



2019WRC

世界机器人大会

World Robot Conference

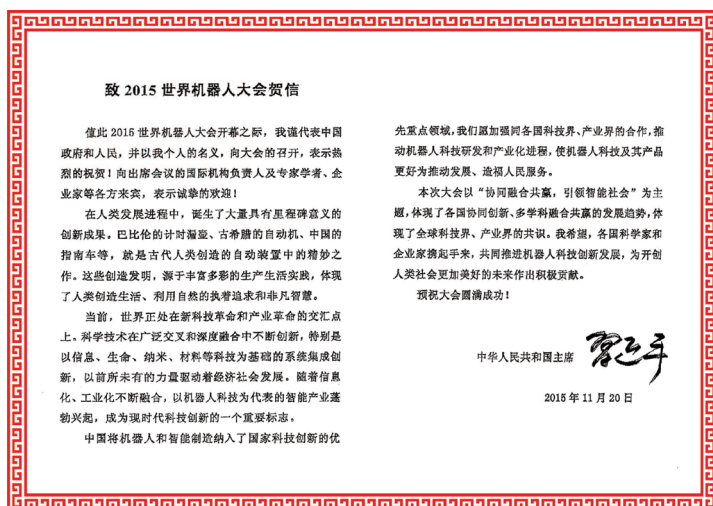
# Introduction

Beijing·China

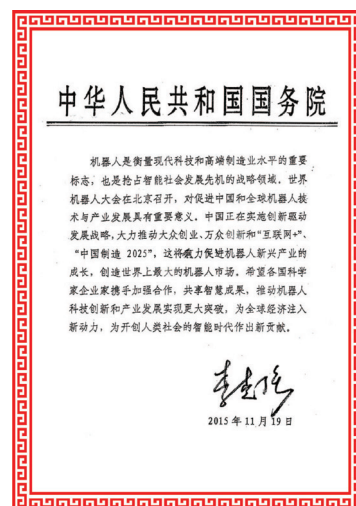
# About WRC

From 2015 to 2018, the World Robot Conference (WRC) was held four times by the People's Government of Beijing Municipality, the Ministry of Industry and Information Technology (MIIT) and the China Association for Science and Technology (CAST), with the approval from the State Council. As the largest-scale, highest-level and most-internationalized robotics conference in China, the WRC pooled the wisdom of global experts, brought together world-leading companies, and showcased the latest technical achievements. Its importance to domestic robotic entrepreneurship and innovation cannot be overstated. Each WRC has benefited from the care and guidance of the CPC Central Committee and the State Council. To the inaugural WRC, for instance, President XI Jinping sent a congratulatory letter and Premier LI Keqiang gave instructions. Among the heads of state who attended the opening ceremonies and relevant events were Vice President LI Yuanchao, Vice Premiers LIU Yandong and LIU He.

Around the theme of "Creating Intelligent Momentum for a New Era of Openness and Shared Benefits", the WRC comprises three parts - Forums, Exhibitions and Contests. It is supported by 21 international organizations, including the UN Industrial Development Organization, World Federation of Engineering Organizations, IEEE Robotics and Automation Society, International Federation for the Promotion of Mechanism and Machine Science, and International Foundation of Robotics Research. Through four years of accumulation, the WRC has evolved into an annual idea exchange and a global trendsetter in robotic policy making, technical research, product development, market expansion, industry-finance integration, and talent fostering.



