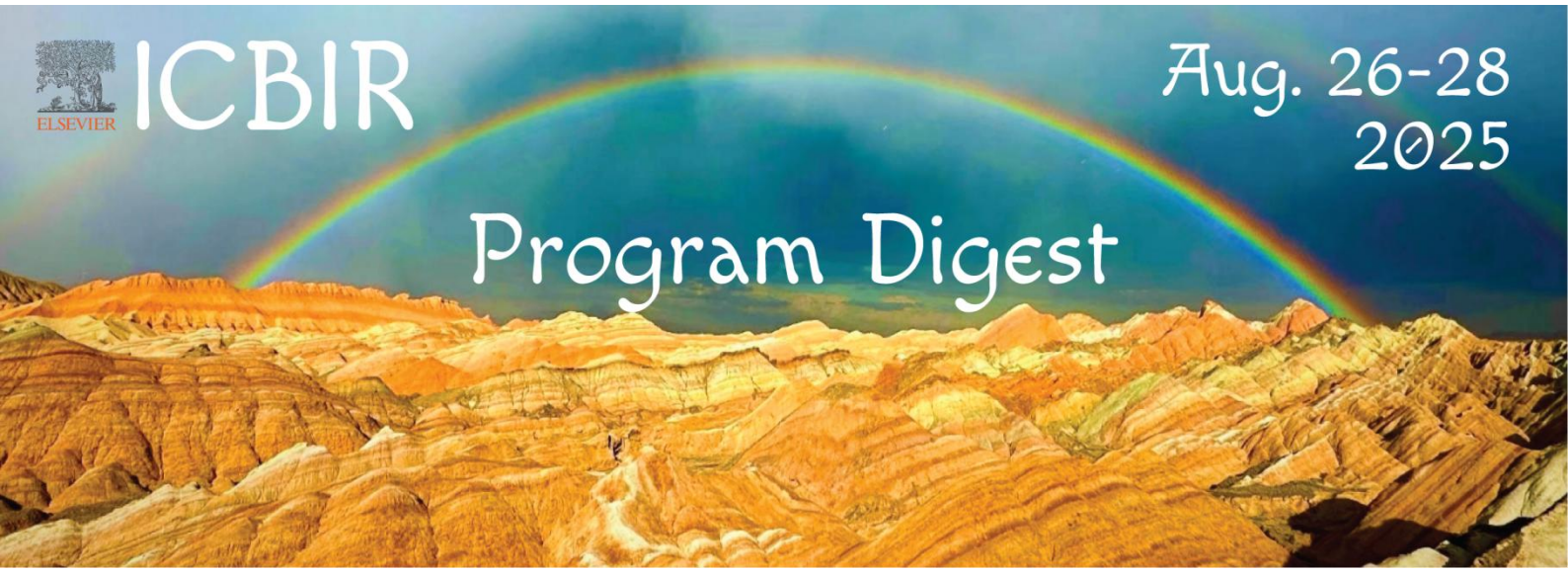
2025 International Conference on Biomimetic Intelligence and Robotics



ICBIR 2025 Program at a Glance

	Tuesday, August 26, 2025		
14:00-18:00	Registration (Look for location information in the hotel lobby)		
	Tuesday, August 26, 2025		
Time \ Room	Room 1, Third Floor	Room 2, Third Floor	Room 3, Third Floor
14:00-15:40	Award Session TA-Rm1	Invited Talk Session TA-Rm2	BIROB Forum Session TA-Rm3
15:40-16:00	Tea and Coffee Break & Poster		
16:00-18:00	Award & Regular Session TB-Rm1	Invited Talk Session TB-Rm2	BIROB Forum Session TB-Rm3
18:00-20:30	Dinner		
	Wednesday, August 27, 2025		
08:30-08:40	Welcome Ceremony		
08:40-09:20	Plenary Session I LIN Jian, Southern University of Science and Technology		
09:20-09:55	Plenary Session II QIAO Jianzhong, Beihang University		
09:55-10:15	Tea and Coffee Break & Poster		
10:15-10:50	Plenary Session III FENG Enbo, East China University of Science and Technology		
10:50-11:25	Plenary Session IV XU Chenjie, City University of Hong Kong		
11:25-12:00	Plenary Session V MIN Zhe, Shandong University		
12:00-14:00	Lunch at restaurant		
Time \ Room	Room 1, Third Floor	Room 2, Third Floor	Room 3, Third Floor
14:00-15:40	Regular Session WA-Rm1	Regular Session WA-Rm2	BIROB Forum Session WA-Rm3
15:40-16:00	Tea and Coffee Break & Poster		
16:00-18:00	Regular Session WB-Rm1	Regular Session WB-Rm2	BIROB Editorial Board Meeting WB-Rm3
18:00-20:30	Banquet		

