

A BIG THANK YOU TO OUR PARTNERS

Diamond Sponsors



美团·机器人研究院
MEITUAN ACADEMY OF ROBOTICS SHENZHEN



Platinum Sponsors



CHINGMU



—法奥机器人—



Gold Sponsors



NOKOV



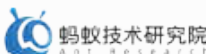
UNITREE 宇树



京-HUMANOID
北京人形机器人创新中心



Poxini



蚂蚁技术研究院



字节跳动
ByteDance



TII
Technology Innovation Institute

Silver Sponsors



DexRobot
灵巧智能



PNDbotics



N2KOTOM



FRANKA ROBOTICS

Bronze Sponsors



Meituan



Baidu 百度



WUJI



UniXAI



KUKA



QUALISYS



高维机电



robosense



EFDRT



Openmind



元客视界



星尘智能



XUNWU



上海交通大学



NICON

CONFERENCE VENUE MAP



FORUMS

Tuesday (Oct.21)		
Time	Forum	Location
10:30-12:00	Government Forum	405A
12:15-13:15	RAS Town Hall Meeting	405A
13:30-15:30	Editor - in - Chief Forum I	405A
16:00-18:00	Editor - in - Chief Forum II	405A
Wednesday (Oct.22)		
Time	Forum	Location
10:30-14:00	WIE Forum	Chengshan Hall ABCD (North Star Hotel)
12:20-13:20	Debate - Humanoids Will Soon Replace Most Human Workers: True or False?	Exhibition Hall 4D
15:00-18:00	How To Trust Robots Further than You Can Throw Them	405A
Thursday (Oct.23)		
Time	Forum	Location
10:30-11:50	Industry Forum - Medical Robotics	405A
13:20-14:40	Industry Forum - Humanoid Robotics	405A
14:00-18:00	Industry Forum - Entrepreneurship Session	Exhibition Hall 3C
15:00-16:20	Industry Forum - Field &Service Robotics	405A
16:40-18:00	Industry Forum - Manufacturing Robotics	405A



The 2025 IEEE/RSJ International Conference on Intelligent Robots and Systems
Human-Robotics Frontier

October 19-25, 2025
Hangzhou · CHINA

Organizers



Co-organizer



PROGRAM AT A GLANCE

	Sunday (Oct.19)	Monday (Oct.20)		Tuesday (Oct.21)	Wednesday (Oct.22)	Thursday (Oct.23)	Friday (Oct.24)	Saturday (oct.25)				
Morning	Technical Tours	Workshops & Tutorials (AM)	08:30-09:00	Opening Ceremony					Workshops & Tutorials (AM)	Technical Tours		
			09:00-10:00	Plenary Talk		Plenary Talk		Plenary Talk			Workshops & Tutorials (AM)	
			Coffee Break	Technical Sessions & Keynote Sessions	Technical Sessions & Keynote Sessions	Technical Sessions & Keynote Sessions	Coffee Break	09:00-13:00				
			10:30-11:00									Lunch
11:50-13:20		Lunch	Awards Lunch						Coffee Break 10:30-11:00			
Noon		13:20-14:40	Competitions & Exhibition & Forum	Competitions & Exhibition & Forum	Competitions & Exhibition & Forum	Competitions & Exhibition & Forum	Workshops & Tutorials (PM)					
Afternoon		Coffee Break						Technical Sessions & Keynote Sessions	Technical Sessions & Keynote Sessions		Technical Sessions & Keynote Sessions	13:00-17:00
		15:00-16:20										
	Coffee Break	Coffee Break 15:00-15:30										
	16:40-18:00											
Evening		Welcome Reception	18:30-20:30		Banquet	Farewell Party (schedule as per option)						