The congratulatory letter to WRC 2015 from President XI Jinping



Instructions for WRC 2015 from Premier LI Keqiang



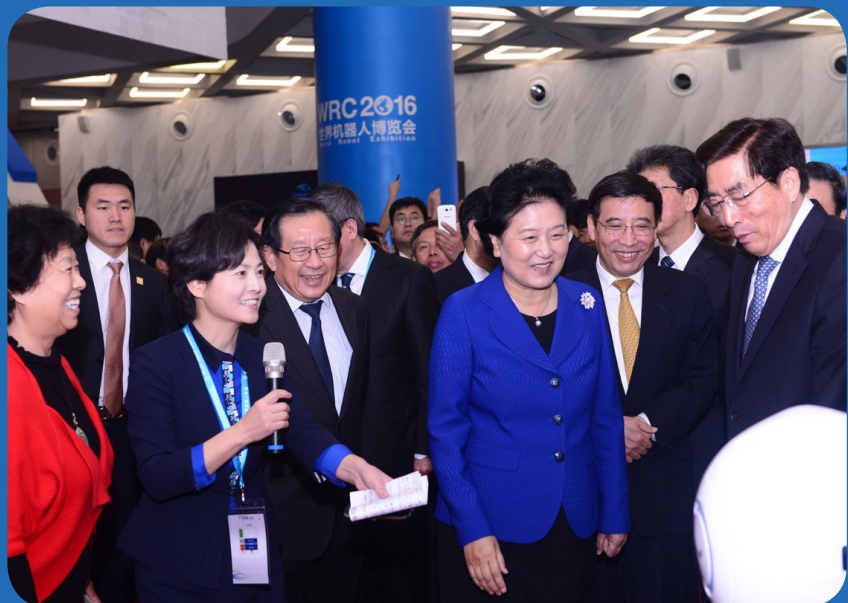


## Review of Previous WRCs

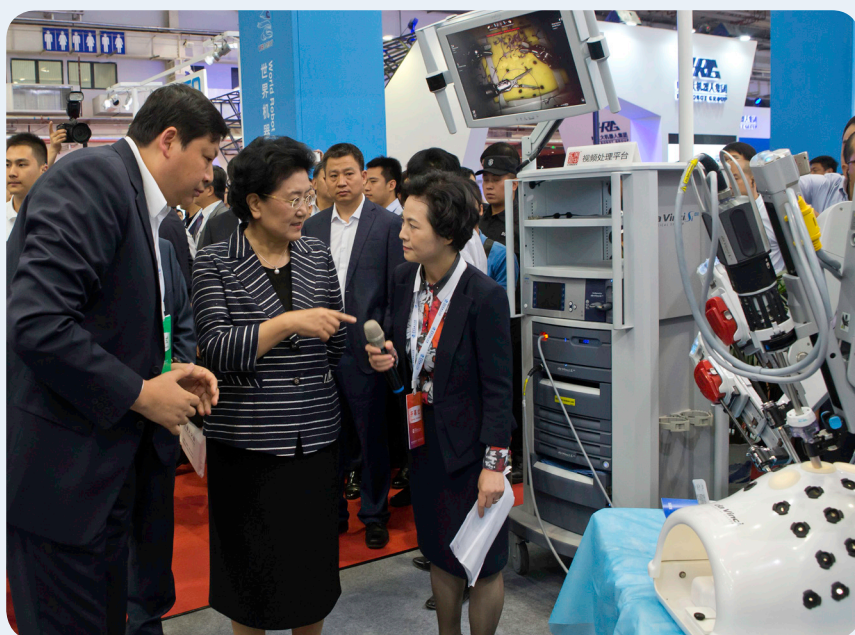


Held by MIIT, CAST and the People's Government of Beijing Municipality, WRC 2015 was the largest-scale, highest-level and most-internationalized robotics conference in China. Intensive responses were triggered from global robotic industries and the public alike. The aim to “gather the most outstanding experts, enterprises and institutes” was achieved: 116 world-renowned experts addressed the forums; 209 institutions worldwide presented their latest technologies and products; and 217 cooperative agreements worth RMB 4.2 billion were signed.

WRC 2016 was held at Beijing Etrong International Exhibition & Convention Center on Oct. 20th-25th. It was graced by the presence of over 200 top experts, scholars and entrepreneurs across the globe. Nearly 20,000 people attended the Forums. The exhibition area was twice as large as the previous one. A wide array of world-leading intelligent robotic products, including SmartBird, were displayed in China for the first time, receiving 228,000 site visits. Outstanding players from all continents entered for the six land, sea and air challenges.







Building on past successes, WRC 2017 was held by MIIT, CAST and the People's Government of Beijing Municipality on Aug. 23rd-27th. Although there was no change to the three parts - Forums, Exhibitions and Contests - it featured a higher level, a larger scale and a richer content than the previous WRCs. Among the debutants in China were robotic jellyfish and robotic dragonfly.

WRC 2018 was made up of the Main Forum (three-day), 20 Thematic Forums, Exhibitions (five-day), and six Contests (five-day). Over 300 experts, scholars, scientists and executives attended the Forums. The exhibition area exceeded 50,000m<sup>2</sup>. Agreements worth more than RMB 8.9 billion were signed on the spot. Webcast viewers approximated 15 million. This year's WRC featured greater influence, wider coverage, and a higher impetus for industries than the previous three. It also saw a sharp rise in the size of Exhibitions, the quality of Contests, and the number of international institutional supporters, domestic and foreign guests, top-notch exhibits, media agencies and posts.