Welcome

On behalf of the Organizing Committee, we would like to extend a warm welcome to you all to Zhangye, Gansu, China for the 2025 Elsevier International Conference on Biomimetic Intelligence and Robotics (ICBIR). ICBIR is an affiliated event of the Elsevier Journal of Biomimetic Intelligence and Robotics and ICBIR 2025 marks the 4th event of the ICBIR conference series. We are pleased to welcome you to this year's event in the beautiful city of Zhangye, Gansu, China as a forum for facilitating timely and productive academic and scientific exchanges among interested parties in AI, robotics, biomimetics, intelligent medicine and related areas.

We are very honored to have invited Prof. GUO Lei of Beihang University, Prof. LIN Jian of Southern University of Science and Technology, Prof. FENG Enbo of East China University of Science and Technology, Prof. XU Chenjie of City University of Hong Kong, and Prof. MIN Zhe of Shandong University to deliver five plenary and keynote speeches. ICBIR 2025 strives to offer all participants a great experience with excellent technical and social programs.

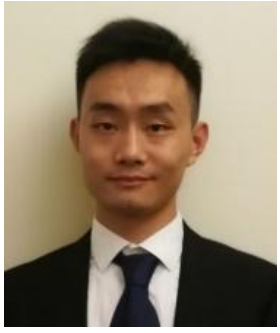
We wish to express our gratitude to those who have contributed to the organization of this conference. Special thanks are extended to our colleagues in the International Program Committee for their thorough paper review work. We also extend our thanks to Organizing Committee members and especially the volunteers who have dedicated their time to ensure the success of this conference. Finally, we thank all the participants for their participation in making this conference a great success.

We encourage you to stay beyond the conference to appreciate the beauty of Zhangye and Gansu. We wish you an enjoyable stay during the conference in Zhangye.

REN Hongliang
General Chair

SONG Rui
General Chair

CHI Wenzheng
Program Chair



WANG Chaoqun
Program Chair

特邀大会报告

Plenary Talks

Plenary Talks

International Advances in AI-Enabled Global Ocean and Deep Sea Exploration

Professor Jian LIN

Professor Jian Lin is an internationally renowned geophysicist, a member of Academia Europaea and European Academy of Sciences. He is the Director of Advanced Institute for Ocean Research, Southern University of Science and Technology, and leads the construction of Shenzhen Ocean University. He has made seminal contributions to global ocean sciences and earthquake research. Prof. Lin was a Chair of the InterRidge International Science Program, Senior Scientist at the Woods Hole Oceanographic Institution (WHOI), and a faculty member of the Massachusetts Institute of Technology - WHOI Joint Program in Oceanography. He was elected a fellow of American Geophysical Union, Geological Society of America, American Association for the Advancement of Science, and Henry Bigelow Chair Award for Excellence in Oceanography. Prof. Lin is a recipient of the 2024 Axford Medal Award by the Asia Oceania Geosciences Society. His research was recognized as the Top Ten Advances in Ocean Science and Technology (2019), First Prize of Natural Science Award of Guangdong Province (2020), Grand Prize of Ocean Science and Technology Award (2021), and Top Ten Advances in China for Oceanology and Limnology (2023). He has published close to 300 papers in high-impact international journals including Nature and Science; one of his earthquake research papers was ranked by the Institute of Scientific Information as the most-cited paper in a decade.