WIFI INFORMATION

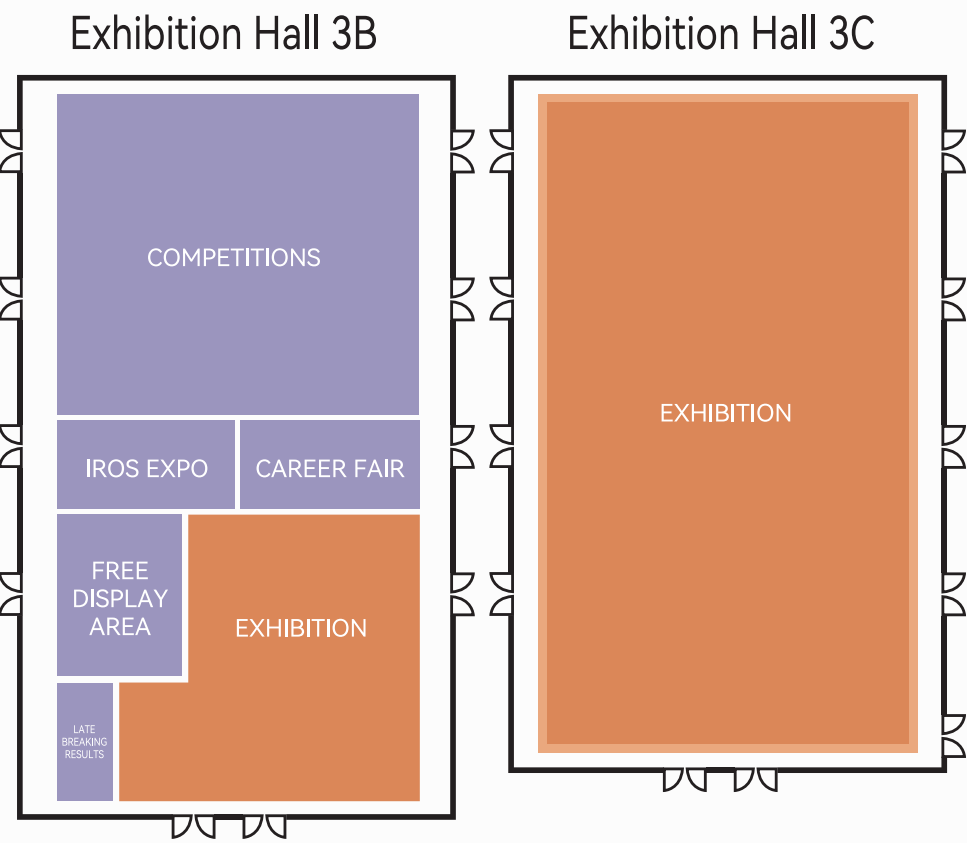


Network: IROS
Password: IROS2025



Scan the QR code to enter the official website of IROS 2025

Exhibition





EXHIBITION LOCATION
EXHIBITION HALL 3B & 3C



EXHIBITION TIME
OCT.21: 08:30-18:00
OCT.22: 08:30-18:00
OCT.23: 08:30-18:00



IROS EXPO LOCATION
EXHIBITION HALL 3B



IROS EXPO TIME
OCT.21: 13:00-17:00



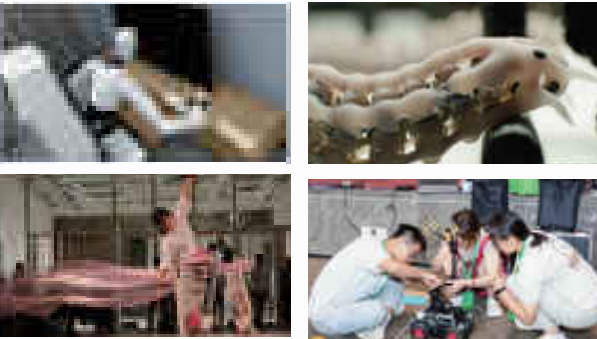
REGISTRATION LOCATION
3RD FLOOR REGISTRATION DESK



