

Talk Title: Preparing students for a quantum future

Biography: Ben Zwickl is an Associate Professor in the School of Physics and Astronomy and a member of the [Physics Education Research Group](#) at Rochester Institute of Technology. He is also an Adjunct Professor in the Center for Computing in Science Education at the University of Oslo. He received a PhD in physics doing experiments related to quantum optomechanical sensors, which was followed by a postdoc in physics education research at the University of Colorado Boulder. Since that time, Ben has pursued research on the nature of physics expertise, how expertise is developed, and the relationship between formal education and professional success. This has included research on graduate education, career preparation for optics and quantum jobs, and laboratory education. Ben regularly teaches courses that integrate computation, laboratory work, and projects.