

**FM 2: Introductory Talk: Quantum Algorithms**

Time: Monday 9:30–10:30

Location: Audi Max

**Introductory Talk**      FM 2.1   Mon 9:30   Audi Max  
**Quantum Algorithms** — •RONALD DE WOLF — CWI and University of Amsterdam

This talk will give an introduction to quantum algorithms, which are

the core of the "software" of quantum computers. We will go into algorithms relevant for cryptography (such as Shor's factoring algorithm) and for optimization tasks (such as Grover search and the HHL algorithm). We will also briefly look at known limitations of quantum computers.