



Professor Bradley Nelson

«I love designing machines and building systems at the micro and nano scale – it requires you to abandon your normal intuition and instead focus on vastly different physics.»

Multi-Scale Robotics Lab

Institute of Robotics and Intelligent Systems

We are a multidisciplinary and international lab focused on translating research findings into benefit for society. With our research we examine topical problems in fields as diverse as microrobotically-assisted surgery, magnetic actuation and manipulation, micro and nanofabrication, low Reynolds number locomotion, wireless delivery of power, electrostimulation of biological materials, and micro and nanostructure characterization.

Focus

- Micro and nano robotics
- Medical robotics
- Intelligent micromachines

Teaching

I want students to feel the same excitement I felt when I first learned a particular topic. I also want them to benefit from my years of experience in engineering, and get the insight you don't get from a textbook or from surfing the web.

Further details online:
www.msrl.ethz.ch