Bionic Intelligent Navigation and Control Technology for Unmanned Systems

Professor Jianzhong QIAO

Professor Jianzhong Qiao, from the School of Automation Science and Electrical Engineering at Beihang University, is a recipient of the National Science Fund for Distinguished Young Scholars (Category A). His research has long focused on the navigation, guidance, and control of aerospace vehicles. He serves as an expert on several national committees, including the Science and Technology Commission of the Central Military Commission, and the Ministry of Science and Technology' s major national project on "On-Orbit Service". He has led more than 15 major projects, such as the National Natural Science Foundation of China (NSFC) Young Scholars Program (Category A), the Excellent Young Scientists Fund (YouQing), the NSFC Key Program, and advanced research programs for the Rocket Force, Air Force, and Army, as well as key basic enhancement projects supported by the Science and Technology Commission of the Central Military Commission. His research achievements have been applied to the development and testing of multiple

aerospace vehicle models in leading national institutes. He has published over 50 SCI-indexed papers, holds more than 50 authorized national invention patents, and spearheaded the formulation of two team/defense standards. His outstanding contributions have earned him numerous prestigious awards, including the First Prize of the Ministry of Education Technological Invention Award (2022), the First Prize of the China Instrument and Control Society Technological Invention Award (2020), the First Prize of the China Inertial Technology Society Technological Invention Award (2025), and the Innovation First Prize of the China Invention Association Invention and Entrepreneurship Award (2025).

Experimental Research and Industrial Significance of the Spatiotemporal Granularity Formation Mechanism of Human Memory

Professor Enbo FENG

Professor Enbo Feng is the Deputy Director of National Center of Technology Innovation for Smart Process Manufacturing and a Chair Professor at East China University of Science and Technology (ECUST). He received his Ph.D. from ECUST in 1991 and subsequently conducted postdoctoral research at Tsinghua University, the National University of Singapore, and the University of Alberta, Canada. He has previously held positions as Principal Engineer of Advanced Process Control and Optimization at Shell plc and Head of the Advanced Control and Optimization Department at a Petro-Canada.
Control and Optimization Department at a Petro-Canada.

Development of Microneedle Devices with Anisotropic Porous Structure for Biomedical Application

Professor Chenjie XU

Professor Xu focuses on the development of microneedle-based biomedical devices for transdermal drug and cell delivery, with applications in disease diagnosis and treatment. His innovative work explores the use of anisotropic porous microstructures, conductive microneedles, and cryomicroneedles to enhance the efficacy and precision of therapeutic delivery. His research findings have been published in leading journals such as Nature Biomedical Engineering, Nature Reviews Bioengineering, Matter, Science Advances, Nature Communications, Biomaterials, and ACS Nano. Prof. Xu has received numerous prestigious awards, including the National Science Fund for Distinguished Young Scholars (2024) and recognition as one of Stanford's top 2% most highly cited scientists for multiple years (2024, 2023, 2022, 2011).

Key Technologies for Intelligent Autonomous Surgical Robots: Starting from Registration Application

Professor Zhe MIN

Professor Min is a Professor and Ph.D. supervisor at Shandong University, recognized as a National High-Level Young Talent and a Distinguished Mid-to-Young Scholar (First Tier) at Shandong University. He is also an Honorary Lecturer at University College London. He received his Bachelor’s degree in 2014 from the School of Control Science and Engineering at Shandong University and earned his Ph.D. in Electronic Engineering from The Chinese University of Hong Kong in 2019 under the supervision of Prof. Qinghu Meng, Fellow of the Canadian Academy of Engineering. From 2019 to 2023, he conducted postdoctoral research at The Chinese University of Hong Kong and University College London. Prof. Min’s research focuses on medical robotics and artificial intelligence, with over 80 publications. He currently leads projects including the National Overseas Young Talent Program and the National Natural Science Foundation of China (NSFC) Young Scientists Fund. He serves as a review expert for NSFC, Associate Editor for IEEE Transactions on Automation Science and Engineering (TASE) and IEEE Robotics and Automation Letters (RAL), Academic Editor for Biomimetic Intelligence and Robotics, and Young Associate Editor for Robot, SmartBot, and Robot Learning journals.