## Review of Previous WRCs









## Previous International Institutional Supporters

The United Nations Industrial Development Organization (UNIDO)  
IEEE Robotics and Automation Society (IEEE RAS)  
World Federation of Engineering Organizations (WFEO)  
European Robotics Association (euRobotics)

International Federation for the Promotion of Mechanism and Machine Science (IFToMM)  
International Foundation of Robotics Research (IFRR)  
Robotic Industries Association (RIA)  
American Society of Mechanical Engineers (ASME)

Russian Association of Robotics (RAR)  
Russian Association of Industrial Internet (RAII)  
Institution of Engineering and Technology (IET)  
Associazione Italiana di Robotica e Automazione (SIRI)

Israel Robotics Association (IROB)  
Australian Robotics and Automation Association (ARAA)  
Australian Computer Society (ACS)  
Japan Science and Technology Agency (JST)

The Robotics Society of Japan (RSJ)  
Korea Association of Robot Industry (KAR)  
Korea Robotics Society (KROS)  
Arab Robotics Association (ARA)  
Robotics Society of Singapore (RSS)

## Achievements

1	Conclusion of the Beijing Consensus on Robot Innovation Cooperation
2	Release of the <i>Initiative on Global Cooperation and Development of Intelligent Robot</i>
3	Release of the <i>Outlook on Top 10 Most Promised Robotic Technologies</i>
4	Release of the <i>Top Ten Emerging Robotic Applications</i>
5	Launch of a Platform for Robotic Innovation and Application
6	Conclusion of the Memorandum of Cooperation in Robot Innovation
7	Release of <i>A Brief History of Robot</i> and <i>Towards the Robot Era - China's Choice</i>
8	Release of 17 social organization standards including the <i>Glossary of Educational Robot</i> and <i>the General Specification of Robotic Polishing Systems</i>
9	Official launch of Bots developer platform
10	Release of the <i>Industry Development Report on Robotics in China</i>
11	Release of the <i>Outlook on the Top Ten Most Promising Next-generation AI Technologies</i>
12	Release of the WRC 2018 Collected Papers
13	Launch and conferral of WRC2018 Most Innovative Product Award and WRC2018 Most Popular Exhibit Award
14	RMB 27.6 billion in trade volume during the previous four WRCs



# Figures of WRC

# 2015

## World Robot Forums 2015

1 main forum, 12 thematic forums  
200-odd top experts from 13 countries and regions  
12 international institutional supporters  
65,000 site visits and live-stream viewers

## World Robot Exhibitions 2015

Over 18,500m2 exhibitions  
209 companies, institutes and universities  
RMB 4.2 billion in trade volume  
50,000-odd visitors

## World Adolescent Robot Contest 2015

145 teams from 16 countries and regions  
700-odd contestants and coaches

## Media Focus

93 media  
200 field journalists  
10,726 reposts







# Figures of WRC

# 2016

## World Robot Forums 2016

3-day main forum, 22 thematic forums  
13 international institutional supporters  
300-odd top experts from 11 countries

## World Robot Exhibitions 2016

130 renowned companies  
Over 40,000m2 exhibitions  
228,000-odd visitors  
5 zones, 500-odd exhibits

## World Adolescent Robot Contest 2016

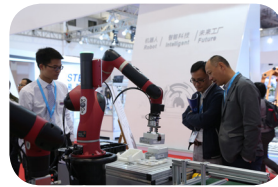
6 types of contests  
830-odd teams from 15 countries and regions  
2,500-odd contestants, including more than 400 foreign players

## Media Focus

4.42 million live-stream viewers  
11,914 reposts  
Over 260 media agencies and nearly 300 journalists on the spot









# Figures of WRC

# 2017

## World Robot Forums 2017

- 3-day main forum
- 20 thematic forums around 5 themes
- 300-odd top experts
- 15 international institutional supporters
- iFLYTEK-enabled real-time bilingual caption

## World Robot Exhibitions 2017

- Over 50,000m2 exhibitions
- 6 zones
- 140 companies
- RMB 8 billion in trade volume
- 255,000-odd visitors

