



Contribution ID: 165

Type: **Workshop**

Empowering learning through dynamic modelling activities to enhance physics education

Thursday 29 August 2024 15:30 (1h 30m)

Inquiry-based science education emphasizes active learning where students, through inquiry, answer a research question applying a scientific method based on experimentation or modelling approach. Experimentation is a primary means of inquiry. Modelling, as another essential aspect of the inquiry approach, allows students to represent and manipulate abstract concepts, explore relationships between variables and make predictions about the system behaviour. In the workshop, the principles of dynamic modelling will be introduced. Participants will develop their own dynamic models within the COACH learning environment software. Through hands-on activities, they will get insight how to integrate dynamic modelling activities into their educational practices.

How would you like to present your contribution?

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

Target education level

Secondary

Category

Formal Education

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Session Classification: Workshop

Track Classification: Teaching and Learning Physics Concepts