



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 280

Type: Poster

Lesson materials on quantum technology for upper secondary education

Monday 30 June 2025 16:30 (1 hour)

Advancements in quantum sensing and quantum computing are expected to impact many levels of society. This raises the need for a quantum ready workforce. In response, we have written three lesson modules on quantum technology to foster interest and increase awareness among upper secondary school students. This poster presentation explains the procedure followed in writing these materials and highlights a lesson module on the use of NV centers as a context for teaching quantum computation and quantum sensing.

Education level

Age 15-18 (Secondary education)

Physics topic

Quantum mechanics

Research focus

Active learning

Research method

Other

Organizing preference criteria

Physics topic

Author: OCKHORST, Rutger

Co-author: Mr FEIJE, Laurens (QuTech, Delft University of Technology)

Presenter: OCKHORST, Rutger

Session Classification: Poster session

Track Classification: Quantum education (QUANT)