Program in August 26

August 26 Award Session TA-Rm1

7 min presentation, 3 min Q and A; Chairs: Shilong Yao and Guankun Wang

No. 33, 14:00-14:10 **Wavelet-guided Multi-scale Semantic Fusion for Gastrointestinal Lesion Detection**
No. 44, 14:10-14:20 **CNN-Transformer Based Temporal-Spatial Fusion Network for EEG-fNIRS Hybrid Decoding**
No. 50, 14:20-14:30 **Real-Time Robotic Grasp Stability Detection via DynConv-MIL: A Lightweight Deep Learning Approach**
No. 64, 14:30-14:40 **LiteDHAZE: An Adversarial Dehazing Network for Robust Robotic Perception in Challenging Visual Conditions**
No. 74, 14:40-14:50 **DINOv2-Enhanced Surgical Instrument Segmentation with Lightweight CNN**
No. 80, 14:50-15:00 **Design, Modeling and Experimental Investigation for a Helix-based Cable-Driven Soft Continuum Robot**
No. 91, 15:00-15:10 **A Soft, High-frequency Oscillator for Autonomous Movement of a Soft Robot**
No. 100, 15:10-15:20 **A Binocular Vision-based Method for Real-time 3D Localization of Surgical Instrument End-Effectors**
No. 115, 15:20-15:30 **Quantitative Monitoring of Gap and Tension Balance in Total Knee Arthroplasty Using a China-Developed Surgical Robot: A Prospective and Comparative Study**
No. 128, 15:30-15:40 **A Self-healing Stretchable Hydrogel Sensor for Hand Movement Disorder Monitoring**

August 26 Award & Regular Session TB-Rm1

7 min presentation, 3 min Q and A; Chairs: Tangyou Liu and Min Wang

No. 72, 16:00-16:10 **Speeding Up Tracked Mobile Soft Robots by Multiple Origami Actuators**
No. 82, 16:10-16:20 **Robotic-Assisted Endoscopic OCT for Rapid, Non-Destructive Inspection of Turbine Film-Cooling Holes: A Proof-of-Concept Study**
No. 83, 16:20-16:30 **MPC-SCBF: Model Predictive Control with Social Zone-Driven Control Barrier Function for Socially-Aware Following Robots**
No. 84, 16:30-16:40 **Design of A Rigid-Flexible Coupling Human-like Dexterous Finger**
No. 130, 16:40-16:50 **Unlocking Mixed Reality for Medical Education: A See-Through Perspective on Head Anatomy**
No. 2, 16:50-17:00 **Real-time Scene Reconstruction and Human Detection Fusing 3D LiDAR and Infrared for Rescue Robots**
No. 25, 17:00-17:10 **Research on Flexible Object Grasping Method Based on Visual Enhancement and Multi-Stage Collaboration**
No. 29, 17:10-17:20 **PS-LIPM and G-ALIP: Novel Models for Robust Bipedal Locomotion on Discrete Uneven Terrains**
No. 30, 17:20-17:30 **Motion Control of Wheeled-Legged Quadrupeds on Complex Terrains via Integrated Latent Encoding**
No. 31, 17:30-17:40 **Bridging Exploration and Safety: A Distilled NP3O Framework for Constrained Reinforcement Learning in Legged Robots**
No. 34, 17:40-17:50 **Neural Network-Based Adaptive Control in Task-Space for Dual-Arm Space Manipulators**
No. 35, 17:50-18:00 **Design and Analysis of a Flapping-Wing Aircraft with Multi-Degree-of-Freedom Deformable Tail and Wing**

