

QuCQC talk schedule. Talk abstracts [here](#).

QuCQC 2021 Monday Feb. 22 Schedule

				PST	EST	CET	AEDT (Tue 23-Feb)	JST (Tue 23-Feb)	Legend
Keynote session Monday									
Chair: Thomas O'Brien	Opening remarks	Organisers + Lorentz Center		6:45 AM	9:45 AM	3:45 PM	1:45 AM	11:45 PM	Keynote session
	<i>Simulating quantum matter on controlled artificial quantum systems</i>	Frank Wilhelm-Mauch		7:00 AM	10:00 AM	4:00 PM	2:00 AM	12:00 AM	Discussion session
	<i>Keynote overview (open problems)</i>	Alan Aspuru-Guzik		7:40 AM	10:40 AM	4:40 PM	2:40 AM	12:40 AM	Focus session
	Break (20 minutes)			8:20 AM	11:20 AM	5:20 PM	3:20 AM	1:20 AM	Morning (8:00AM-12:00PM)
	<i>Keynote overview (fault-tolerance)</i>	Nathan Wiebe		8:40 AM	11:40 AM	5:40 PM	3:40 AM	1:40 AM	Afternoon (12:00PM-5:00PM)
	<i>Keynote overview (quantum-classical)</i>	James Whitfield		9:20 AM	12:20 PM	6:20 PM	4:20 AM	2:20 AM	Evening (5:00PM-8:00PM)
	End of session			10:00 AM	1:00 PM	7:00 PM	5:00 AM	3:00 AM	Night (8:00PM-8:00AM)
Near-term keynote session									
Chair:	<i>Electronic structure on today's devices</i>	Nicholas Rubin		11:00 AM	2:00 PM	8:00 PM	6:00 AM	4:00 AM	
	Break (15 minutes)			11:45 AM	2:45 PM	8:45 PM	6:45 AM	4:45 AM	
Near-term discussion session (Americas)	<i>Discussion overview near-term (Americas)</i>	William Huggins		12:00 PM	3:00 PM	9:00 PM	7:00 AM	5:00 AM	
Discussion leader: William Huggins	<i>Near-term discussion in breakout groups (Americas)</i>			12:30 PM	3:30 PM	9:30 PM	7:30 AM	5:30 AM	
	End of session			1:00 PM	4:00 PM	10:00 PM	8:00 AM	6:00 AM	
Near-term focus talks (Americas)									
Chair: Sophia Economou	<i>Analog quantum simulation of chemical dynamics</i>	Ivan Kassal		2:30 PM	5:30 PM	11:30 PM	9:30 AM	7:30 AM	
	<i>NISQ-aware methodologies for variational quantum algorithms</i>	Keisuki Fujii		3:00 PM	6:00 PM	12:00 AM	10:00 AM	8:00 AM	
	End of session			3:30 PM	6:30 PM	12:30 AM	10:30 AM	8:30 AM	

QuCQC 2021 Tuesday Feb. 23 Schedule

				PST	EST	CET	AEDT (Wed 24-Feb)	JST	Legend
Near-term discussion session (Mediterranean)									
Discussion leader: Thomas O'Brien	<i>Discussion overview near-term (Mediterranean)</i>	William Huggins (recording)		6:00 AM	9:00 AM	3:00 PM	1:00 AM	11:00 PM	Keynote session
Near-term discussion session (Mediterranean)	<i>Near-term discussion in breakout groups (Mediterranean)</i>			6:30 AM	9:30 AM	3:30 PM	1:30 AM	11:30 PM	Discussion session
Chair: Thomas O'Brien	<i>Learning from physics experiments, with quantum computers: Applications in muon spectroscopy</i>	Sam McArdle		7:00 AM	10:00 AM	4:00 PM	2:00 AM	12:00 AM	Focus session
	End of session			7:30 AM	10:30 AM	4:30 PM	2:30 AM	12:30 AM	Morning (8:00AM-12:00PM)
									Afternoon (12:00PM-5:00PM)
									Evening (5:00PM-8:00PM)
									Night (8:00PM-8:00AM)
Keynote session Tuesday									
Chair: Libor Veis	<i>Keynote 2 near-term</i>	Kristan Temme		8:00 AM	11:00 AM	5:00 PM	3:00 AM	1:00 AM	
	<i>Near-term wrap-up</i>	William Huggins		8:45 AM	11:45 AM	5:45 PM	3:45 AM	1:45 AM	
	Break			8:55 AM	11:55 AM	5:55 PM	3:55 AM	1:55 AM	
	<i>Recent developments in (real-space) quantum Monte Carlo</i>	Claudia Filippi		9:15 AM	12:15 PM	6:15 PM	4:15 AM	2:15 AM	
	End of session			10:00 AM	1:00 PM	7:00 PM	5:00 AM	3:00 AM	
Open problems discussion session (Americas)									
Discussion leader: Wibe de Jong	<i>Discussion overview open problems (Americas)</i>	Wibe de Jong		11:00 AM	2:00 PM	8:00 PM	6:00 AM	4:00 AM	
	<i>Open problems discussion in breakout groups (Americas)</i>			11:30 AM	2:30 PM	8:30 PM	6:30 AM	4:30 AM	
	End of session			12:00 PM	3:00 PM	9:00 PM	7:00 AM	5:00 AM	
Open problems focus talks (Americas)									
Chair: Garnet Chan	<i>Improved Hamiltonians for Quantum Chemistry</i>	Steven White		1:00 PM	4:00 PM	10:00 PM	8:00 AM	6:00 AM	
	<i>Challenges in quantum chemistry beyond the electronic ground state</i>	Joonho Lee		1:30 PM	4:30 PM	10:30 PM	8:30 AM	6:30 AM	
	End of session			2:00 PM	5:00 PM	11:00 PM	9:00 AM	7:00 AM	

