Zihan Chen

Personal Data

Position   Ph.D. Student / Research Assistant
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Education

Sep 2012 -	Johns Hopkins University
	Ph.D. Candidate Computer Science (Medical Robotics)
Sep 2010 - June 2012	Johns Hopkins University
	M.S.E. Mechanical Engineering (Robotics)
Sep 2006 - May 2010	Zhejiang University
	B.E. Control Science and Engineering
	B.A. English Language and Literature

Work Experience

2012.06 -	Research Assistant, LCSR, Johns Hopkins University
2016.06-2016.08	System Analysis Intern, Intuitive Surgical, Inc.
2015.06 - 2015.09	System Analysis Intern, Intuitive Surgical, Inc.
2015.02 - 2015.05	Teaching Assistant, Johns Hopkins University 600.436 Algorithms for Sensor-Based Robotics
2014.02 - 2014.05	Teaching Assistant, Johns Hopkins University 530.707 Robot Systems Programming
2011.05 - 2011.07	Research Assistant, LCSR, Johns Hopkins University

Teaching Experience

2015 Spring   Teaching Assistant, Algorithms for Sensor-Based Robotics

2014 Spring   Teaching Assistant, Robot System Programming (With ROS)

Awards and Group Memberships
N/A

Publications
Google Scholar Link: https://scholar.google.com/citations?user=qxOppVkAAAAJ

Zihan Chen, et al. "An open-source hardware and software platform for telesurgical robotics research." *MICCAI Workshop on Systems and Arch. for Computer Assisted Interventions, Midas Journal: http://hdl. handle. net/10380/3419*. 2013.

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Zihan Chen, and Peter Kazanzides. "Multi-Kilohertz Control of Multiple Robots via IEEE-1394 (Firewire)." *Technologies for Practical Robot Applications (TePRA), 2014 IEEE International Conference* on. IEEE, 2014.

Long Qian, **Zihan Chen** and Peter Kazanzides, "An Ethernet to FireWire Bridge for Real-Time Control of the da Vinci Research Kit (dVRK)" , 2015 *International Conference on Emerging Technology & Factory Automation.* IEEE, 2015.

Steve Vozar, **Zihan Chen**, Peter Kazanzides and Louis L. Whitcomb. "Preliminary Study of Virtual Nonholonomic Constraints for Time-Delayed Teleoperation." *Intelligent Robots and Systems (IROS), 2015 IEEE/RSJ International Conference on*. IEEE, 2015.

Peter Kazanzides, Anton Deguet, Balazs Vacvolgyi, **Zihan Chen**, and Russell H. Taylor. "Modular Interoperability in Surgical Robotics Software." Mechanical Engineering 137, no. 9

Long Wang, **Zihan Chen**, P Chalasani, Jason Pile, Peter Kazanzides, Russell H. Taylor and Nabil Simaan. "Updating Virtual Fixtures From Exploration Data in Force-controlled Model-based Telemanipulation." *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (ASME IDETC)*, 2016

Zihan Chen, Anand Malpani, Preetham Chalasani, Anton Deguet, S. Swaroop Vedula, Peter Kazanzides and Russell H. Taylor. "Virtual Fixture Assistance for Needle Passing and Knot Tying." *Intelligent Robots and Systems (IROS), 2016 IEEE/RSJ International Conference on*. IEEE, 2016.