



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

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Type: **Oral presentation**

Stargazing Live! Discover the transient Universe in the NOVA Mobile Planetarium - ASTRO

Tuesday 1 July 2025 09:00 (1h 30m)

Stargazing Live! aims to capture the imagination of students with a combination of live and interactive planetarium lessons, real astronomical data, and lessons built around interactive knowledge representations. The lessons were created using a co-creation model and tackle concepts in the pre-university (astro)physics curriculum which students find difficult to grasp with traditional interventions. An evaluation study in nine Dutch classrooms showed that learners are inspired and engaged by the planetarium but are not always able to link the content to the classroom.

Education level

Age 15-18 (Secondary education)

Physics topic

Astronomy and Astrophysics

Research focus

Student conceptions / Preconceptions / Misconceptions

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Physics topic

Author: HOLT, Joanna (Amsterdam University of Applied Sciences & Netherlands Research School for Astronomy)

Co-authors: Dr BREDEWEG, Bert (Amsterdam University of Applied Sciences); Mr VAENDEL, Dennis (Freelance Science Writer); Mr HANSE, Joris (Netherlands Research School for Astronomy); KRAGTEN, Marco (Amsterdam University of Applied Sciences); BAAN, Marieke (Netherlands Research School for Astronomy); GROOT, Paul (Radboud University); BLOEMEN, Steven (Radboud University)

Presenters: HOLT, Joanna (Amsterdam University of Applied Sciences & Netherlands Research School for Astronomy); Mr HANSE, Joris (Netherlands Research School for Astronomy)

Session Classification: Workshops

Track Classification: Astronomy and Astrophysics education (ASTRO)