

# JUNIQ Summer School on Quantum Computing - Gate-based and Annealing Systems - Remote

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## Introduction to Gate-based Quantum Computing

*Monday, 26 August 2024 10:30 (1 hour)*

Introduction to quantum bits and quantum gates  
Programming and Simulating quantum circuits  
Applications: QFT, Quantum Adder, QAOA

**Presenter:** Dr WILLSCH, Dennis