



GIREP-EPEC
3–7 July 2023
Košice, Slovakia

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

Contribution ID: 191

Type: **Oral presentation**

HoPE (Hands on Physics Experience): creativity and collaborative construction of knowledge develop lifelong learning competences

Wednesday 5 July 2023 14:00 (20 minutes)

Traditional ways of teaching and learning Physics are usually led only by teachers. Students study historical discoveries. There is almost no space for creativity and interaction among students. How is it possible to raise a new generation of inventors and innovators that are able to work collaboratively, as they will be expected to do in the future society? This is the story of a high school STEM program run collaboratively with MIT Edgerton Center. Students are actively engaged in their learning process by creating, researching, designing, building collaboratively with peers their own STEM projects and by developing lifelong learning skills.

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)

Lower-secondary education

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Session Classification: Students'identity, inclusion and wellbeing

Track Classification: Students'identity, inclusion and wellbeing in physics learning