



GIREP-EPEC
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Košice, Slovakia

GIREP-EPEC conference 2023
Physics learning promoting culture
and addressing societal issues

Contribution ID: 182

Type: **Poster**

Introducing quantum physics concepts through lesson materials on quantum technology

Thursday 6 July 2023 16:00 (20 minutes)

We present examples of lesson materials on quantum technology, currently under development, to be used as an introduction to quantum physics in upper secondary school aimed at students with a general STEM background. We expect that introducing students to quantum technology and how its applications impact their daily environment can be a fruitful starting point for developing some intuition about quantum phenomena. Thus, the materials contain hands-on activities and demonstrations with a predict-observe-explain approach. Additionally, we wish to explicitly connect quantum physics to other fields of scientific study such as chemistry and biology.

How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

In-service teacher education

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Presenter: OCKHORST, Rutger

Session Classification: Poster session 2