REGISTRATION TIME
OCT.19: 14:00-19:00
OCT.20: 07:30-18:30
OCT.21: 07:30-18:30
OCT.22: 08:00-17:30
OCT.23: 08:00-17:30
OCT.24: 08:00-14:00

COMPETITIONS

- AGIBOT WORLD CHALLENGE
- ROBOSENSE: THE ROBUST ROBOT SENSING CHALLENGE
- FUTURE OF ROBO
- AERIAL AUTONOMY CHALLENGE
- QUADRUPED ROBOT CHALLENGE (QRC)
- VOLTING CUP
- THE EMBODIED INTELLIGENCE CHALLENGE
- MECHA CHALLENGE

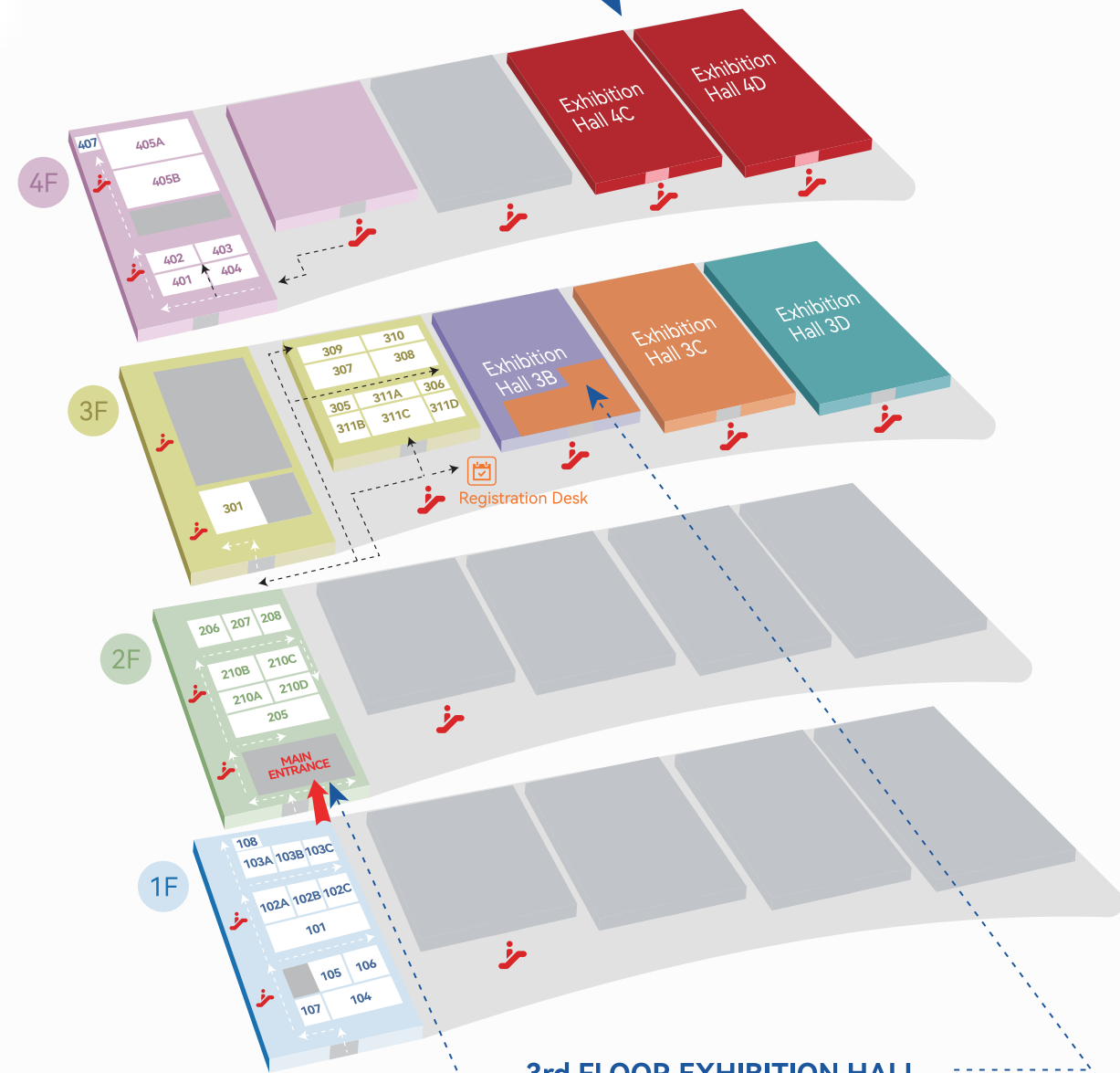


Conference Agenda

Tuesday October 21, 2025			
Opening	08:30-09:00	Exhibition Hall 4D	Opening Ceremony
Plenary	09:00-10:00	Exhibition Hall 4D	Song-Chun Zhu - TongBrain: Bridging Physical Robots and AGI Agents
Keynote	10:30-11:50	405B	Rehabilitation & Physically Assistive Systems
	13:20-14:40	405B	Bio-inspired Robotics
	15:00-16:20	405B	Soft Robotics
	16:40-18:00	405B	AI and Robot Learning
Wednesday October 22, 2025			
Plenary	09:00-10:00	Exhibition Hall 4D	Marco Hutter - The New Era of Mobility: Humanoids and Quadrupeds Enter the Real World
Keynote	10:30-11:50	405B	Perception and Sensors
	13:20-14:40	405B	Human Robot Interaction
	15:00-16:20	405B	Embodied intelligence
	16:40-18:00	405B	Medical Robots
Thursday October 23, 2025			
Plenary	09:00-10:00	Exhibition Hall 4D	Hyoun JIN Kim - Autonomous Aerial Manipulation: Toward Physically Intelligent Robots in Flight
Keynote	10:30-11:50	405B	Field Robotics
	13:20-14:40	405B	Humanoid Robot Systems
	15:00-16:20	405B	Mechanisms and Controls
	16:40-18:00	405B	Learning and Embodied Control

4th FLOOR EXHIBITION HALL

4C: BANQUET
4D: OPENING CEREMONY
PLENARY TALKS, BANQUET
AWARD LUNCH



3rd FLOOR EXHIBITION HALL
3B: COMPETITIONS, LATE BREAKING RESULTS, IROS EXPO, CAREER FAIR, EXHIBITION
3C: EXHIBITION
3D: LUNCH AREA

2nd FLOOR MAIN ENTRANCE
WELCOME RECEPTION



Tuesday October 21, 2025		
conference center	10:30-11:50	
