



GIREP-EPEC
3-7 July 2023
Košice, Slovakia

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

Contribution ID: 184

Type: **Oral presentation**

Using peer-reviewed papers to design new type problems

Monday 3 July 2023 14:00 (20 minutes)

Problem solving is an integral part of teaching and learning physics, however, the research shows that by solving traditional problems students do not develop coherent knowledge. In the technological era there is a high demand for professionals of different areas with higher level thinking skills and scientific abilities characteristic for physicists. To help the students to learn to act and think like the physicists do, new type of problems have to be designed. We show how scientific papers can be used in the process and how such problems are seen by traditional physics educators.

How would you like to present your contribution?

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

Target education level (primary)

University education

Target education level (secondary, optional)

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Session Classification: Innovative strategies at University

Track Classification: Innovative strategies and pathways to improve physics education at university