QuCQC 2021 Wednesday Feb. 24 Schedule

			PST	EST	CET	AEDT (Thu 25-Feb)	JST	
Open problems discussion session (Mediterranean)								Legend
Discussion leader: <u>Lucas Visscher</u>	<i>Discussion overview open problems (Mediterranean)</i>	Wibe de Jong (recording)	6:00 AM	9:00 AM	3:00 PM	1:00 AM	11:00 PM	Keynote session
Open problems focus talks (Mediterranean)			6:30 AM	9:30 AM	3:30 PM	1:30 AM	11:30 PM	Discussion session
Chair: <u>Lucas Visscher</u>	<i>DMRG-based methods for large-scale applications in strongly correlated quantum chemistry</i>	Libor Veis	7:00 AM	10:00 AM	4:00 PM	2:00 AM	12:00 AM	Focus session
End of session			7:30 AM	10:30 AM	4:30 PM	2:30 AM	12:30 AM	Morning (8:00AM-12:00PM)
								Afternoon (12:00PM-5:00PM)
								Evening (5:00PM-8:00PM)
								Night (8:00PM-8:00AM)
Keynote session Wednesday								
Chair: <u>Nathan Wiebe</u>	<i>Tensor product approximation based methods for electronic structure calculations</i>	Ors Legeza	8:00 AM	11:00 AM	5:00 PM	3:00 AM	1:00 AM	
<i>Open problems wrap-up</i>			8:45 AM	11:45 AM	5:45 PM	3:45 AM	1:45 AM	
Break			8:55 AM	11:55 AM	5:55 PM	3:55 AM	1:55 AM	
<i>The Promise of First Quantized Quantum Simulations of Chemistry</i>			9:15 AM	12:15 PM	6:15 PM	4:15 AM	2:15 AM	
End of session			10:00 AM	1:00 PM	7:00 PM	5:00 AM	3:00 AM	
Fault-tolerance discussion session (Americas)								
Discussion leader: <u>Bela Bauer</u>	<i>Discussion overview fault-tolerance (Americas)</i>	Bela Bauer	11:00 AM	2:00 PM	8:00 PM	6:00 AM	4:00 AM	
<i>Fault-tolerance discussion in breakout groups (Americas)</i>			11:30 AM	2:30 PM	8:30 PM	6:30 AM	4:30 AM	
End of session			12:00 PM	3:00 PM	9:00 PM	7:00 AM	5:00 AM	
Fault-tolerance focus talks (Americas)								
Chair: <u>Ryan Babbush</u>	<i>Focus talk 1 fault-tolerance (Americas)</i>	Guang-Hao Low	1:00 PM	4:00 PM	10:00 PM	8:00 AM	6:00 AM	
<i>Quantum computation of Green's functions</i>			1:30 PM	4:30 PM	10:30 PM	8:30 AM	6:30 AM	
<i>Focus talk 3 fault-tolerance (Americas)</i>			2:00 PM	5:00 PM	11:00 PM	9:00 AM	7:00 AM	
End of session			2:30 PM	5:30 PM	11:30 PM	9:30 AM	7:30 AM	