	401	Award Finalists 1
	402	Mobile Manipulation 1
	403	In-Hand Manipulation
	404	Robot Safety 1
	407	Motion Control 1
	301	Micro/Nano Robots 1
	307	Motion and Path Planning 1
	308	Medical Robots and Systems 1
	309	Computer Vision Applications
	310	Computer Vision for Medical Robotics
	311A	Reinforcement Learning 1
	311B	RGB-D Perception 1
	311C	Deep Learning for Visual Perception 1
	311D	Deep Learning Methods 1
	206	Swarm Robotics 1
	207	Human-Robot Interaction 1
	210A	Autonomous Navigation
	210B	Multi-Robot Systems 1
	210C	Grasping 1
	210D	Humanoid Robot Systems 1
	101	Optimization and Optimal Control 1
	102A	Robotics and Automation in Agriculture and Forestry 1
	102B	Sensor Fusion 1
	102C	Software Architecture and Tools
	103A	Dexterous Manipulation 1
	103B	Soft Robot Materials and Design 1
	103C	Space Robotics and Automation
	104	Marine Robotics 1
	105	SLAM 1
	106	Aerial Perception 1
13:20-14:40		
401	Award Finalists 2	
402	Mobile Manipulation 2	
403	Agricultural Automation	
404	Robot Safety 2	
407	Motion Control 2	
301	Micro/Nano Robots 2	
307	Motion and Path Planning 2	
308	Medical Robots and Systems 2	
309	Semantic Scene Understanding: Sensor Fusion	
310	Semantic Scene Understanding	
311A	Reinforcement Learning 2	
311B	RGB-D Perception 2	
311C	Deep Learning for Visual Perception 2	
311D	Deep Learning Methods 2	
206	Swarm Robotics 2	
207	Human-Robot Interaction 2	
210A	Autonomous Vehicles 1	
210B	Multi-Robot Systems 2	
210C	Grasping 2	
210D	Humanoid Robot Systems 2	
101	Optimization and Optimal Control 2	
102A	Robotics and Automation in Agriculture and Forestry 2	
102B	Sensor Fusion 2	
102C	Software Architecture and AI-Based Methods	
103A	Dexterous Manipulation 2	
103B	Soft Robot Materials and Design 2	
103C	Service Robotics	
104	Marine Robotics 2	
105	SLAM 2	
106	Aerial Perception 2	

