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Type: **Keynote speech**

Introduction to Quantum Computing - Optimizing Logistics Case Study

Thursday, 3 April 2025 10:10 (30 minutes)

In this talk, I will give an introduction to the quantum computing domain, explaining the basic concepts and algorithms, how it is different from the traditional way of computing, and what are the biggest challenges in this field.

I will also explain the difference between circuit-based models and the quantum annealing approach.

Finally, I will present a use case demonstrating how quantum computing could be applied to solve routing problems in logistics.

Presenter: Dr GORA, Paweł (Quantum AI Foundation)

Session Classification: S1