



Contribution ID: 198

Type: **Workshop**

## Conceptual Approaches To Teaching

Monday 3 July 2023 16:00 (1h 30m)

The nature of concepts and conceptual understanding is discussed in relation to approaches to teaching which enhance conceptual understanding. The role of qualitative relationships, mental models, discussion, team work and the use of different kinds of representations are all discussed with reference to their use in scientific reasoning and, by extension, learning to reason in science. Participants will have the opportunity to put these ideas into practice by, first, explaining or discussing difficult concepts and then bringing the ideas together in the design of teaching sequences that emphasize the conceptual approach. Both university and school teachers are welcome.

### 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)

University education

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**Session Classification:** Workshop Innovative strategies at university

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