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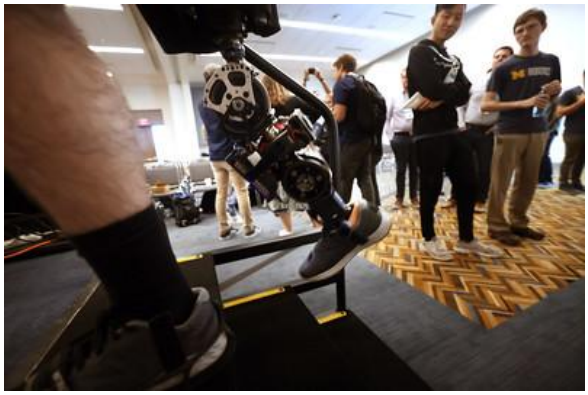
Contact: Nicole Casal Moore, ncmoore@umich.edu

Multimedia: $3M to develop more natural robotic leg control

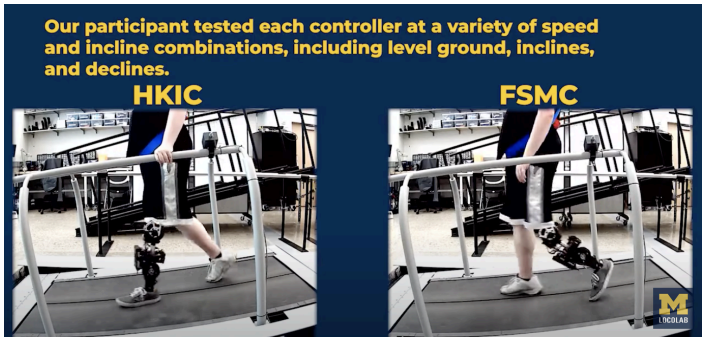
Photos

IRIS 2
Andrew Seelhoff, left, a first-year PhD student in mechanical engineering at the University of Michigan, demonstrates the robotic prosthetic designed by Robert Gregg's Locomotor Control Systems Laboratory, at IROS 2023 in October. Credit: Brenda Ahearn/Michigan Engineering

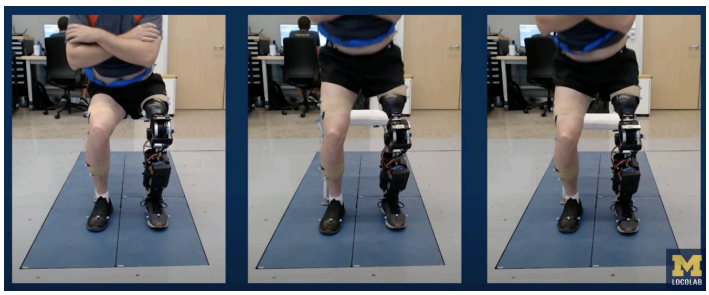


IROS 4
Andrew Seelhoff, left, a first-year PhD student in mechanical engineering at the University of Michigan, demonstrates the robotic prosthetic designed by Robert Gregg's Locomotor Control Systems Laboratory, at IROS 2023 in October. Credit: Brenda Ahearn/Michigan Engineering

Videos (Lab YouTube)



Controlling a Powered Knee-Ankle Prosthesis with Automatic Adjustments to Walking Speed and Incline



Improving sit/stand loading symmetry and timing through a powered knee-ankle prosthesis

Controlling a powered knee-ankle prosthesis over variable-incline stair ascent and descent

Controlling a Powered Knee-Ankle Prosthesis over Variable-Incline Stair Ascent and Descent

Credit: Locomotor Control Systems Laboratory, University of Michigan