



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

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Type: **Poster**

Physics in the context of seismology: experiments and activities with the Raspberry Shake

Monday 30 June 2025 16:30 (1 hour)

The Raspberry Shake 1D is a low-cost, computerized seismograph that can be used very well to detect ground motions from earthquakes and everyday life. For physics teachers, the system is an excellent tool for teaching physics concepts and scientific methods in a highly motivating way. We will present some ideas for experiments and activities with the Raspberry Shake for students in schools as well as tasks for undergraduate students at universities.

Education level

Age 15-18 (Secondary education)

Physics topic

Interdisciplinary topics

Research focus

Active learning

Research method

Other

Organizing preference criteria

Track

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Presenter: FÖSEL, Angela

Session Classification: Poster session

Track Classification: Contemporary and modern physics (CONT)