### Surgical Robotics II

<table>
<thead>
<tr>
<th>Date / Time</th>
<th>Aug. 23 (Tue.), 2022 / 14:00-15:45</th>
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<tr>
<td>Room</td>
<td>Room 517</td>
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<td>Session Chair</td>
<td>Sukho Park (DGIST)</td>
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#### [TuO2A.1] 14:00-14:15

**Design and Characterization of a Multiple Needle Insertion MRI-Guided Robot for Irreversible Electroporation (IRE) Treatment**

Girindra Wardhana, Yoeko X. Mak, Momen Abayazid, and Jurgen J. Fütterer

#### [TuO2A.2] 14:15-14:30

**A Kirigami-Based Magnetically Steerable Robotic Catheter for Treatment of Peripheral Artery Disease**

Tarunraj G. Mohanraj, Jaeyun Song, Mohammad R. Rajebi, Lei Zhou, and Farshid Alambeigi

#### [TuO2A.3] 14:30-14:45

**A 3-D Haptic Trackball Interface for Teleoperating Continuum Robots**

Mufeng Xie, Cédric Girerd, and Tania K. Morimoto

#### [TuO2A.4] 14:45-15:00

**Toward Correcting Anxious Movements using Haptic Cues on the Da Vinci Surgical Robot**

Yi Zheng, Marzieh Ershad, and Ann Majewicz Fey

#### [TuO2A.5] 15:00-15:15

**Simulating and Optimizing Nasopharyngeal Swab Insertion Paths for Use in Robotics**

Peter Q. Lee, John S. Zelek, and Katja Mombaur


**Evaluation of Surgical Performance after Extended Laparoscopic Training using Physical Haptic Constraints**

Noah Wright, Deborah Farr, and Ann Majewicz Fey

#### [TuO2A.7] 15:30-15:45

**Soft Control Interface for Highly Dexterous Unilateral Remote Palpation**

Leone Costi, Thilina Dulantha Lalitharatne, and Fumiya Iida