

15th Dayton Engineering Sciences Symposium

Tuesday, October 29th, 2019

University of Dayton, Kennedy Union

Call for Abstracts

All Areas of Engineering and Sciences

Submission Deadline: October 4th, 2019

<http://www.asmedayton.org/DESS/DESS.htm>



Keynote Speaker Eric Schearer, Ph.D.

Talk Title: Developing Fancy Technology for
People with Disabilities: Does it Matter?

Eric M. Schearer is an Assistant Professor of Mechanical Engineering and Director of the Center for Human-Machine Systems at Cleveland State University. He received a B.S. in mechanical engineering and a M.B.A. from the University of Notre Dame, a M.S. in robotics from Carnegie Mellon University, and a Ph.D. in mechanical engineering from Northwestern University. He is a member of the Bioscientific Staff at MetroHealth Medical Center and a member of the Cleveland Functional Electrical Stimulation Center. He develops control strategies to restore reaching and grasping movements to people with paralyzed arms via functional electrical stimulation and wearable robotics. He developed a course sequence called “Disability, Empathy, and Technology” which trains engineers to work with people with disabilities. He previously worked as a consultant at Exponent, Inc., and as an officer in the United States Air Force.