◆ A list of participating teams is available here:
<http://worldrobotsummit.org/en/wrc2018/teams/>
 (Team videos are being added as available!)



From industrial uses to the service industry, the newest robots and robot-related technologies will be on display. Stage programs will feature lectures by experts from both Japan and abroad. Additionally, participants will be able to try robot ping pong, a programming class, and other workshops.

【Stage Programs】

○ Oct, 17th (Wed.) 12 : 30 – 14 : 00

『WRS Opening Forum ~Robotics for Happiness~』

○ Oct, 18th (Thu.) 15 : 30 – 18 : 30

『Robotics Startup Summit』

○ Oct, 19th (Fri.) 13 : 00 – 17 : 00

『The 4th RRI International Symposium ~Future Images of Industrial IOT and International Standards』

Other exciting programs will be happening every day of the summit!

Experience & Demonstration Programs

<p>Experience Play ping-pong with AI Robot "FORPHEUS"</p> <p>Supported by OMRON Venue East Hall 6</p> <p>You can experience a human-robot collaboration where FORPHEUS will personalize its moves to help you improve your skills.</p> <p></p> <p>* We will accept participation at the venue on the day.</p>	<p>Demonstration CYBATHLON</p> <p>Supported by the Science & Technology Office Tokyo, Embassy of Switzerland in Japan Venue East Hall 6</p> <p>CYBATHLON is an international competition for people with disabilities and developers of cutting-edge technology joining forces to overcome challenges of everyday life. The Swiss team that won the gold medal in the first CYBATHLON will perform a demo going up and down stairs with its powered wheelchair.</p> <p></p> <p>* Schedule is subject to change. Thank you for your understanding.</p>	<p>Hands-on Experience 『Program de Robot-Sumo』</p> <p>Oct.20 (Sat.) / 21(Sun.) only</p> <p>Supported by FUJII SOFT Venue East Hall 6</p> <p>Programming lecture using "Proro" of the latest learning robot, produced from the Robot-Sumo will be held. Demonstration will also be performed by world-class top players.</p> <p></p> <p>* Application method will be announced on the website.</p>
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