

Q^x SUMMIT26 | PROGRAM

QUEENSLAND'S ADVANCED TECHNOLOGIES FUTURE | 18 August 2026 | BRISBANE

Event Information



Time	Description	Location:	The Precinct Level 2, 315 Brunswick Street, Fortitude Valley
8:30	Arrival and networking		
9:15	Welcome to Country <i>Aunty Kathryn Fisher is an Aboriginal elder who was born on and grew up on Cherbourg Aboriginal Reserve. She now lives in Brisbane where she is linked to the Turrbal People through kinship ties. She has a strong spiritual connection to her people, the land and traditions. Aunty Kathryn is here with us today to deliver the Welcome to Country on behalf of the Turrbal People of Brisbane</i>		
9:30	Welcome and housekeeping		
9:45	Challenge 2032 presentations (part 1) <i>Discover how the Quantum 2032 Challenge is turning bold ideas into real-world impact. Challenge leads will share the breakthroughs, challenges and hard-won lessons behind projects designed to support the Brisbane 2032 Olympic and Paralympic Games while creating benefits far beyond the event itself. Learn how these initiatives are building Queensland's capability, strengthening partnerships and establishing a lasting legacy for the state's quantum industry and innovation ecosystem.</i> ✿ 'Strike while the Iron is hot': Revolutionising iron deficiency detection to elevate athlete performance and health ahead of Brisbane 2032 and beyond - Prof Clare Minahan, Griffith University ✿ Quantum Concussion Diagnostics - Dr Ben Carey, University of Queensland ✿ Quantum sensing augmented real-time hydration and thermal regulation monitoring for peak performance and heat-related risk mitigation - Prof Ajay Panday, Queensland University of Technology		
10:25	Morning Tea		
11:00	Queensland Stories <i>Hear from Queensland startups and innovators transforming quantum and advanced technologies into practical solutions with real-world impact. Through a series of fast-paced stories, this session demonstrates the breadth of local capability and why Queensland is emerging as a leader in innovation and commercialisation.</i> Chair: Dr Michael Harvey, Silicon Catalyst ✿ Dr Glen Harris, Cortisonic ✿ Dr Rowan Gilmore, Silvertech ✿ Lieuwke de Jong, Sweet Atoms ✿ Madhu Jambunathan, iQ Sense ✿ Dr Nicolas Mauranyapin, NostiQ ✿ Paul Butler, Veriquantix		
12:00	Panel Discussion: Building a quantum ready workforce <i>Explore the innovative education and training ecosystem underpinning Queensland's growing quantum industry. From classrooms to laboratories, vocational training to university research, learn how a coordinated approach to talent development is creating a globally competitive workforce. Hear from educators, industry leaders and recruitment specialists about the skills, opportunities and local initiatives that are helping Queensland attract, develop and retain the talent needed to lead the next wave of technological innovation.</i> Panel Chair: Prof. Andrew White, University of Queensland ✿ Peter Starling, Talentum Connect ✿ Daniel Miles, Queensland Department of Education ✿ Dr Danny Meloncelli, QCIF Digital Research ✿ Dr Christine Yeates, Queensland Department of the Environment, Tourism, Science and Innovation.		
12:40	Networking lunch		
13:40	PsiQuantum Dr Michael Bremner, Senior Director - Applications, PsiQuantum <i>Gain insight into the development of one of the world's most ambitious quantum computing projects and its significance for Queensland's technology ecosystem. Hear how global partnerships, infrastructure and investment are helping position Queensland and the growing impact of quantum computing applications and algorithms.</i>		
13:55	Tech23 Queensland Liza Noonan, CEO, Cicada Innovations <i>Discover how Cicada Innovations champions Australia's deep-tech startups through Tech23, connecting bold founders and breakthrough technologies with the visibility, networks and support needed to grow. Hear how Queensland innovators can tap into national platforms to attract investment, build partnerships and accelerate their path to impact.</i>		

14:10	Queensland Quantum Decarbonisation Alliance Prof Eleanor Rieffel, Director, QQDA <i>Discover how strategic collaboration and ecosystem development are helping Queensland innovators translate research into commercial opportunities. This session explores the pathways that connect local founders and projects with investment, industry partners and broader markets</i>
14:25	Quantinuum Dr Marvin Lee, Singapore Country Leader, Quantinuum <i>Dr Marvin Lee presents on the emergence and growth prospects of quantum computing, Quantinuum's hardware roadmap, commercial success stories and how to work with Quantinuum. Dr Marvin Lee is the Country Leader for Quantinuum Singapore. He holds a PhD in Biochemistry and has directorial experience spanning high-impact R&D at A*STAR, investment promotion at EDB, and national technology policy development at NRF.</i>
14:40	Challenge 2032 presentations (part 2) <i>The showcase continues with a new line-up of Quantum 2032 Challenge projects. Hear the stories behind their progress, explore the opportunities taking shape and discover how Queensland teams are turning quantum potential into momentum.</i> ✿ CERQuS: Cavity-Enhanced Rydberg Quantum Sensors for Bioelectrics - Dr Tyler Neely, University of Queensland ✿ AI-Quantum Nexus: Revolutionising Group Communication for Large Sport Events - Prof Hong Shen, Central Queensland University ✿ Quantum assays for anti-doping control - Dr Igor Marinkovic, University of Queensland
15:20	Afternoon Tea
15:55	Quantum for Health <i>Bringing together leaders from healthcare, research, government and industry, this panel explores how quantum technologies could transform health and medicine. The discussion will examine emerging applications and future opportunities across diagnosis, treatment, disease monitoring and patient care.</i> Presentation by Dr Riddhi Gupta, Queensland Digital Health Centre / University of Queensland Panel Discussion: <i>Supporting better diagnosis, treatment and monitoring of disease</i> Panel Chair: Prof Lezanne Ooi, QUBIC / University of Wollongong ✿ Dr Michael Thomas, Chief Pathologist, Pathology Queensland ✿ Dr Glen Kennedy, Cancer Care Services, Queensland Health ✿ A/Prof Erik Streed, QUATRI / Griffith University ✿ Prof Warwick Bowen, QUBIC / University of Queensland ✿ Dr Eliza Rokhsat, University of Melbourne ✿ Salvo Vitelli, Queensland Department of Primary Industries
16:55	Quantum Australia Stephanie Moroz, Quantum Australia <i>Hear from Quantum Australia on the national vision for growing Australia's quantum industry and strengthening global competitiveness. This session will highlight collaboration opportunities; strategic priorities and the role Queensland can play in the nation's quantum future.</i>
17:10	Panel Discussion: <i>Make it in QLD</i> <i>Queensland has the capability to prototype, test, validate and manufacture the technologies powering future industries. This panel showcases the state's strengths across quantum computing, sensing, photonics and semiconductors, and the infrastructure, expertise and partnerships helping turn research into products, industries and global opportunities.</i> Panel Chair: Dr Daniel Peace, National Advanced Photonics Facility (NAPF) ✿ George Curran, QC Labs ✿ Dr Dan Haassmann, Queensland Microtechnology Facility (QMF) ✿ Prof Arkady Fedorov, The National Quantum Computing Testbed (NQCT) ✿ Dr Atul Shukla, QLD Photon Detector Characterisation Facility (QPDC) ✿ Karsten Hoehn, QLD Advanced Photonics Packaging Facility (Q-APP)
17:45	Closing remarks
18:00	Networking drinks at Pig 'N' Whistle Brunswick Street, Fortitude Valley