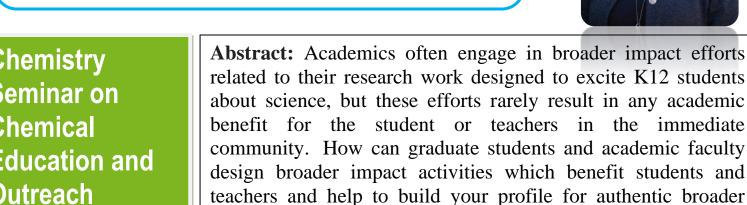
Chemical Education and Outreach beyond **Broader Impacts**

Dr. Nancy Ruzycki

impact?

Materials Science and Engineering University of Florida



Being able to align authentic broader impact to research goals requires development of a logic model and use of system thinking practices to ensure there are measurable outcomes for activities at the student and teacher level in addition to having meaningful alignment to research projects. This talk will showcase the landscape of K12 opportunities and how you can create a logic model which addresses and aligns activities and outcomes. These logic models are also appropriate for use in NSF proposals.

About the speaker: Nancy Ruzycki holds a PhD in Physics from Tulane University and currently is an Associate Instructional Professor at the University of Florida Department of Materials Science and Engineering where she designs and teaches laboratory experiences for students. Ruzycki has a 5 Million Dollar Department of Education grant related to professional development of K12 teachers for STEM instructional practices and some foundation grants for training teachers for integrated ML and AI practices. She does research into professional development of teachers for use of technology, inquiry, modeling conceptual development. Ruzycki also designs jupyter notebooks for use in classes for data science applications of materials science and engineering.

Chemistry Seminar on **Chemical Education and** Outreach

4:00 p.m. **Monday** Sept 27 Via Zoom

Please contact Amitava Choudhury at choudhurya@mst.edu for the zoom link.