QuQC 2021 Thursday Feb. 25 Schedule

Fault tolerance discussion session (Mediterranean)			PST	EST	CET	AEDT (Fri 26-Feb)	JST	Legend	
Discussion leader: Barbara Terhal	Discussion overview fault-tolerance (Mediterranean)	Bela Bauer (recording)	6:00 AM	9:00 AM	3:00 PM	1:00 AM	11:00 PM		Keynote session
	Fault-tolerance discussion in breakout groups (Mediterranean)		6:30 AM	9:30 AM	3:30 PM	1:30 AM	11:30 PM		Discussion session
	End of session		7:00 AM	10:00 AM	4:00 PM	2:00 AM	12:00 AM		Focus session
Morning (8:00AM-12:00PM)									
Afternoon (12:00PM-5:00PM)									
Evening (5:00PM-8:00PM)									
Night (8:00PM-8:00AM)									
Keynote session Thursday			PST	EST	CET	AEDT (Fri 26-Feb)	JST (Fri 26-Feb)		
Chair: James Whitfield	Keynote 2 fault-tolerance	Matthias Troyer	8:00 AM	11:00 AM	5:00 PM	3:00 AM	1:00 AM		
	Fault-tolerance wrap-up	Bela Bauer	8:45 AM	11:45 AM	5:45 PM	3:45 AM	1:45 AM		
	Break		8:55 AM	11:55 AM	5:55 PM	3:55 AM	1:55 AM		
	Making quantum computation for quantum chemistry more useful	Jens Eisert	9:15 AM	12:15 PM	6:15 PM	4:15 AM	2:15 AM		
	End of session		10:00 AM	1:00 PM	7:00 PM	5:00 AM	3:00 AM		
Quantum-classical discussion session (Americas)			PST	EST	CET	AEDT (Fri 26-Feb)	JST (Fri 26-Feb)		
Discussion leader: Jarrod McClean	Discussion overview quantum-classical (Americas)	Jarrod McClean	11:00 AM	2:00 PM	8:00 PM	6:00 AM	4:00 AM		
	Quantum-classical discussion in breakout groups (Americas)		11:30 AM	2:30 PM	8:30 PM	6:30 AM	4:30 AM		
Chair: Jarrod McClean	Problem-tailored ansatz for efficient variational quantum eigensolvers	Sophia Economou	12:00 PM	3:00 PM	9:00 PM	7:00 AM	5:00 AM		
	End of session		12:30 PM	3:30 PM	9:30 PM	7:30 AM	5:30 AM		

QuQC 2021 Friday Feb. 26 Schedule

Quantum-classical discussion session (Mediterranean)			PST	EST	CET	AEDT (Sat 27-Feb)	JST	Legend	
Discussion leader: Markus Reiher	Discussion overview quantum-classical (Mediterranean)	Jarrod McClean (recording)	5:00 AM	8:00 AM	2:00 PM	12:00 AM	10:00 PM		Keynote session
	Quantum-classical discussion in breakout groups (Mediterranean)		5:30 AM	8:30 AM	2:30 PM	12:30 AM	10:30 PM		Discussion session
	End of session		6:00 AM	9:00 AM	3:00 PM	1:00 AM	11:00 PM		Focus session
Morning (8:00AM-12:00PM)									
Afternoon (12:00PM-5:00PM)									
Evening (5:00PM-8:00PM)									
Night (8:00PM-8:00AM)									
Quantum-classical focus talks (Mediterranean)			PST	EST	CET	AEDT (Sat 27-Feb)	JST (Sat 27-Feb)		
Chair: Kristan Temme	A state-averaged quantum algorithm for an equal footing description of ground and excited states on a near term quantum computer	Saad Yalouz	6:30 AM	9:30 AM	3:30 PM	1:30 AM	11:30 PM		
	Quantum Algorithms for Evolving Open Quantum Dynamics on Quantum Computing Devices	Sabre Kais	7:00 AM	10:00 AM	4:00 PM	2:00 AM	12:00 AM		
	End of session		7:30 AM	10:30 AM	4:30 PM	2:30 AM	12:30 AM		
Keynote session Friday			PST	EST	CET	AEDT (Sat 27-Feb)	JST (Sat 27-Feb)		
Chair: Nicholas Rubin	Keynote 2 quantum-classical	Ivano Tavernelli	8:00 AM	11:00 AM	5:00 PM	3:00 AM	1:00 AM		
	Quantum-classical wrap-up	Jarrod McClean	8:45 AM	11:45 AM	5:45 PM	3:45 AM	1:45 AM		
	Break		8:55 AM	11:55 AM	5:55 PM	3:55 AM	1:55 AM		
	Final Keynote	Garnet Chan	9:15 AM	12:15 PM	6:15 PM	4:15 AM	2:15 AM		
	Closing remarks	Organisers	10:00 AM	1:00 PM	7:00 PM	5:00 AM	3:00 AM		
	End of session		10:05 AM	1:05 PM	7:05 PM	5:05 AM	3:05 AM		