FINDING HELPFUL RESOURCES FOR PHYSICS TEACHING ON PHYSPORT

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ABSTRACT

Physics education researchers have created research results, teaching methods, curricula, and assessments that can dramatically improve physics education. PhysPort (www.physport.org) supports physics educators in implementing research-based teaching practices in their classrooms and departments by providing expert recommendations about teaching methods, assessment, and results from physics education research (PER). In this workshop, you'll learn how to use the resources on PhysPort to support your teaching.

Intended Audience: University and Secondary-school Educators

PRESENTERS

Dr Sam McKagan is the creator and director of PhysPort, a resource to support physics faculty in using research-based teaching and assessment in their classes and departments. She also serves as design and development director for the Living Physics Portal, an online community for sharing and discussing materials for physics for life sciences, and the editorial director for the Effective Practices for Physics Programs (EP3) project, which is developing a guide to support physics department chairs in using effective practices for the ongoing review and improvement of their programs.

Dr Adrian Madsen is the assistant director of PhysPort, a website that supports physics faculty in using research-based teaching and assessment in their classes and departments, and a research scientist for the Living Physics Portal, an online community for sharing and discussing materials for physics for life sciences. As a part of these projects, she has interviewed a wide variety of educators to learn about their needs and worked on several user-centered design teams to create online tools that meet real needs. She is also a former high school physics teacher.

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