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Type: **Oral presentation**

How do pre-service physics teachers envision physicists?

Monday 30 June 2025 13:30 (20 minutes)

To integrate nature of science learning opportunities for pre-service physics teachers into our teacher education program, we first investigate the pre-service teachers' perceptions of physicists. For this, we use an extended version of the Draw a Scientist test, supplemented by open-ended questions on knowledge, skills and personality traits associated with physicists, as well as the relation towards the physics community. The pre-service teachers' drawings show physicists experimenting, calculating and theorizing. However, they mostly assign these physicists content knowledge, rather than epistemic knowledge. This highlights an aspect to be addressed in physics teacher education.

Education level

Pre-service and in-service teacher education

Physics topic

Interdisciplinary topics

Research focus

Student conceptions / Preconceptions / Misconceptions

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Track

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