

## FZJ-RIKEN RQC “Quantum Computing”

@ Wako Campus Welfare & Conf. 2F Large Meeting Room, RIKEN Center for Quantum Computing (RQC); 2-1 Hirosawa, Wako, Saitama, 351-0198, Japan

Time	Agenda / Details	Lead
<b>Chair: Yasunobu Nakamura (Director, RQC)</b>		
09:30	Opening words	Prof. Yasunobu Nakamura <i>Director, RIKEN Center for Quantum Computing (RQC)</i>
09:35	Greetings from Forschungszentrum Jülich	Prof. Frank Wilhelm-Mauch <i>Director of Institute for Quantum Computing Analytics (PGI-12)</i>
09:40	Introduction of RQC and research activities	Prof. Yasunobu Nakamura
10:10	Introduction of FZJ and research activities	Prof. Frank Wilhelm-Mauch
10:40	Coffee break	
11:00	Quantum Control	Prof. Tommaso Calarco <i>Director of Institute for Quantum Control (PGI-8)</i>
11:25	Semiconductor Quantum Information Device (provisional)	Prof. Seigo Tarucha <i>Team Leader, Semiconductor Quantum Information Device Research Team</i>
11:50	Lunch (buffet style)	
<b>Chair: Prof. Tommaso Calarco (Director, FZJ)</b>		
13:20	Theory of quantum optomechanics and thermodynamics from an FZJ-RIKEN cooperation	Dr. Alessandro Ferreri <i>Postdoc, Institute for Quantum Computing Analytics (PGI-12)</i>
13:45	earlyFTQC: closing the gap between NISQ and FTQC	Prof. Keisuke Fujii <i>Team Leader, Quantum computing Theory Research Team</i>
14:10	Advanced computing cooperation in EU	Dr. Florian Berberich <i>Operations Director bei PRACE (Partnership for Advanced Computing in Europe)</i>
14:35	Development of optical quantum computer at RIKEN	Dr. Hidehiro Yonezawa <i>Team Leader, Optical Quantum Control Research Team</i>
15:00	Short break	
15:10	Lab tour (Optical QC)	Dr. Hidehiro Yonezawa
15:30	Lab tour (Superconducting QC)	Prof. Yasunobu Nakamura
15:50	Wrap-up	Prof. Tommaso Calarco
16:00	End of the workshop	