



Automation, Visualization and Interaction in Medical Robotics

Organized by: Xuefeng Wang

Program

Date: July 8, 2019

Venue: Conference Hall 04, Level 2, Building 10W, Phase 2

Schedule:

- Time: 9:30 – 10:00, Dr. Shing Shin Cheng, The Chinese University of Hong Kong
o Title: MRI-compatible Neurosurgical Robot: Flexible Robot Design and Actuation
- Time: 10:00 – 10:30, Dr. Jing Jin Shen, Nanjing University of Posts and Telecommunications
o Title: A soft tactile sensor for measuring tissue elasticity in minimally invasive surgery
- Time: 10:30 – 11:00, Coffee break
- Time: 11:00 – 11:30, Dr. Jingjing Luo, Fudan University
o Title: A Robot-based System for Health Examination using Traditional Chinese Medicine Standardization Techniques
- Time: 11:30 – 12:00, Dr. Mei Feng, Jilin University
o Title: Snake-like surgical forceps for robot-assisted minimally invasive surgery
- Time: 12:00 – 13:30, Lunch
- Time: 13:30 – 14:00, Dr. Yu Gan, The University of Alabama
o Title: Artificial intelligence in cardiac optical coherence tomography processing
- Time: 14:00 – 14:30, Dr. Yuye Ling, Shanghai Jiao Tong University
o Title: Towards in situ OCT imaging of mucociliary clearance in human airway
- Time: 14:30 – 15:00, Coffee break
- Time: 15:00 - 15:30, Dr. Enhao Zheng, Chinese Academy of Sciences
o Title: Human-machine interface based on muscle morphological information
- Time: 15:30 – 16:00, Dr. Xuefeng Wang, The University of Alabama
o Title: Towards the development of a voice-controlled exoskeleton system for restoring hand function
- Time: 16:00 – 17:00, Open talk
- Time: 17:00, End