

2020 SFB WORKSHOP & ADJACENT EVENTS

03.11-04.11.2020

ONLINE, via Zoom

Organized by Barbara Kraus (UIBK) & Gregor Weihs (UIBK)



PROGRAM

Time	Tuesday, 03.11	Wednesday, 04.11
08:00-09:00		SFB Business Meeting (SFB board members only)
09:00-09:15		Coffee break
	SFB Women's Breakfast	SFB WORKSHOP 9:15-16:00
09:15-09:30	9:00-10:00	Introduction
09:30-10:15		Tutorial: Andreas Wallraff <i>Executing Deep Optimization Algorithms on a Superconducting Quantum Processor</i>
10:15-10:30		Coffee break
10:30-11:00		Richard Kueng <i>Predicting many properties of a quantum system from very few measurements</i>
11:00-11:30		Jose Carrasco <i>Classical verification of quantum computations: proposal for a proof-of-concept experiment</i>
11:30-13:00		Lunch & Networking
13:00-13:30		Fabian Steinlechner <i>Towards high-dimensional quantum communication in space</i>
13:30-13:55		Irati Alonso Calafell <i>Giant enhancement of third-harmonic generation in graphene-metal heterostructures</i>
13:55-14:25		Jordi Tura <i>Faster adiabatic ground state preparation with few measurements</i>
14:25-14:45	SFB Young Scientists' Soft Skills Workshop	Coffee break
14:45-15:30		Tutorial: Thomas Monz <i>Coherent control of trapped ions for simulations and computation</i>
15:30-16:00		Hendrik Poulsen Nautrup & Alexander Erhard <i>Entangling logical qubits with lattice surgery</i>
16:00-16:30		