

Poster Session

10:00-10:20

Dual-Function FBG–Metallic Tube Sensing-Actuation for Parallel Continuum Robots with Real-Time Traction Force Estimation - *Tao Zhang, Youfeng Zhou, Jiewen Lai, Huxin Gao, Hongliang Ren*

Kinematic Modeling and Telemanipulation of a Hybrid-Continuum Needlescopic Surgical Robot - *Aabhas Jain, Ethan R. Wilke, Alejandro O. Chara, S. Duke Herrell III, Irving J. Zamora, Harold N. Lovvorn, Robert J. Webster III*

TriSaFe-Trans: A Safety-Aware Multimodal Intent Recognition Pipeline for Assistive Robotics - *Tipu Sultan, Kody Cool, Guangping Liu, Gajapriya Tamilselvan, Madi Babaiasl*

Exploring Linear and Nonlinear Mappings in Touchpad-Based Hand-Held Robot Control - *Jessie Chiella, Sara Purdue, Susheela Sharma Stern, Robert J. Webster III*

ReSNA: A Robotic-Enabled Surgical Navigation Assistant for Breast-Conserving Surgery - *Zixuan Liu, Bowen Xiang, Jon Heiselman, Jie Ying Wu, Ingrid M. Meszoely, Michael I. Miga*

Design and Development of a Teleoperation Framework for a Robotic Laser Surgery Platform - *Ravi Prakash, Vincent Wang, Karan Gupta, Muskaan Toshniwal, Shmily Qian, Yongjun Lu, Ariella Rukhlin, Olivia Liu, Ryan McNabb, Patrick Codd, Leila Bridgeman*

Comparing Active and Passive Gaze During Robot-Assisted Surgery Simulation - *Yizhou Li, Shuyuan Yang, Zonghe Chua*

Interactive Modular Rehabilitation for Upper-Extremity Stroke Recovery - *Avery Janenda, Tomi Kuye, Brian Mercado, Amelia Pillar, Mina Schepmann, Hannah Wixom*

SOAR: An Autonomous First Responder for Pediatric Firearm Emergencies - *Mira Jayant*