The Central Pennsylvania Engineers Week Council invites you to spend a evening with your colleagues as we celebrate Engineers Week and honor several of your outstanding individuals in the engineering community.

"Biomedical, Biological or Bioengineering: What's in a Name?"

DATE: Thursday, February 25, 2021

HOSTED BY:

ENTRAL PENNSYLVANIA Engineers Week Council

TIME: 6:00 PM—Awards Presentation
6:45 PM—Speaker's Presentation

LOCATION: Virtual—Via Zoom Link to be sent closer to date.

SPEAKER: Dr. Spencer Szczesny, Ph.D, M.S., B.S.

TOPIC: **Biomedical, Biological, or Bioengineering: What's in a Name?**

- My Personal Path to Biomedical Engineering
- Applications of Engineering Principles to Biology and Medicine
- Foundations of Undergraduate Education
- Career Options - Academia, Industry and Government

RSVP: Please RSVP by February 22, 2021 at this link: https://www.eventbrite.com/e/136015549169
More details available at www.cpewc.com and on the CPEWC Facebook Page.

About the Speaker

Dr. Szczesny is an Assistant Professor at the Pennsylvania State University with a joint appointment in the Departments of Biomedical Engineering and Orthopaedics & Rehabilitation. He completed his postdoctoral training in 2017 and obtained a PhD in Bioengineering in 2015 at the University of Pennsylvania. Prior to his doctorate, Dr. Szczesny developed medical implants as a Design Engineer for Aesculap Implant Systems and as a research assistant at the Helmholtz Institute for Biomedical Technology in Aachen, Germany. He obtained a MS in Mechanical Engineering at the Massachusetts Institute of Technology in 2005 and a BS in Mechanical Engineering at the University of Pennsylvania in 2003. Dr. Szczesny's current research examines how cells in tendon sense the mechanics of their local microenvironment (e.g., strains, stiffness) and how their response drives changes in tissue mechanical properties during tendon degeneration, repair, and development. The ultimate goals of this work are to identify the causes of tendon pathology, discover novel therapeutic options, and direct the design of biomaterials that can recapitulate the behavior of native tissue.

DISCOVER ENGINEERS WEEK
February 21 - February 27, 2021