



The Vienna Doctoral Programme on Complex Quantum Systems
invites you to a

Seminar Talk

by

Matthias Troyer

ETH Zurich

Applications and validation of quantum devices

About a century after the development of quantum mechanics we have now reached an exciting time where non-trivial devices that make use of quantum effects can be built. Already there are a number commercial and experimental devices making non-trivial use of quantum effects (including quantum random number generators, quantum encryption systems, analogue quantum simulators and quantum optimizers). In this colloquium I will present validation tests we performed on some of the early analogue quantum devices and will end with an outlook towards universal “digital” quantum computers and their applications

**Monday, 7 November 2016,
16:30h get-together with coffee and snacks!**

Lise Meitner Hörsaal, Strudlhofgasse 4, 1st floor, Vienna

The seminar talk will be preceded by a CoQuS Student talk at 17:00h

by

Tuomas Jaako

TU Wien

Inhibition of ground-state superradiance and light-matter decoupling in Circuit QED

Hosted by: Ivette Fuentes