

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 inperson 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



Funding provided by The National Science Foundation



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

This publication is available in alternative media on request. Penn State encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact Kathy Hill at kmm173@psu.edu in advance of your participation or visit. Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. UBR EDU 24-64.