

October 18th, 2018

Robotics for Happiness



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:

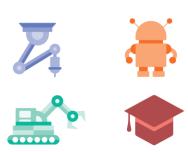
The Nikkan Kogyo Shimbun, Ltd. (World Robot Summit Press Center)

E-mail: robot-press@fullhouse.jp

TEL: 03-3405-8655
■ 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.), 2018Venue : 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.



Quick and accurate assembly of model products containing technical components required in assembling industrial products.

Task board
Using the parts on a placement mat, assemble them to the designated locations on a task board.

Kitting
Pick up parts from a part bin and place them in a designated section on a part-kitting tray.

Assembly
Assemble a Belt Drive Unit using the parts placed on a part-kitting tray.



WRC Service Robotics Category

 Partner Robot Challenge (Real Space/Virtual Space)

Compete various services at home.

 Future Convenience Store Challenge Self-stocking of products, interaction with customers, and cleaning restrooms at future convenience store



WRC Disaster Robotics Category

• Plant Disaster Prevention Challenge Inspecting and maintaining infrastructures based on several inspection methods (e.g. opening/closing valves)

 Tunnel Disaster Response and Recovery Challenge

Collecting information and providing emergency response in case of a tunnel disaster



 Standard Disaster Robotics Challenge

Assessing standard performance levels required in disaster prevention and responses (e.g. mobility, sensing, information collection, wireless communication, remote control, etc.)



WRC Junior Category

School Robot Challenge

Program a robot that supports humans at school in order to improve school life.

• Home Robot Challenge

Develop and program a robot that works collaboratively with humans in home environment.



◆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)

OOct,17th(Wed.) 12:30-14:00

OOct,18th(Thu.) 15: 30-18: 30 **[Robotics Startup Summit]** OOct,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!