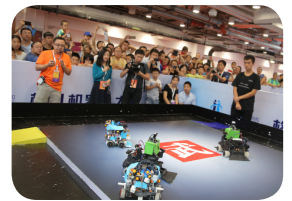
## World Adolescent Robot Contest 2017

- 5 types of contests
- 1,017 teams from more than 10 countries
- 4,500-odd contestants

## Media Focus

- 350 media
- 700 journalists
- 12,036 reposts
- 7 million live-stream viewers





# Figures of WRC

# 2018

## World Robot Forums 2018

- 3-day main forum
- 20 thematic forums around 6 themes
- 300-odd top experts
- 21 international institutional supporters
- Nearly 20,000 site visits

## World Robot Exhibitions 2018

- 4 zones, 9 themes
- Over 50,000m2 exhibitions
- 16 countries, 166 companies, 500-odd exhibits
- RMB 8.9 billion in trade volume
- 280,000-odd visitors



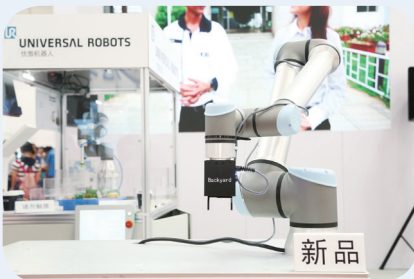
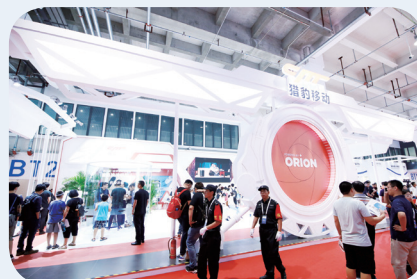


### World Adolescent Robot Contest 2017

- 6 types of contests
- Over 20 countries and regions
- 10,000-odd teams
- 50,000-odd contestants

### Media Focus

- 355 media
- 700-odd journalists
- 12,796 reposts
- 15 million live-stream viewers
- 10.92 million topic viewers on Douyin



