

2 Lessons I Learned From Technology Translation That Enhanced Our University Research On Biomechanics And Wearable Devices (And Can For You Too)

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Karl Zelik is an Associate Professor of Mechanical Engineering at Vanderbilt University, where he co-directs the Center for Rehabilitation Engineering and Assistive Technology. He is also Co-Founder and Chief Scientific Officer of HeroWear, a workforce wearables company that makes back-relieving exosuits to support workers in logistics, manufacturing, and other physically-demanding jobs. Zelik serves on the Board of a non-profit called the American Bionics Project, which seeks to accelerate the development and adoption of revolutionary new technologies for people with lower-limb disabilities. His overarching mission is to improve health, mobility, and independence for individuals with physical disabilities and to enhance human performance and well-being through advances in movement science and assistive

ABSTRACT

Prof. Zelik will share his experiences and observations from research and development related to biomechanics, prosthetics, exoskeletons, and other wearable devices. He will discuss recent/ongoing research in his lab, emphasizing how university tech transfer and commercialization experiences have influenced his approach to academic research. He plans to leave plenty of time for questions on these topics or others that may interest the audience (e.g., entrepreneurship, science communication, social media for scientists, STEM outreach).

CLEAR Core

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East Carolina University (ECU)