

ICRAS

2020 4th International Conference on
Robotics and Automation Sciences

第四届机器人与自动化科学国际会议

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Conference Abstract



June 14-16, 2020 / 6月14-16日, 2020



IEEE

01

WELCOME MESSAGE

A thank you to all the participants and conference committees

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ZOOM GUIDE

Install the Zoom Rooms application to join web conference



Conference Room ID:

Room I: [675 7968 9579](#) (main room) Room II: [680 2343 6212](#)
Note: Conference rooms will be open **30** mins before scheduled time.
Inquiry Room ID: [934 9095 6295](#)

Zoom Download:



URL: <https://zoom.us/> Zoom Using Instruction: [click](#).

Tips:

Please unmute audio and start video while your presentation.
It' s suggested to use headset with microphone or earphone with microphone.

Zoom Guide

Meeting Time:

June 15 (Monday) 09:00-18:00 — Room Open at 08:30
June 16 (Tuesday) 09:00-18:00 — Room Open at 08:30

Test Time:

Please check your assigned zoom test time, [click](#).

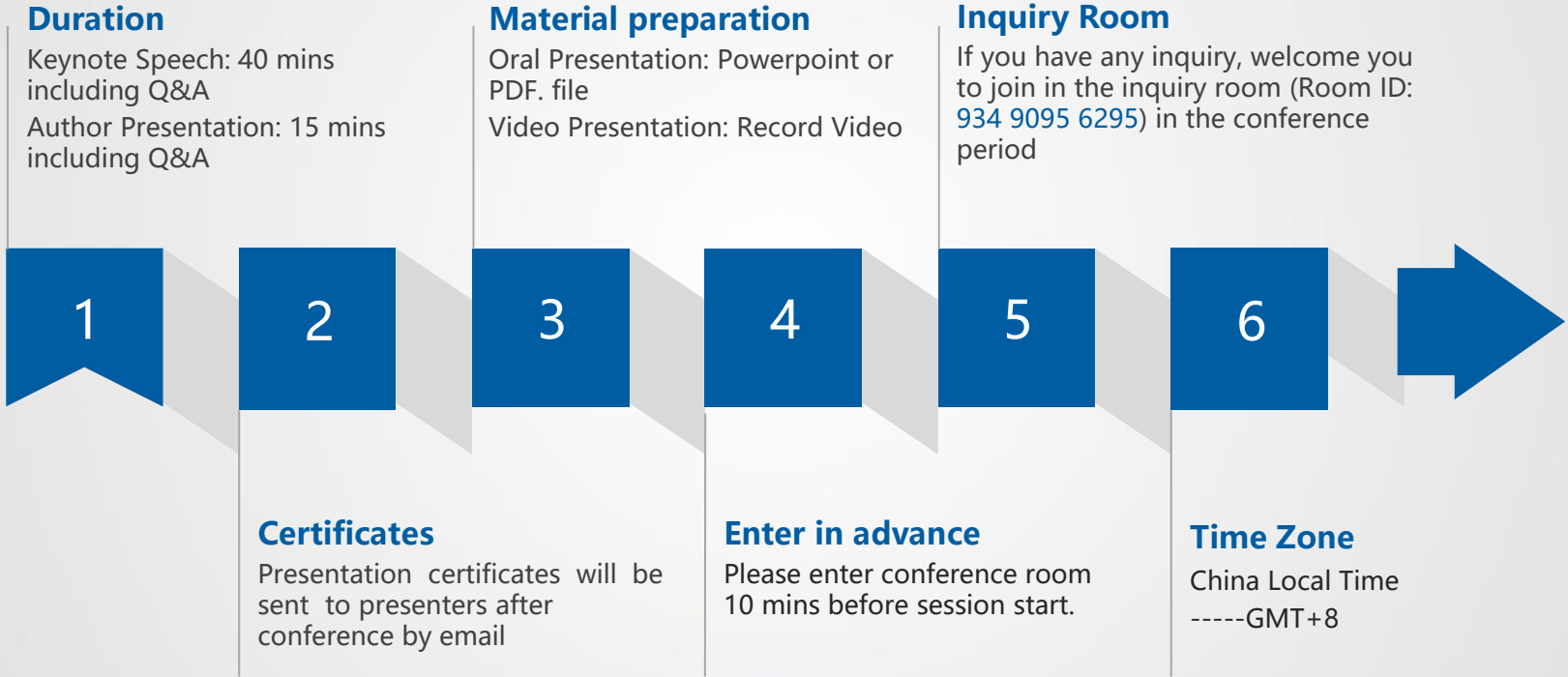
Rename ID

Author: Paper ID-Full Name	Conference Committee: Position-Full Name
Keynote Speaker: KN-Full Name	Listener: Listener-Full Name

