Open Robotics Research Positions

Research positions are available in the Biomechatronics and Intelligent Robotics Lab of the Mechanical Engineering Department at the City College of New York. The students will work with Prof. Hao Su to develop soft wearable robots and surgical robots. Some of the projects include: soft actuators, soft sensors, wearable sensors, soft exoskeletons to help stroke and spinal cord injury patients, robots for minimally invasive surgery, and etc. You will have the opportunity to work with surgeons and physical therapists from Harvard University, Cornell University, and other top ten hospitals in US. Contact Prof. Hao Su haosu.ieee@gmail.com if you have any questions.

Details of CCNY’s doctoral program in mechanical engineering are provided in https://www.ccny.cuny.edu/sites/default/files/mecheng/upload/ME_CCNY_DoctoralEducationA.pdf

Formal admissions requirements for the CCNY PhD program can be found in http://www1.ccny.cuny.edu/prospective/admissions/grad/index.cfm

Graduate Student Researchers
PhD students can be admitted in 2017 Fall, 2018 Spring and Fall. PhD students will receive tuition waiver and stipend support. Applicants are expected to have background in at least one of these areas: mechanical design, electric motor control, embedded systems, computer vision, and artificial intelligence. Undergraduate or Master’s students with strong skills will be considered with financial support.

Undergraduate and Internship Research Opportunities
We welcome undergraduates who are interested in gaining research experience in the areas of robotics, including but not limited to mechanical design, embedded system, controls, design of sensors and actuators. Students looking for internship are also welcome.

About Prof. Hao Su
Dr. Su is the Assistant Professor at the mechanical engineering department of City University of New York. He was a postdoctoral research fellow at Harvard University and the Wyss Institute for Biologically Inspired Engineering. Prior to this role, he was a Research Scientist at Philips Research North America. He obtained the Ph.D. degree from the Worcester Polytechnic Institute. Dr. Su received the Best Medical Robotics Paper Runner-up Award in the IEEE International Conference on Robotics and Automation (ICRA). He received the Advanced Simulation & Training Award from the Link Foundation and Dr. Richard Schlesinger Award from the American Society for Quality. He holds 8 patents on surgical robotics and socially assistive robots. Dr. Su is the Junior Chair of the Technical Committee on Mechanisms and Design of the IEEE Robotics and Automation Society. He is the Associate Editor of the Journal: Frontiers in Robotics and AI. He is the Associate Editor of the IEEE International Conference on Robotics and Automation and the BioRobotics theme editor of the IEEE Engineering in Medicine and Biology Society (EMBC). He is a member of the Exoskeleton Standardization Task Force.