Wednesday October 22, 2025		
conference center	10:30-11:50	
	401	Award Finalists 5
	402	Modeling, Control, and Learning for Soft Robots 3
	403	Soft Sensors and Actuators 1
	404	Surgical Robotics
	407	Kinematics, Planning and Control 1
	301	Deep Learning in Grasping and Manipulation 1
	307	Motion and Path Planning 5
	308	Medical Robots and Systems 5
	309	Object Detection, Segmentation and Categorization 1
	310	Range Sensing 1
	311A	Reinforcement Learning 5
	311B	Robotic Imitation Learning 1
	311C	Deep Learning for Visual Perception 5
	311D	Learning from Demonstration 1
	206	Computer Vision 1
	207	Prosthetics and Exoskeletons 1
	210A	Intelligent Transportation Systems 1
	210B	Multi-Robot Systems 5
	210C	Biologically-Inspired Robots 1
	210D	Grasping & Manipulation 1
	101	Force and Tactile Sensing 1
	102A	Mechanism and Control
	102B	Path Planning for Multiple Mobile Robots or Agents 1
	102C	Sensor Fusion 5
	103A	Legged Robots 1 - Locomotion
	103B	Localization 1
	103C	Performance Evaluation and Benchmarking 1
	104	Marine Robotics 5
	105	SLAM 5
	106	Aerial Systems: Mechanics and Control 1
13:20-14:40		
401	Sensor Fusion & SLAM 1	
402	Social HRI	
403	Soft Sensors and Actuators 2	
404	Surgical Robotics: Planning	
407	Kinematics, Planning and Control 2	
301	Deep Learning in Grasping and Manipulation 2	
307	Motion and Path Planning 6	
308	Micro/Nano Robots 5	
309	Object Detection, Segmentation and Categorization 2	
310	Recognition 1	
311A	Reinforcement Learning 6	
311B	Robotic Imitation Learning 2	
311C	Deep Learning for Visual Perception 6	
311D	Learning from Demonstration 2	
206	Computer Vision 2	
207	Prosthetics and Exoskeletons 2	
210A	Intelligent Transportation Systems 2	
210B	Multi-Modular Robot Systems 1	
210C	Biologically-Inspired Robots 2	
210D	Grasping & Manipulation 2	
101	Force and Tactile Sensing 2	
102A	Mechanism Design 1	
102B	Path Planning for Multiple Mobile Robots or Agents 2	
102C	Sensor Fusion 6	
103A	Legged Robots 2 - Learning	
103B	Localization 2	
103C	Performance Evaluation and Benchmarking 2	
104	Marine Robotics 6	
105	SLAM: Localization 1	
106	Aerial Systems: Mechanics and Control 2	