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PRESENTATION TIPS

Essential Information of Author Presentation



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SIMPLE MAP

From June 14 (Sun), 2020 to June 16 (Tue), 2020

Date	Time	Room ID: 675 7968 9579	Room ID: 680 2343 6212	
June 14	14:00-17:00	Zoom Testing Please check your assigned zoom test time, click .		
June 15	09:00-09:05	Welcome Regards-Prof. Huafeng Ding		
	09:05-09:10	Opening Remarks-Prof. Jianxiao Zou		
	09:10-09:50	Keynote Speech I-Prof. Ferial El-Hawary (IEEE Life Fellow)		
	9:50-10:30	Keynote Speech II-Prof. Liang Yan		
	10:50-11:30	Keynote Speech III-Prof. Jianxiao Zou		
	14:00-15:45	Session 1-Materials and Mechanical Engineering	Session 2 -Mechatronics	
	16:00-18:00	Session 3-Mobile robots and motion planning	Session 4-Electronic System and Space Communication Technology	
June 16	09:00-09:40	Keynote Speech IV-Prof. Fuchun Sun (IEEE Fellow)		
	09:40-10:20	Keynote Speech V-Prof. Feng Gao		
	10:50-11:30	Keynote Speech VI-Prof. Qing Guo		
	14:00-15:45	Session 5-Aerospace engineering	Session 6 -Robot design and machine vision	
	16:15-18:00	Session 7-Applied Mechanics and Vehicle Engineering	Session 8-Soft computing and intelligent algorithms	

Time	Schedule (Conference Room ID: 675 7968 9579)
9:00-9:05	Welcome Remarks Prof. Huafeng Ding, China University of Geosciences, China
9:05-9:10	Opening Remarks Prof. Jianxiao Zou, University of Electronic Science and Technology of China, China
9:10-9:50	Keynote Speech I Prof. Ferial El-Hawary (IEEE Life Fellow) Dalhousie University, Canada Title: Most Desirable way for Obtaining Processed Useful OCEANS Big Data is By the Use of Advanced Underwater Robotics
9:50-10:30	Keynote Speech II Prof. Liang Yan, *, China Title: High performance electromagnetic actuation and its application
10:30-10:50	Break Time
10:50-11:30	Keynote Speech III Prof. Jianxiao Zou University of Electronic Science and Technology of China, China Title: Fuel cell power system automatic test, control technology and its application
11:30-14:00	Break Time

Time	Conference Room ID: 675 7968 9579	Conference Room ID: 680 2343 6212
14:00-15:45	Session 1-Materials and Mechanical Engineering A2010, A2003, A0004, A2017, A2006, A2012, A0031	Session 2 –Mechatronics A0030, A2015, A2019, A0045, A0013, A0043, A0020
15:45-16:00	Break Time	Break Time
16:00-18:00	Session 3-Mobile robots and motion planning T2004, A0017, A0019, A0032, T2008, A0035, A0039, A0015	Session 4-Electronic System and Space Communication Technology T1001, A2001, A2009, A0025, A2026, A0014, A2021, A0040

Time	Schedule (Conference Room ID: 675 7968 9579)
9:00-9:40	Keynote Speech IV Prof. Fuchun Sun (IEEE Fellow) Tsinghua University, China Title: TBA
9:40-10:20	Keynote Speech V Prof. Feng Gao Shanghai Jiao Tong University, China Title: Supper Large Parallel Robots for Ground-based Simulation of Space Collision and Docking Dynamic Process
10:20-10:50	Break Time
10:50-11:30	Keynote Speech VI Prof. Qing Guo University of Electronic Science and Technology of China, China Title: Wearable coordinated motion of Lower extremity exoskeleton with carrying external load
11:30-14:00	Break Time

Time	Conference Room ID: 675 7968 9579	Conference Room ID: 680 2343 6212
14:00-15:45	Session 5-Aerospace engineering A0041, A2014, A2024, A0027, A0008, A2018, A2016	Session 6 –Robot design and machine vision A0009, A0029, A2007, T2001, A0044, T1002, T2006
15:45-16:15	Break Time	Break Time
16:15-18:00	Session 7-Applied Mechanics and Vehicle Engineering A2004, A2011, A2020, A0006, A0010, T1006, T2003	Session 8-Applied Mechanics and Vehicle Engineering T2007, A0026, A0036, T1007, T1005, T1004, A2013



Thanks!

Please stay safe, and hope to see you next year.

Clean and disinfect

- Clean AND disinfect frequently touched surfaces daily. This includes tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, and sinks.
- If surfaces are dirty, clean them: Use detergent or soap and water prior to disinfection.

Wear a facemask

Stay home if you' re sick

- Stay home if you are sick, except to get medical care. Learn what to do if you are sick

Cover coughs and sneezes

- Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow.
- Throw used tissues in the trash.
- Immediately wash your hands with soap and water or a hand sanitizer that contains at least 60% alcohol for at least 20 seconds.