

## Surgical Robotics I

**Date / Time** Aug. 23 (Tue.), 2022 / 10:00-11:00

**Room** Room 517

**Session Chair** TBA

[TuO1A.2]

10:00-10:15

### HDR Brachytherapy Planning using Active Needles – Reliminary Investigation on Dose Planning

Mahsa Rabiei, Seong Young Ko, Tarun K. Podder, John Lederer, and Bardia Konh

[TuO1A.3]

10:15-10:30

### Experimental Evaluation using Head Motion and Augmented Reality to Intuitively Control a Flexible Endoscope

Yoeko X. Mak, Maurits Zegel, Momen Abayazid, Massimo A. Mariani, and Stefano Stramigioli

[TuO1A.4]

10:30-10:45

### Preliminary Estimation of the Friction between Force-Sensing Forceps and Cornea

Yu Zheng, Yang Yang, Chuang Lin, Chen-Han Guang, Jun-Jie Zong, and Ke Ma

[TuO1A.5]

10:45-11:00

### Orientation Matters: 6-DoF Autonomous Camera Movement for Video-Based Skill Assessment in Robot-Assisted Surgery

Alaa Eldin Abdelaal, Nancy Hong, Apeksha Avinash, Divya Budihal, Maram Sakr, Gregory D. Hager, and Septimiu E. Salcudean