# 2019 World Robot Conference

## Introduction

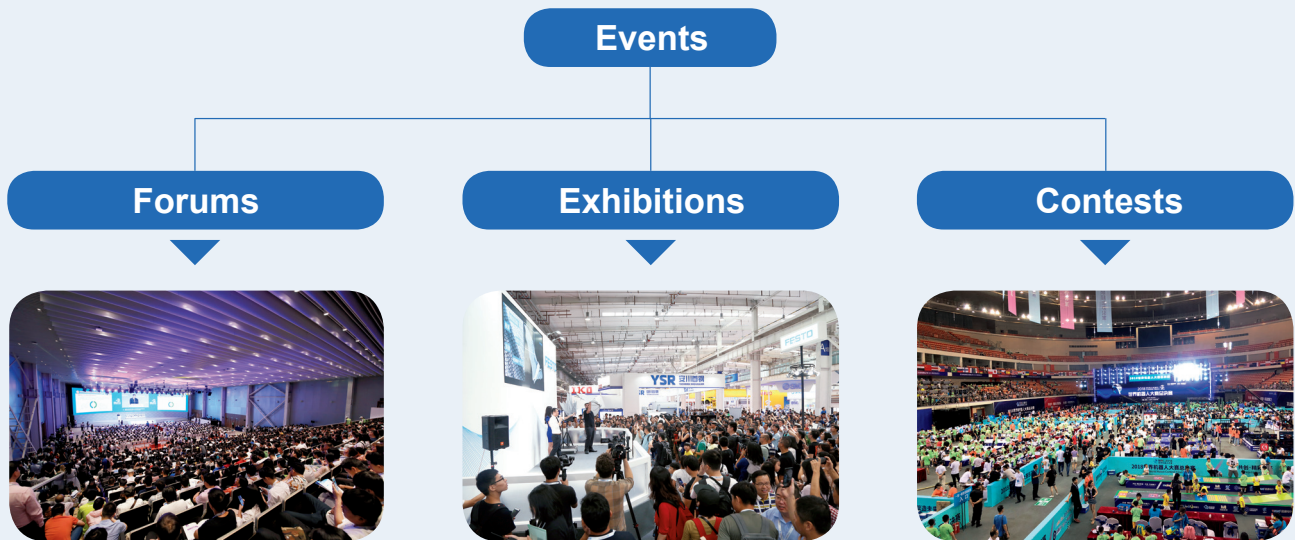
### Date

August 20-25, 2019

### Venue

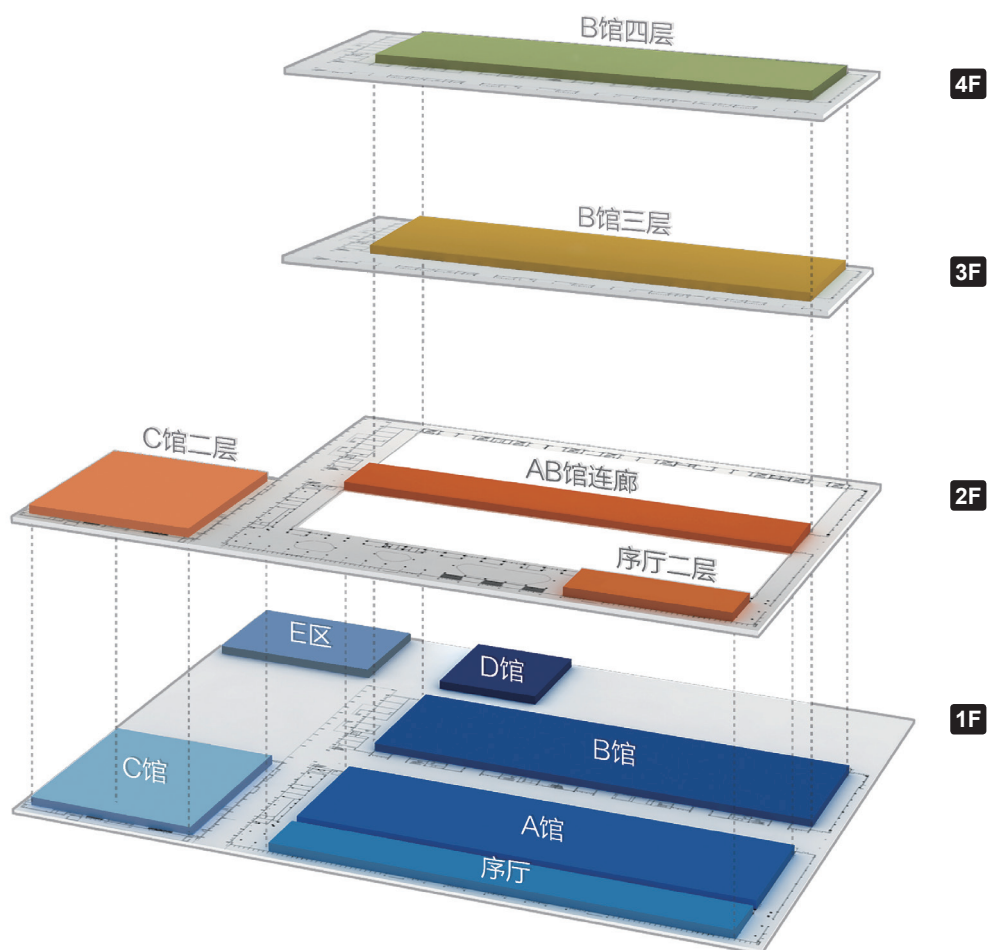
Beijing Etrong International Exhibition  
& Convention Center

WRC 2019 consists of the Opening and Closing Ceremonies, Main Forum, Exhibitions, and a number of fabulous Contests. Here, world-renowned robotic experts and scholars will put their heads together over academic frontiers. Chinese and foreign companies, universities and research institutes concerned will showcase their latest findings, products and applications.



# Layout

- 4F** ■ Hall B - 4F: Youth Design Contest
- 3F** ■ Hall B - 3F: Dining Area
- 2F** ■ Corridor between Hall A & Hall B: Dining Area  
■ Lobby - 2F: Media Area  
■ Hall C - 2F: Technology Matchmaking, Supply-Demand Matchmaking
- 1F** ■ Lobby: Exhibition Area, Service Center, Retro Exhibition Area  
■ Hall A: Industrial Robots and Core Components Exhibition Area  
■ Hall B: Service Robots Exhibition Area  
■ Hall C: Opening Ceremony, Closing Ceremony, Main Forum, "Night of Cooperation"  
■ Hall D: Special-purpose Robots Exhibition Area  
■ Zone E: KOB Robot Combat Competition Area, Intelligent Sorting Robots Exhibition Area Automated Guided Vehicle Exhibition Area, WRC Store



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World Robot Conference Web Site



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