## WCPE III 2021 Hanoi, VIETNAM

Contribution ID: 128 Type: Presentations in Wroclaw

## The Second Quantum Revolution at school: teaching and learning Quantum Physics in the context of Quantum Technologies

Thursday 16 December 2021 11:40 (20 minutes)

The context of the Second Quantum Revolution, in which basic results of Quantum Physics are generating new technological applications, is exploited to devise teaching-learning paths for high-school teachers and students. The concepts of quantum state, superposition, entanglement and measurement are addressed introducing the qubit and the quantum logic gates.

Author: Dr BONDANI, Maria (CNR - Institute for Photonics and Nanotechnologies)

Presenter: Dr BONDANI, Maria (CNR - Institute for Photonics and Nanotechnologies)

Session Classification: Parallel 10 - Wroclaw

Track Classification: 20. Contemporary physics and modern physics in schools and universities