

2021 International BOTEC Intelligent Robotics Challenge

The First International BOTEC Intelligent Robotics Challenge (hereinafter referred to as BOTEC) will be held in Shenzhen in 2021. The international BOTEC competition is sponsored by The People's Government of Longhua, Shenzhen, and organized by The Science and Technology Innovation Bureau of Longhua, Shenzhen, Harbin Institute of Technology, Shenzhen and Leju (Shenzhen) Robotics Technology Co., Ltd.

1. Core Value

Communication, Guidance, Innovation, Evolution

2. Schedule

The competition is divided into two phases: the preliminary tests and the final. Contestants are required to pass two rounds of preliminary tests so as to compete in the final challenge. The first round of preliminary test would be conducted online through a written test or remote interview. Successful contestants will participate in the second round of preliminary test which is an online video inspection, focusing on the review of the team's progress and achievement demonstration. Qualified contestants would be eligible to participate in the final competition. For more details go to the Official website: BOTEC.hitsz.edu.cn or follow the official Wechat account: BOTEC.

Time	Schedule
Jul, 2021	Competition Announcement Release Registration Open
Aug, 2021	First Round of Preliminary Test
Sep, 2021	Second Round of Preliminary Test
Nov, 2021	Final Competition (November 21-23 TBC)

3. Event

The simulation competition uses the unified and open virtual simulation platform provided by BOTEC Organizing Committee. Through the use of computer vision, motion control and other algorithms, the participating teams make the robot possess the ability of movement and perception through the reasonable design of algorithms, complete the missions specified in the competition in the virtual laboratory environment, and submit the code and technical report required by BOTEC Organizing Committee.

4. Requirements

Full-time undergraduate and postgraduate students enrolled before July 1, 2021 can apply for registration at <http://botec.hitsz.edu.cn/>. There can be up to 5 students on a team, with no restriction of majors, grades, and schools.

5. Awards

1 First Prize Team, 3 Second Prize Teams and 7 Third Prize Teams would be generated in the final competition. The First Prize Team awarded RMB 80000 pre-tax; Second Prize Team awarded RMB 40000 pre-tax; Third Prize Team awarded RMB10000 pre-tax. The First and Second Prize Team would be granted the right to waive the First Round of Preliminary Test in future contests.

6. Contact

E-mail: botec2021@126.com.

The above contents shall be formulated, revised and interpreted by BOTEC Organizing Committee, and the right to change them due to epidemic prevention and control or other force majeure shall be reserved.

International BOTEC Organizing Committee

Harbin Institute of Technology, Shenzhen

July 13, 2021

Appendix 1:

The 1st international BOTECH intelligent robotics challenge

List of members of the expert committee

Honorary director:	Hegao Cai	Harbin Institute of Technology
Director:	Zongquan Deng	Harbin Institute of Technology
Deputy Director:	Jie zhao	Harbin Institute of Technology
	Lining Sun	Suzhou University
	Zexiang Li	The Hong Kong University of Science and Technology
Secretary general:	Yunjiang Lou	Harbin Institute of Technology(Shenzhen)
Expert committee:	Zhendong Dai	Nanjing University of Aeronautics and Astronautics
	Yuanlong Deng	Shenzhen University
	Jianda Han	Nankai University
	Bin He	Tongji University
	Qiang Huang	Beijing Institute of Technology
	Tian Huang	Tianjin University
	Xiaokun Leng	Harbin Institute of Technology
	Shutao Li	Hunan University

Yibin Li	Shandong University
Zhijun Li	University of Science and Technology of China
Lianqing Liu	Shenyang Institute of automation, Chinese Academy of Sciences
Xinjun Liu	Tsinghua University
Yunhui Liu	The Chinese University of Hong Kong
Jun Luo	Chongqing University
Xuesong Mei	Xi'an Jiaotong University
Yiming Rong	South University of Science and Technology of China
Bo Tao	HuazhongUniversity of Science and Technology
Shuo Wang	Institute of automation, Chinese Academy of Sciences
Qining Wang	Peking University
Tianmiao Wang	Beijing University of Aeronautics and Astronautics
Xinyu Wu	Shenzhen Institute of advanced integrated technology, Chinese Academy of Sciences
Shaorong Xie	ShangHai University
Rong Xiong	Zhejiang University
Xin Xu	NationalUniversity of Defense Technology

Guilin Yang	Ningbo Institute of materials technology and engineering, Chinese Academy of Sciences
Junzhi Yu	Peking University
Kaifu Zhang	Northwestern Polytechnical University
Xianmin Zhang	South China University of Technology
Bin Zi	Hefei University of Technology

Appendix 2:

The 1st international BOTECH intelligent robotics challenge

List of members of the Organizing Committee

Director:	Jianmin Chen	Deputy district chief, Shenzhen Longhua District People's Government
	Liang zhen	Vice-President, Harbin Institute Technology
Deputy	Jiang Lu	Managing Director, Science and technology innovation Bureau, Longhua District, Shenzhen
Director :	Guangfu Ma	Assistant principal, HIT (Shenzhen)
Secretary general:	Haiyan Guan	HIT (Shenzhen) Director of International Affairs Office
	Lin Chang	CEO, Leju(Shenzhen) Robotics Co.,Ltd
Committee:	Haoyao Chen	Professor, HIT (Shenzhen)
	Hongwei Zhang	Professor ,HIT (Shenzhen)
	Jie Mei	Associate professor ,HIT (Shenzhen)
	Shuang Song	Associate professor ,HIT (Shenzhen)

Liang Zhu	Principal, Science and technology innovation Bureau, Longhua District,Shenzhen
Suyu Zhu	Principal, Science and technology innovation Bureau, Longhua District,Shenzhen
Jue Wang	Director of International affairs, HIT.
Zhendong Ke	CPO, Leju(Shenzhen) Robotics Co.,Ltd
Min Zhang	Principal, Leju(Shenzhen) Robotics Co.,Ltd
Hao Xu	Principal, Leju(Shenzhen) Robotics Co.,Ltd