

# IROS 2016

IEEE/RSJ International Conference on Intelligent Robots and Systems

October 9~14, 2016 Daejeon Convention Center, Daejeon, Korea

[www.iros2016.org](http://www.iros2016.org)

## Call for Participation

Road to companionship with intelligent robots in everyday life and workspaces

The 2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2016) will be held in Daejeon, Korea, during October 9-14, 2016. The venue for IROS 2016 is the Daejeon Convention Center (DCC).

Daejeon is the leading city of science and technology in Korea, adjacent to the Daedeok Innopolis, a large research complex where 20,000 engineering graduates are working for over 250 research institutes, universities, and technology companies. It also has many cultural attractions, such as the Daejeon Culture and Arts Center, the Municipal Museum of Arts, and Baekjae Cultural Zone. Various attractions and activities, such as making Korean pottery, ginseng cultivation, and temple stay programs are accessible from Daejeon.

### Tentative Program at a Glance

	Oct. 9 (Sun)	Oct. 10 (Mon)	Oct. 11 (Tue)	Oct. 12 (Wed)	Oct. 13 (Thu)	Oct. 14 (Fri)	Oct. 15 (Sat)
AM	IROS Advisory/Steering Com. Meeting  Competition Free Trials  Social Events: Sports Trials	Workshops/Tutorials	Plenary Talk 1	Plenary Talk 2	Plenary Talk 3	Workshops/Tutorials  Technical Tours	RAS Adcom. Meeting
			Opening Ceremony	PL Teaser Session	PL Teaser Session		
			Coffee	Coffee	Coffee		
			PL (Plenary) Teaser Session	Oral/Interactive Sessions	Oral/Interactive Sessions		
			Oral/Interactive Sessions				
			Lunch	Lunch	Award Luncheon		
			Keynote/ Lifetime Talks	Keynote/ Lifetime Talks	Keynote/ Lifetime Talks		
			PL Teaser Session	PL Teaser Session	PL Teaser Session		
			Oral/Interactive Sessions	Oral/Interactive Sessions	Oral/Interactive Sessions		
			Coffee	Coffee	Coffee		
Oral Sessions	Oral Sessions	Oral Sessions					
	Welcome Reception	PC Dinner/Explore Daejeon	Sports Events & Banquet	Farewell			
		Futurist Forum	Industry Forum/ Entrepreneur Forum & Startup Competition	Government Forum/ Autonomous Systems and their Societal Impact Forum		ACCAS2016 (Satellite Conf)	
		Exhibitions					
		Competitions					

### Plenary Talks



Driving together, Robot and Automobile  
Taewon Lim  
Hyundai Motor Company



Perceptual Docking – Harmonising Human Robot Interaction  
Guang-Zhong Yang  
Imperial College London



Andrew Ng  
Baidu Co.  
(Being arranged)

### Lifetime Talks



Diversity, Globalization and Robotics of the IEEE Communities  
Fumio Harashima  
Tokyo Metropolitan University



Experiences with the Evolution of Robotic Assistance – from Space to Factory, Surgery, and Intelligent Mobility  
Gerd Hirzinger / DLR



The Role We Play; Who Me?  
Wayne Book  
Georgia Tech

Keynote talks will be announced on the main website soon

For more information on the conference, please visit [www.iros2016.org](http://www.iros2016.org).



## Workshops and Tutorials

33 workshops and tutorials will cover a diverse range of topics offering a unique opportunity to disseminate in-depth information on specific topics in intelligent robotics.

## Forums

**Futurist Forum :** It brings together interdisciplinary experts from different domains, such as Epistemology, industry, government, Robotics research, consulting and other fields in order to discuss a common vision of the future. (Dominik Boesl, Dominik.Boesl@kuka.com)

**Industry Forum/Entrepreneur Forum & Startup Competition :** It is intended to inspire, educate, enable, and empower researchers, students, young professionals, and anyone else who has the “start-up bug” in starting companies. (Erwin Prassler, erwin.prassler@h-brs.de)

**Government Forum:** In this forum, major robotics R&D and education program supported by the government of each county (or region) will be introduced. Policy makers, national project leaders and researchers in robotics R&D program around the world will come together and discuss how to make robotics R&D programs have an impact on the existing and emerging industries in robotics. (Sungchul Kang, kasch@kist.re.kr)

**Autonomous Systems and their Societal Impact Forum :** It aims to bring together industry, academia, and government to understand the current and future implications of autonomous technologies via Workshops, Special Sessions, and Panel Discussions consisting of presentations and panel discussions from leaders and experts in technological, legal, and public policy fields. (Raj Madhavan, madhavan.ieeeras@gmail.com)

## Competitions

**Three competitions will be held in parallel to the technical program.**

**The IROS 2016 Autonomous Drone Racing in Mos Espa Daejeon Arena** (Hyungpil Moon, hyungpil@me.skku.ac.kr and Hyunchul Shim, hcshim@kaist.ac.kr)

**4th Humanoid Robot Application Challenge** (Jacky Baltès, jacky@cs.umanitoba.ca)

**Robotic Grasping and Manipulation Competition** (Yu Sun, yusun@cse.usf.edu)

## Late Breaking Result Reports Submission (Poster, Video, Demonstration)

Researchers have an opportunity to present recent results. Even though posters in the Late Breaking Results Report Session are not peer-reviewed and do not count as publications, this session is ideal for researchers to get feedback on their work prior to submitting it for formal publication. Prospective presenters should submit an extended abstract within two pages by August 7, 2016 through the PaperPlaza system. Videos will be allowed to be uploaded with the extended abstract. The abstracts and videos will be included in the IROS2016 conference proceedings only. If demonstration with robots is preferred, a desk will be provided. More information will be announced on the main website.

## Social Events

Apart from the technical programs, participants are also cordially invited to attend various social events, such as the Welcome Reception, Banquet, Farewell Party and Award Luncheon etc. In addition, participants are also encouraged to explore the beautiful city of Daejeon which has an endless supply of attractions and things to see and do.

**Dragon Boat Race :** Participants, who apply for the race, will be provided of boats for a practice before the technical program. Final Competition will be held as an opening ceremony of banquet.

**Longest Drive Competition in Golfzon :** Free trials for participants will be available during the conference dates in Golfzon, which is one of sponsors and next to the DCC.

**Explore Daejeon :** Free draft beer will be provided at three Western and Korean pubs in downtown on Tuesday evening, Oct. 11, 2016.

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