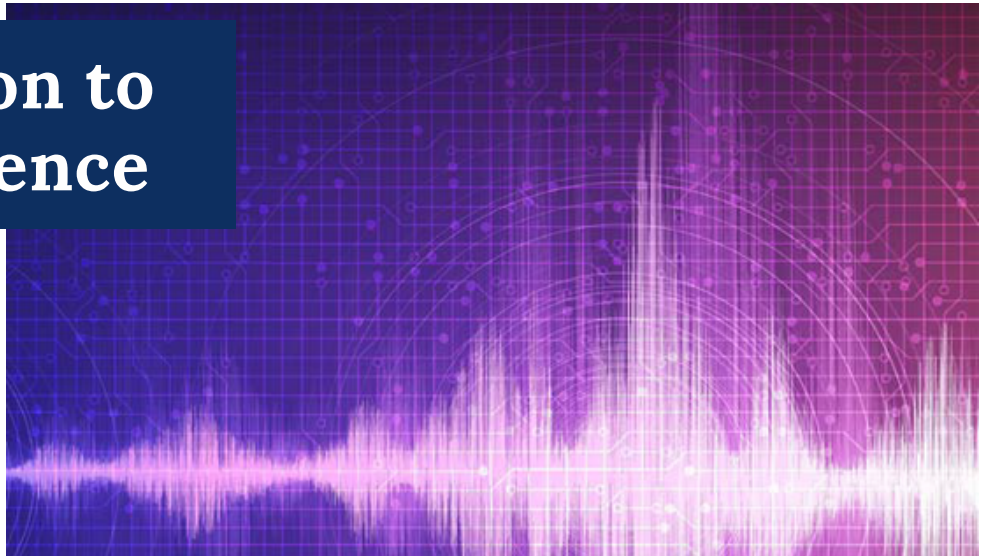
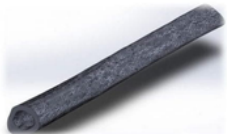
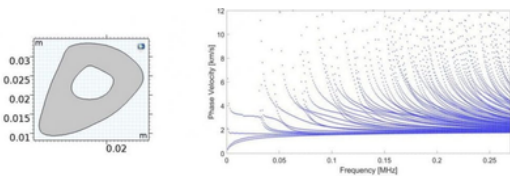


An Introduction to Resonator Science



Dates: Self-paced learning starts March 23, 2024

One-day in-person workshop, March 30, 2024, 9:00 AM-3:30 PM

Location: 118 Room in Chambers Building, University Park

Target audience: Secondary Physics/Physical Science Teachers

This course is designed to help teachers understand the use of resonators to prevent surface waves. Teachers will learn about the different types of resonators and how experts select the right resonator for a given application. Dr. Shokouhi's research at PenSul, Penn State's Ultrasonics lab, focuses on developing next-generation technologies with a focus on waves.

In this workshop, teachers will learn how to use models that improve the use of and configuration of resonators to prevent surface waves. This will be a one-week asynchronous workshop, that will include 10 hours of self-paced learning in combination with a 1-day in-person meeting. Teachers will leave the workshop with tools to teach a unit on resonators, including agent-based models, videos, and a practical guide to this research topic.

Teacher Benefits

- Teachers will receive a \$300 stipend for attendance and implementation.
- Participating teachers are eligible for \$200 in supplies to assist with implementing their unit.
- Act 48 Credits will be provided upon request.

To apply:

<https://www.csats.psu.edu/forms/registration>



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**Penn State Ultrasonics Lab
Center for Science and the Schools
Penn State College of Education**