



Contribution ID: 16

Type: **Oral presentation**

Teachers' responses to students' explanations

Tuesday 4 July 2023 15:00 (20 minutes)

We present the results of our research on the teachers' ability to interpret student explanations and respond to them effectively. Students were solving a non-traditional problem involving momentum and energy. Teachers took the survey that contained the text of the problem and students' written explanations of their answer choice. Teachers were asked to comment on the student's strengths/weaknesses, and describe their hypothetical response to the student. To analyse teachers' responses, we used the Tasks of Teaching from the content knowledge for teaching energy (CKT-E) framework.

How would you like to present your contribution?

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

Target education level (primary)

In-service teacher education

Target education level (secondary, optional)

Pre-service teacher education

Primary author: DODLEK, Danijela (Josip Juraj Strossmayer University of Osijek, Department of Physics)

Co-authors: ETKINA, Eugenia (Rutgers University, 10 Seminary Place, New Brunswick, NJ 08901, USA); PLANIN-SIC, Gorazd (Faculty of Mathematics and Physics, University of Ljubljana)

Presenter: DODLEK, Danijela (Josip Juraj Strossmayer University of Osijek, Department of Physics)

Session Classification: Physics teacher education

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