

# IEEE/RSJ International Conference on Intelligent Robots and Systems

November 3–8, 2019 | The Venetian Macao, Macau, China

## Call for Papers

The 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2019) will be held on November 3 – 8, 2019 in The Venetian Macao, Macau, China. The IROS is one of the largest and most impacting robotics research conferences worldwide. It provides an international forum for the international robotics research community to explore the frontier of science and technology in intelligent robots and smart machines. In addition to technical sessions and multi-media presentations, IROS conferences also hold panel discussions, forums, workshops, tutorials, exhibits, and technical tours to enrich the fruitful discussions among conference attendees.

Innovative research results on topics related (but not limited) to the following are invited: robot design, robot kinematics/dynamics/control, system integration, AI in robotics, sensor/actuator networks, distributed and cloud robotics, bio-inspired systems, service robots, robotics in automation, biomedical applications, autonomous vehicles (land, sea, and air), robot perception, manipulation with multifinger hands, micro/nano systems, sensor information, multimodal interface and human robot interaction, and robot vision.

### Call for Contributions

**Papers:** Prospective authors are invited to submit high-quality papers reporting original results under the broad theme, and in all areas of intelligent robot elements, systems, and applications. Best Conference Papers and Best Student Papers will be awarded. Detailed instructions for submissions are available on the conference website.

**Tutorials and workshops:** As with previous IROS conferences, the organizers intend to arrange an extensive program of workshops and tutorials to be held prior to the conference. Proposals for tutorials and workshops that address topics related to the conference theme are welcome.

**Competitions:** For organizers of robot competitions, please contact the conference competition chairs with a proposal.

**Exhibits:** IROS 2019 offers an excellent opportunity for robot companies to showcase their products and services. Ample exhibition space is available at The Venetian Macao with convenient access to the meeting space for the conference technical program. Information on exhibiting can be found on the IROS 2019 website.

### Important Dates

<b>Organized Sessions/Forums &amp; Competition Proposals</b>	<b>February 1, 2019</b>
<b>Notification of Organized Sessions/Forums &amp; Competition Acceptance</b>	<b>February 20, 2019</b>
<b>RA-Letters with IROS Option Submission</b>	<b>February 24, 2019</b>
<b>Paper Submission</b>	<b>March 1, 2019</b>
<b>Workshop/Tutorial Proposals</b>	<b>March 15, 2019</b>
<b>Notification of Workshop/Tutorial Acceptance</b>	<b>April 23, 2019</b>
<b>Notification of Paper Acceptance</b>	<b>June 30, 2019</b>
<b>Final Paper Submission</b>	<b>July 31, 2019</b>

*\*All deadlines are 23:59 PST.*

### Honorary Chairs

Fumio Harashima, Tokyo Metropolitan University, Japan  
 Tzsh-Jong Tarn, Washington University, USA  
 Way Kuo, City University of Hong Kong, China  
 Toshio Fukuda, Nagoya/Meijo University, Japan; BIT, China  
 C.S. George Lee, Purdue University, USA

### General Chair

Dong Sun, City University of Hong Kong, China

### General Co-Chairs

Hajime Asama, University of Tokyo, Japan  
 Christian Laugier, INRIA, France  
 Wen Jung Li, City University of Hong Kong, China  
 Yuan F. Zheng, Ohio State University, USA

### Program Chair

Fumihito Arai, Nagoya University, Japan

### Program Co-Chairs

Kevin Lynch, Northwestern University, USA  
 Bradley Nelson, ETH Zurich, Switzerland  
 Allison M. Okamura, Stanford University, USA  
 Hesheng Wang, Shanghai Jiao Tong University, China

### Finance Chair

Yi Guo, Stevens Institute of Technology, USA

### Awards Co-Chairs

Nancy Amato, Texas A&M University, USA  
 Chien Chern Cheah, NTU Singapore, Singapore  
 Seth Hutchinson, Georgia Institute of Technology, USA  
 Yunhui Liu, The Chinese University of Hong Kong, China

### Tutorials and Workshops Co-Chairs

Ayanna Howard, Georgia Institute of Technology, USA  
 Tony Maciejewski, Colorado State University, USA  
 Jan Peters, Darmstadt University of Technology, Germany  
 Li Zhang, The Chinese University of Hong Kong, China

### Publicity Co-Chairs

Sabine Hauert, University of Bristol, United Kingdom  
 Ryo Kurazume, Kyushu University, Japan  
 Lianqing Liu, Shenyang Institute of Automation, CAS, China  
 Jing Xiao, Worcester Polytechnic Institute, USA

### Publication Co-Chairs

Zhidong Wang, Chiba University of Technology, Japan  
 Pakpong Chirarattananon, City University of Hong Kong, China

### Special Forum Co-Chairs

Sergej Fatikow, University of Oldenburg, Germany  
 H. Andy Park, Rethink Robotics, USA  
 Hong Qiao, Institute of Automation, CAS, China  
 Danwei Wang, NTU Singapore, Singapore

### Competition Co-Chairs

King Lai, City University of Hong Kong, China  
 Yantao Shen, University of Nevada, USA

### Local Arrangement Co-Chairs

Yajing Shen, City University of Hong Kong, China  
 Qingsong Xu, University of Macau, China

### Exhibits Co-Chairs

Haoyao Chen, Harbin Institute of Technology, China  
 Ming Liu, HKUST, China

### Registration Co-Chairs

Henry K. Chu, The Hong Kong Polytechnic University, China  
 Xiangpeng Li, Soochow University, China

### Information Technology

Jia Pan, City University of Hong Kong, China

### Conference Secretary

Miranda Chi, City University of Hong Kong, China