



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

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

Contribution ID: 113

Type: **Oral presentation**

## **The Photoelectric Effect and the Electromagnetic spectrum learning through the study of the implementation of spectroscopy techniques in Art analysis.**

*Thursday 6 July 2023 14:20 (20 minutes)*

This work presents the photoelectric effect and the electromagnetic spectrum topic from a Physics course in High School learned through the study of the implementation of spectroscopy techniques in Art analysis. In general, students have difficulties with Physics, especially when the topics are within the framework of contemporary Physics, either due to the complications inherent to the concepts involved or due to the difficulties involved in carrying out experiments that show the theory. In this way, we exposed the relation between Physics and spectroscopy techniques in Art analysis, showing them implementations of spectroscopy.

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

Hybrid from my own country (later in the conference day, best for Americas ...)

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

Upper-secondary education

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

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**Session Classification:** Hybrid session - later

**Track Classification:** Interdisciplinary approaches and physics in STEM education