Thursday October 23, 2025		
conference center	10:30-11:50	
	401	Intention Recognition 1
	402	Industrial Robots and Actuators 1
	403	Physical Human-Robot Interaction 1
	404	AI-Enabled Robotics 1
	407	Formal Method in Robotics and Automation 1
	301	Deep Learning in Grasping and Manipulation 5
	307	Human-Aware Motion Planning 1
	308	Human-Robot Collaboration and Teaming 1
	309	Object Detection, Segmentation and Categorization 5
	310	Visual-Inertial SLAM
	311A	Reinforcement Learning 9
	311B	Vision-Based Navigation 1
	311C	Deep Learning for Visual Perception 9
	311D	Deep Learning Methods 6
	206	Telerobotics and Teleoperation 1
	207	Task and Motion Planning 1
	210A	Field Robots 1
	210B	Mapping 1
	210C	Biologically-Inspired Robots 5
	210D	Perception for Grasping and Manipulation 1
	101	Machine Learning for Robot Control 1
	102A	Dual Arm Manipulation 1
	102B	Force and Tactile Sensing 4
	102C	Calibration and Identification 1
	103A	Legged Robots 5
	103B	Localization 5
	103C	Energy and Environment-Aware Automation 1
	104	Rehabilitation Robotics 1
	105	Wearable Robotics 1
	106	Wheeled Robots 1
13:20-14:40		
401	Intention Recognition 2	
402	Industrial Robots and Actuators 2	
403	Physical Human-Robot Interaction 2	
404	AI-Enabled Robotics 2	
407	Formal Method in Robotics and Automation 2	
301	Deep Learning in Grasping and Manipulation 6	
307	Human-Aware Motion Planning 2	
308	Human-Robot Collaboration and Teaming 2	
309	Transportation Vision	
310	Visual Servoing and Tracking	
311A	Reinforcement Learning 10	
311B	Vision-Based Navigation 2	
311C	Deep Learning for Visual Perception 10	
311D	Medical Robots and Systems 6	
206	Telerobotics and Teleoperation 2	
207	Task and Motion Planning 2	
210A	Field Robots 2	
210B	Mapping 2	
210C	Aerial Systems: Applications 1	
210D	Perception for Grasping and Manipulation 2	
101	Machine Learning for Robot Control 2	
102A	Dual Arm Manipulation 2	
102B	Force and Tactile Sensing 5	
102C	Calibration and Identification 2	
103A	Legged Robots 6	
103B	Cooperating Robots	
103C	Energy and Environment-Aware Automation 2	
104	Rehabilitation Robotics 2	
105	Wearable Robotics 2	
106	Wheeled Robots 2	

15:00-16:20		
401	Award Finalists 3	
402	Modeling, Control, and Learning for Soft Robots 1	
403	Autonomation at Micro-Nano Scales	
404	Robot Control	
407	Dynamics	
301	Micro/Nano Robots 3	
307	Motion and Path Planning 3	
308	Medical Robots and Systems 3	
309	Semantic Scene Understanding: Visual Learning	
310	Semantic Scene Understanding: Segmentation and Mapping	
311A	Reinforcement Learning 3	
311B	RGB-D Perception 3	
311C	Deep Learning for Visual Perception 3	
311D	Deep Learning Methods 3	
206	Simulation	
207	Human-Robot Collaboration	
210A	Autonomous Vehicles 2	
210B	Multi-Robot Systems 3	
210C	Grasping 3	
210D	Humanoid and Bipedal Locomotion 1	
101	Optimization and Optimal Control 3	
102A	Robotics in Automation in Construction	
102B	Sensor Fusion 3	
102C	Robust/Adaptive Control 1	
103A	Dexterous Manipulation 3	
103B	Soft Robot Materials and Design 3	
103C	Parallel and Redundant Robots 1	
104	Marine Robotics 3	
105	SLAM 3	
106	Aerial Systems	
16:40-18:00		
401	Gesture, Posture and Facial Expressions 2	
402	Intelligent and Flexible Manufacturing	
403	Autonomous Agents 2	
404	AI-Enabled Robotics 4	
407	Tendon/Wire Mechanism	
301	Data Sets for Robotics 2	
307	Human Detection and Tracking	
308	Human-Centered Robotics 2	
309	Visual Learning	
310	Visual Servoing and Application	
311A	Physically Assistive Devices	
311B	Vision-Based Navigation 4	
311D	Medical Robots and Systems 8	
206	Perception for Grasping and Manipulation 5	
207	Task Planning: AI-Based Methods	
210A	Field Robots 4	
210B	Mapping 4	
210C	Aerial Systems: Applications 3	
210D	Perception for Grasping and Manipulation 4	
101	Machine Learning for Robot Control 4	
102A	Collision Avoidance 2	
102B	Networked System and Telerobotics	
102C	Educational and Emotional Robotics	
103A	Planning and AI-Based Methods	
103B	Human and Humanoid Motion Analysis and Synthesis	
103C	Flexible Robotics	
104	Medical Vision	
105	Manipulation Planning	
106	Embedded Systems for Robotics and Automation	

