



Contribution ID: 307 Contribution code: RT-501

Type: Oral presentation

Project-Based Learning Methods for Science and Engineering Education. An Approach Based on Backward Educational Design and Design Thinking

I will present recent progress in changing the way Physics is taught at Ovidius University of Constanta, Romania, following two projects the university has been involved in: Restart4Edu, an Erasmus+ project focusing on Project-Based Learning and a national project preparing the trainers for master's programs in education. I will illustrate how we applied our approach, based on backward educational design and design thinking in Physics, Mathematics, and Engineering.

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Session Classification: RT5 Models of Studying Physics in European Universities – Specificities in Balkan Countries

Track Classification: Round Tables: RT5 Models of Studying Physics in European Universities – Specificities in Balkan Countries