August 26 Invited Talk Session TA-Rm2

Chairs: Huxin Gao and Shijian Su

14:00-14:20 | Yutong Ban (Shanghai Jiao Tong University) **Video Understanding for Intelligent Surgical Robotics**
14:20-14:40 | Yi Zhang (University of Electronic Science and Technology of China) **Multimodal Magnetically Driven Deformable Microrobots via 3D Printing**
14:40-15:00 | Ning Tan (Sun Yat-sen University) **Universal Control of Flexible Continuum Robots**
15:00-15:20 | Changsheng Li (Beijing Institute of Technology) **Advanced Technologies for Robot-Assisted Surgeries in Narrow Cavities of the Human Body**
15:20-15:40 | Tianliang Li (Wuhan University of Technology) **Catheter Surgical Robot with Optical Fiber Distal Force Sensing**

August 26 Invited Talk Session TB-Rm2

Chairs: Jiewen Lai and Zhe Min

16:00-16:20 | Zhuang Zhang (Fudan University) **Origami-Based Structures for Multimodal Soft Actuation and High-Fidelity Haptics**
16:20-16:40 | Huxin Gao (The Chinese University of Hong Kong) **Development of A Robotic System for Gastrointestinal Endoscopic Surgery**
16:40-17:00 | Murong Li (Beihang University) **A Novel Full-prediction Model of Needle-tissue Coupled Deformation and Its Applications in Needle Path Planning**
17:00-17:20 | Te Li (Zhejiang University) **Research Status and Challenges in High-Quality Embodied Intelligence Datasets**
17:20-17:40 | Hongqiang Wang (Southern University of Science and Technology) **Stronger, Smaller, and More Reliable Electrostatic Film Actuators and Robots**
17:40-18:00 | Zhao Guo (Wuhan Universirty) **Design and Control of Lower Limb Rehabilitation Exoskeleton Robots for Patients with Hemiplegia**

August 26 BIROB Forum Session TA-Rm3

Chairs: Lin Wang and Fengkui Cao

14:00-14:10 | Xingang Zhao (Shenyang Institute of Automation, CAS) **Exoskeletal Assistive Technology for Rehabilitation**
14:10-14:20 | Gang Chen (Zhejiang Sci-Tech University) **New Type of Underwater Bionic Robot and Its Motion Control**
14:20-14:30 | Xinmeng Ma (Hebei University of Technology) **Only Three Key Parameters Allow the FWMAV to Achieves and Even Surpasses All High Maneuverability Like a Butterfly**
14:30-14:40 | Yang Yang (The Chinese University of Hong Kong) **Regraftable Submillimeter Magnetic Continuums**
14:40-14:50 | Zebing Mao (Zhejiang university) **Fine-tuned Multimodal Large Language Model for Autonomous State Cognition System of Shape-recognition 6-bar Tensegrity Integrated with Flexible Sensors**
14:50-15:00 | Nan Ma (Northwestern Polytechnical University) **Continuum Robot for In-site Inspection and Maintenance of High-value Equipment**
15:00-15:10 | Liang Gao (Harbin Institute of Technology) **Adaptive Landing Control and Analysis for Flying Quadrupedal Robots on Irregular Terrain**
15:10-15:20 | Wujing Cao (Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences) **Key Technologies and Applications of Lower Limb Exoskeletons**
15:20-15:30 | Laihao Yang (Xi'an Jiaotong University) **Mini-Invasive Maintenance Continuum Robots for Aero-Engines**

August 26 BIROB Forum Session TB-Rm3

Chairs: Kun Yang and Shuwei Shao

16:00-16:10 | Houde Dai (Fujian Institute of Research on the Structure of Matter, CAS) **Whole-body Motion Tracking Based on Wireless Electromagnetic Tracking and Capacitive Plantar Pressure Distribution Measurement**
16:10-16:20 | Shijian Su (Huaqiao University) **A Wearable, Reconfigurable, and Modular Magnetic Tracking System for Wireless Capsule Robots**
16:20-16:30 | Yuhan Chen (Dalian University of Technology) **Direct Visual Servoing Based on Discrete Orthogonal Moments**
16:30-16:40 | Yapeng Shi (Harbin Institute of Technology) **Humanoid Robot Embodied Intelligence Theory and Application**
16:40-16:50 | Wei Meng (Wuhan University of Technology) **Flexible Rehabilitation Robots Integrating Wearable Fiber-optic Sensing**
16:50-17:00 | Kai Wu (South China University of Technology) **Challenges in Smart Robotic Manufacturing System**
17:00-17:10 | Ziwei Wang (Lancaster University) **Integrating Gaze-Based Control and Haptic Teleoperation for Enhanced Human-Robot Collaboration in Diverse Environments**
17:10-17:20 | BIRob Journal Paper **Learning-based Locomotion Control Fusing Multimodal Perception for a Bipedal Humanoid Robot**
17:20-17:30 | BIRob Journal Paper **Bioinspiration Review of Aquatic Unmanned Aerial Vehicle (AquaUAV)**