15:00-16:20		
401	Sensor Fusion & SLAM 2	
402	Vehicle Intelligence	
403	Soft Sensors and Actuators 3	
404	Surgical Robotics: Laparoscopy	
407	AI-Based Methods	
301	Deep Learning in Grasping and Manipulation 3	
307	Motion and Path Planning 7	
308	Micro/Nano Robots 6	
309	Object Detection, Segmentation and Categorization 3	
310	Recognition 2	
311A	Reinforcement Learning 7	
311B	Robotic Imitation Learning 3	
311C	Deep Learning for Visual Perception 7	
311D	Learning from Demonstration 3	
206	Autonomous Vehicle Navigation 1	
207	Prosthetics and Exoskeletons 3	
210A	Intelligent Transportation Systems 3	
210B	Multi-Modular Robot Systems 2	
210C	Biologically-Inspired Robots 3	
210D	Grasping & Manipulation 3	
101	Force and Tactile Sensing 3	
102A	Mechanism Design 2	
102B	Path Planning for Multiple Mobile Robots or Agents 3	
102C	Computer Vision for Transportation 1	
103A	Legged Robots 3 - Control	
103B	Localization 3	
103C	Planning, Scheduling and Coordination 1	
104	Cognitive Robotics 7	
105	SLAM: Localization 2	
106	Aerial Systems: Perception and Autonomy 1	
16:40-18:00		
401	Sensor Fusion & SLAM 3	
402	Actuation and Joint Mechanisms	
403	Soft Sensors and Actuators 4	
404	VR and Vision-Based Planning	
407	Computer Architecture and Computational Geometry	
301	Deep Learning in Grasping and Manipulation 4	
307	Motion and Path Planning 8	
308	Micro/Nano Robots 7	
309	Object Detection, Segmentation and Categorization 4	
310	Bioinspired Robot Learning	
311A	Reinforcement Learning 8	
311B	Robotic Imitation Learning 4	
311C	Deep Learning for Visual Perception 8	
311D	Deep Learning Methods 5	
206	Autonomous Vehicle Navigation 2	
207	Computer Vision for Automation and Manufacturing	
210A	Intelligent Transportation Systems 4	
210B	Probability and Statistical Methods	
210C	Biologically-Inspired Robots 4	
210D	Haptics and Haptic Interfaces	
101	SLAM and Control	
102A	Mechanism Design 3	
102B	Path Planning for Multiple Mobile Robots or Agents 4	
102C	Computer Vision for Transportation 2	
103A	Legged Robots 4	
103B	Localization 4	
103C	Planning, Scheduling and Coordination 2	
104	Cognitive Robotics	
105	SLAM: Sensing and Mapping	
106	Aerial Systems: Perception and Autonomy 2	