

8 May		9 May		10 May		11 May	
9:00-10:00	Arrivals	Quantum Communication (A. Forbes)	Industry talks: Application Areas for Quantum Technology within Hensoldt's Detect and Protect Products and Solutions (P. Haupt and W. Ingram, Hensoldt Optotronics)		An engineer's experience of quantum computing (K. Nixon, Wits)		
			Industry talks: Wildfire detection technologies for tracking carbon emissions. (G. Hough, EnviroVision Solutions)		Measuring experimental parameters from SPDC intensity profiles. (B. Jordaan, NMISA)		
10:00-10:30	Tea						
10:30-11:30		Quantum Metrology (M. Tame)	Industry talks: New Frontier: The convergence of Machine Learning and Quantum Technologies (T. Radinne, Raphta)		Quantum sensing of emergent many-body phenomena: new insights from the Kondo state (A. Ukpong, UKZN)		
			Industry talks: IBM Quantum (G. Dawson, IBM)		Photosynthesis, quantum sensing and energy applications (T. Kruger, UP)		
11:30-12:30		Quantum Technology at NMISA (S. Roux, NMISA)	Benchmarking NISQ quantum computers (D. Davies, Sol Plaatje University)		Group Discussion Quantum Sensing		
		Quantum Technology at WITS (A. Forbes, WITS)	How Good are the Large Language Models at Explaining Quantum Technology? (M. Senekane, UJ)				
12:30-14:00	Lunch						
14:00-15:00	Opening and Overview of SA QuTI (A. Forbes)	Quantum Technology at Stellenbosch (M. Tame, SU)	A Shift from Classical Optical Communication to Quantum Communication (D. Waswa, NMMU)		Group Discussion Quantum Communications		
		Quantum Technology at CPUT (K. Govender, CPUT)	Towards long range free-space optical communication at the Wits lab (M. Cox, WITS)				
15:00-15:30	Tea						
15:30-16:30	Multivalued logic devices by tunneling (R. Harris)	Quantum Technology at UKZN (T. Konrad, UKZN)	Single Electron Pumping (M. Blumenthal, UCT)		Group Discussion Quantum Computing		
	Quantum Computing (F. Petruccione)	Quantum Technology at UniZulu (N. Revaprasadu, UniZulu)	Deep neural networks to model single electron transport (D. Mahony, UCT)				
16:30-17:30	QTI Olympiad	QTI Olympiad/SAQuTI Committee meeting	First Principle analysis of quantum pumping (S. Ahmad, UCT)		Objectives for 2024		
	QTI Olympiad		Quantum density matrix formalism for non-Hermitian Hamiltonian systems (K. Zloshchastiev, DUT)				
18:00-20:00	Dinner						
20:00-21:00			Public Talk - Quantum Information Technology in South Africa (S. Roux (NMISA)		Quantum Technology meets Jazz		