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Intelligent Robots and Systems(IROS)

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Sponsors

Theme: Consumer Robotics and Our Future

State of the Art in Robotic Leg Prostheses: Where We Are and Where We Want to Be

Workshop website: **https://belab.mech.utah.edu/iros2020/**

Michael Goldfarb, PhD

In this talk, Dr. Michael Goldfarb discusses the development of a semi-powered knee prosthesis for individuals with above-knee amputation. This new device has been developed to address two key open challenges in the field of powered prosthetics, which are interactivity selection and intra-activity coordination. Both these open issues relate to the user's agency in interacting with the prosthesis. The latest developments and experimental results will be discussed.