Program in August 27

August 27 Regular Session WA-Rm1

7 min presentation, 3 min Q and A; Chairs: Yang Yang and Zhiwei Fang

No. 37, 14:00-14:10 **Fusion of Reinforcement Learning and Simplified MPC for Path Tracking in Autonomous Vehicles**
No. 38, 14:10-14:20 **Knowledge Distillation-Based Lightweight Image Compression Method**
No. 39, 14:20-14:30 **End-to-End Decoding of Motion Intention from fNIRS Signals Using Deep Learning Framework**
No. 41, 14:30-14:40 **Conformable Vision-Based Tactile Sensor with Enhanced Soft Elastomer Design for Palpating Irregular Anatomical Surfaces**
No. 43, 14:40-14:50 **Design and Experimental of a Bio-inspired Tendon-driven Space Manipulator**
No. 47, 14:50-15:00 **Single-fiber Forward-viewing A-scan Optical Coherence Tomography Allows Robot-assisted Blood Vessel Detection and Hemodynamic Monitoring in Complex Luminal Anatomies: A Phantom Study**
No. 49, 15:00-15:10 **Research on Obstacle Avoidance Motion Planning of Robotic Arm Based on RG-DQN**
No. 53, 15:10-15:20 **Class Attention-aware Knowledge Distillation for Pathological Score Prediction in Endocytoscopy Images**
No. 54, 15:20-15:30 **Kangaroo Combat-Inspired Magnetic Soft Robot with Tail Support for Multi-Modal Locomotion**
No. 55, 15:30-15:40 **PKB-POMDP: Prior Knowledge Based POMDP Deep Reinforcement Learning Method**

August 27 Regular Session WB-Rm1

7 min presentation, 3 min Q and A; Chairs: Long Bai and Yanan Wu

No. 56, 16:00-16:10 **Pre-contact Configuration Optimization for Space Dual-arm Capture Considering Contact and Collision Effects**
No. 57, 16:10-16:20 **Development of SMA-Driven Origami Actuator with Large Deformation and High Foldability**
No. 58, 16:20-16:30 **Die-based Rapid Bending Robotic System for Orthodontic Archwires**
No. 60, 16:30-16:40 **Magnetically Actuated Coscinodiscus Radiatus-based Microrobots with Concurrent High Mechanical Strength and Excellent Biodegradable Properties**
No. 61, 16:40-16:50 **Global-Local Interplay with Transformer and GCN for 3D Human Pose Estimation**
No. 62, 16:50-17:00 **Research on Reset Compensation Mechanism Based on SMA Soft Actuator**
No. 63, 17:00-17:10 **Gesture-to-Robot Mapping in a Mixed Reality System for Safe Bronchoscopic Teleoperation**
No. 68, 17:10-17:20 **How Many Tags and Which Material? Assessing Minimal Tag Impact and Material Effects on the Performance of Origami Fiducial Force-Torque Sensors**
No. 69, 17:20-17:30 **Intelligent Planning Method for Femoral Tunnel Placement in Anterior Cruciate Ligament Reconstruction Surgery**
No. 71, 17:30-17:40 **A Respiratory Motion Compensation Method for Robotic-Assisted Laminectomy**
No. 76, 17:40-17:50 **High-Altitude Challenges: Desirable Efficacy of A China-Developed Surgical Robot in Total Knee Arthroplasty at the Roof of the World**
No. 78, 17:50-18:00 **Kinematic Synthesis of Flexible Manipulator for Spinal Endoscopic Surgery via Bayesian Optimization with Multi-Physical Constraints**

