



## Surgical Robotics Research at the IIT: Assistive Systems for Enhancing Surgical Safety, Precision and Quality

This presentation will provide an overview of current research and development activities within the Italian Institute of Technology's Biomedical Robotics Lab. All activities in this laboratory are human-centered, ultimately dedicated to the use of robots and robotic technologies to improve the health and wellbeing of people. Special focus will be given to research in the surgical robotics area, which has been dedicated to the development of assistive systems for enhancing surgical precision, safety and quality.



Work in this area includes novel devices, interfaces and supervisory systems for high-precision minimally invasive surgeries. As leaders of the European project  $\mu$ RALP, the group has developed a range of technologies for robot-assisted laser microsurgery, some of it already going through pre-clinical trials and attracting the interest of major industries.

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**November 16<sup>th</sup>, 11:00am**  
**DICAr MS1 Meeting Room**  
Via Ferrata, 3 – Pavia

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