



**GIREP-EPEC**  
**3–7 July 2023**  
Košice, Slovakia

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

Contribution ID: 46

Type: **Workshop**

## **LEGO building blocks sets as an experimenting tool in Physics Classroom**

*Thursday 6 July 2023 13:40 (1h 30m)*

The following work concentrates on implementing building block sets in Physics Education in combination with smartphones' applications. The description of the sets and their possibilities are presented. The list of possible implementations in different Physics fields is given based on the available hardware tools. The paper also provides advantages and disadvantages of using aforementioned systems in the classroom. One particular example of activity on visualizing the sound waves propagation is under closer investigation in terms of a pilot project and a series of further experiments is in development stage.

### **How would you like to present your contribution?**

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

### **Target education level (primary)**

Lower-secondary education

### **Target education level (secondary, optional)**

Higher-secondary education

**Author:** BABAYEVA, Marina

**Presenter:** BABAYEVA, Marina

**Session Classification:** Workshop Lab work and experiments

**Track Classification:** Lab work and experiments in physics education