August 27 Regular Session WA-Rm2

7 min presentation, 3 min Q and A; Chairs: Wenchao Yue and Tinghua Zhang

No. 87, 14:00-14:10 **CMR Image Myocardial Lesion Segmentation**
No. 88, 14:10-14:20 **Kinematic Modeling of A Pneumatic Tubular Bending Actuator for Robotic Navigation in Narrow Luminal Organs**
No. 90, 14:20-14:30 **A Prosthetic Wrist Proprioceptive Feedback Closed Loop System based on Electrotactile Substitution For Transradial Amputees**
No. 94, 14:30-14:40 **Over-constraint Reduction Method for the One-DOF Deployable Trusses Based on the Modules with Boundary Determinability**
No. 95, 14:40-14:50 **Dynamic Obstacle Avoidance Planning for Large-wingspan Flapping-wing Aircraft Along a Straight Path Under Periodic Equivalent Attitude Control**
No. 96, 14:50-15:00 **TSSG: A Two-Stage Segmentation and Grasping Model for Enhancing Grasping Precision**
No. 99, 15:00-15:10 **Surgical Action Collaboration Through Multimodal Large Language Model-Driven Surgical Tool Dialogue in Robotic Assisted Surgery**
No. 101, 15:10-15:20 **Efficient Multi-Agent Reinforcement Learning for Dexterous Manipulation: A Hierarchical Framework with Opponent Modeling**
No. 105, 15:20-15:30 **EndoSMAP: A Semi-automatic Multimodal Annotation Software for Endoscopic Point Tracking**
No. 106, 15:30-15:40 **A Multi-Stage Reward-Guided Learning Method for Complex Motions of Humanoid Robots**

August 27 Regular Session WB-Rm2

7 min presentation, 3 min Q and A; Chairs: Sishen Yuan and Xiaofeng Deng

No. 108, 16:00-16:10 **Exploiting Differential Optical Absorption for Automated High-Precision Spatial Calibration in Robotic Photoacoustic Imaging**
No. 109, 16:10-16:20 **An Avian-inspired Mechanism for UAVs Perching and Grasping**
No. 111, 16:20-16:30 **Socially Adaptive Navigation via Recursive Generative Knowledge Learning and Transfer**
No. 112, 16:30-16:40 **Delay-aware Teleoperative Training System For Transcontinental Robot-assisted Minimally Invasive Trajectory Following**
No. 114, 16:40-16:50 **Design and Characteristics of Motion Scaling Manipulator for Enhanced Microsurgical Applications**
No. 119, 16:50-17:00 **Weakly-Supervised 2D-3D Cardiac Ultrasound Registration with ROI Segmentation and Test-Time Optimisation**
No. 126, 17:00-17:10 **A Novel Model for Outdoor Abnormal Gait Recognition Based on Multi-View Kinect Data and Graph Convolution**
No. 129, 17:10-17:20 **Multi-National Validation of 5G-Enhanced Teleoperation with AR Interface and LSTM Prediction for Flexible Robotic Endoscopy with Sub-500ms Latency**
No. 132, 17:20-17:30 **Multiscale Structured PS Nonwoven Materials via Solution Blow Spinning for Intelligent Robotic Air Filtration Systems**
No. 133, 17:30-17:40 **Bioinspired Soft Strain Sensors Based on Screen-Printed TPU Nonwovens for Wearable Robotics**
No. 102, 17:40-17:50 **Augmented Reality Navigation with Optical Coherence Tomography in Robotic Neurosurgery**
No. 89, 17:50-18:00 **Physics-Informed Neural Networks for Quasi-Static Tip Position Control of Magnetic Soft Robots**

