

## Bridging the Gap - Medical Robots and Mathematics

*Friday, September 13, 2019 11:40 AM (20 minutes)*

Medical Robots are gaining interest in the field of healthcare due to their manifold advantages, such as enabling minimally-invasive surgical procedures with high precision, reduced tremor, and direct feedback from various sensors to the surgeon. In this talk, I will outline several medical robots, which are commercially available or focused on in current research. Additionally, I will stress the need for mathematical modelling as an applied field of mathematics bridging the gap to modern health care systems.

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