

presented to

## Diego Gerwig López

for successfully completing the self-study module Quantum Annealing during QClass23/24, covering Introduction to combinatorial optimization problems, QUBO Formulation, Modeling problems using penalty method and Ising model, Simulated Annealing and expressing problems using BQM, and Quantum Annealing.

QTurkey

QWorld & IBA Karachi

Hüseyin Türker Dibran Rashid Andris Ambainis

Dr. Jibran Rashid Prof Andris Ambainis University of Latvia

Diploma Number: QCobalt4-43