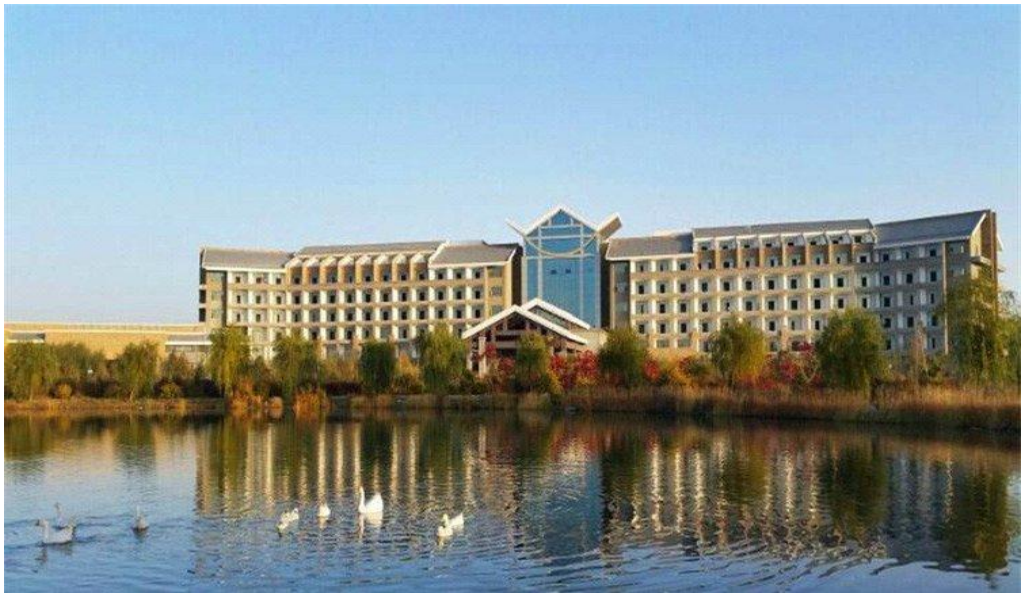
August 27 BIROB Forum Session WA-Rm3

Chairs: Weinan Chen and Tianliang Li

14:00-14:10 | Sishen Yuan (The Chinese University of Hong Kong) **Endoscopic Therapy in Narrow, Tortuous Luminal Tracts: Techniques and Strategies**
14:10-14:20 | Long Bai (Alibaba DAMO Academy) / Jiewen Lai (CUHK) **Intelligent Perception Enhancement and Multimodal Interaction in Computer-Assisted Intervention**
14:20-14:30 | Yong Zhong (South China University of Technology) **Underwater Bionic Propulsion Mechanism and Robot Systems**
14:30-14:40 | Ying Zhang (Yanshan University) **Large-scale Models-driven Service Robot Skill Learning**
14:40-14:50 | Sheng Xu (Shenzhen Institutes of Advanced technology, CAS) **Optimal Sensor Placement for Target Localization in Robotic Systems: Models, Technologies, Implementations and Challenges**
14:50-15:00 | Dingkun Liang (Zhejiang University of Technology) **Embodied Perception, Planning, and Control for Humanoid Robots**
15:00-15:10 | Min Wang (Central South University) **Magnetically Inner Actuated Millirobot with High Impulse Force for Heavy Cargo Delivery**
15:10-15:20 | Lihang Feng (Nanjing Tech University) **Design and Implementation of a Planetary Robotic Wheel-on-Limb system for Wheel-Terrain Interactions**
15:20-15:30 | Tangyou Liu (The Chinese University of Hong Kong) **Miniature Distal Force Sensing and Control for Safe and Autonomous MIS**

会议酒店介绍

张掖宾馆是西北乃至全国占地规模较大的一家集住宿、餐饮、商务、度假、会展、娱乐、健身等功能于一体，融汇现代建筑艺术、专业服务手段、丝路文化元素，坐拥湖光山色、绿地草坪、飞瀑珍禽的山水园林式酒店。张掖宾馆坐落于张掖滨河新区水源涵养区北湖北岸，紧邻张掖滨河新区中央商务区,距连霍高速公路张掖下线口和兰新高铁张掖站约10分钟车程，距兰新铁路张掖站约20分钟车程，距张掖机场约30分钟车程。是张掖市委、市政府决定拆除老城区张掖宾馆建设大佛寺文化广场,由张掖城投集团在张掖滨河新区规划建设的一家山水园林式酒店。



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