The Best Quantum Technology Summit On The Planet

Main Conference Days: **4 – 5 April 2023**
Venue: **Equarius Hotel Sentosa, Singapore**

Day one: Singapore's Quantum Initiative | Quantum In APAC | Enterprise In Focus | Accelerating Your Path To Quantum Advantage | The Path To Commercialization | Quantum 101 Beginners Workshop
Day two: Insights, Analysis and Growth | Global Innovations | Government Programmes | Embracing New innovations | Sensing & Metrology | Quantum Chemistry | Addressing The Quantum Hype

Confirmed Speakers

Alexander Ling QEP Director, Quantum Engineering Programme (QEP) **National University of Singapore**	Tommaso Demarie Co-Founder & CEO **Entropica Labs**	Reena Dayal Chairperson of the Board and CEO **Quantum Ecosystems and Technology Council of India**
Pete Shadbolt Co-Founder and Chief Scientific Officer **PsiQuantum**	Peter Morrison Senior Digital Science Associate, Technology Researcher, Incubation Lead **BP**	Andrew Dzurak CEO & Founder **Diraq**
Erick Hadi CEO **Electronic Science Indonesia**	Professor Jose Ignacio Latorre Director, Centre for Quantum Technologies and Provost's Chair Professor **NUS**	Hao Qin Quantum Communication Technologist **NUS**
Dr. Hung Q. Nguyen Principal Investigator **Vietnam National University**	Maynard Kang Director, Strategic Development **Temasek**	Teik Guan Tan CEO **pQCee**
Ravi Kumar Co-Founder **Atomionics**	Michael J Biercuk CEO & Founder **Q CTRL**	Sphoorthy Nadimpalli Data Scientist **Paninian**
Matthew Gould Director **Allectus Capital**	Jing Yi Chan Head of Operations and Business **Entropica Labs**	Subhash Pandey Quantum Researcher **CogniFrame**

Andre M Koning Founder & Chairman **OneQuantum**	Dr Rudy Raymond Researcher **IBM**	Arthit Vongachariya Team leader – Digital Manufacturing, Simulation Technology, CAE and CFD Simulation **SCG Chemicals**	Bobby Corpus Board Member, Quantum Technology Board **Department of Science & Technology Philippines**	Jirawat Tangpanitanon CEO **Quantum Technology Foundation Thailand**	Hui Khoon Ng Associate Professor **Yale-NUS**
Paul Griffin Associate Professor **SMU**	David Shaw Chief Analyst, Global Quantum Intelligence **Fact Based Insight**	Sergio Gago MD Quantum Computing **Moody's Analytics**	Laurentiu Nita CEO **Quarks Interactive**	Vardaan Sahgal Quantum Solutions Launchpad **Womanium**	Dr. Chloe Ai Quantum Researcher **Vodafone**
Jonas Tan APAC R&D Lead **SoftServe**	Dr Pekka Pursula Research Manager, Microelectronics and Quantum Technology **VTT Technical Research Centre of Finland**	Thierry Botter Executive Director **European Quantum Industry Consortium**	Christopher Bishop Podcast Host **Inside Quantum Technology**	Raghunath Koduvayur Head of Marketing & Communications **IQM**	Hsien-Hui Tong Head of Investments **SGInnovate**
Eunice Ooi CEO **Cap Vista**	John Barnes Founder & CEO **Entangled Positions**	Araceli Venegas-Gomez Founder & CEO **Qureca**	Dr Robert Bedington Co-Founder & CTO **SpeQtral**	Paolo Cuomo Executive Director **Gallagher Re**	Muni Vinay Kamisetty SVP – Head of Data and Automation **Lazada**
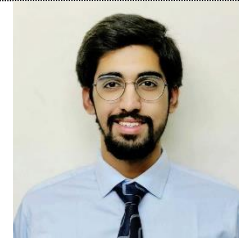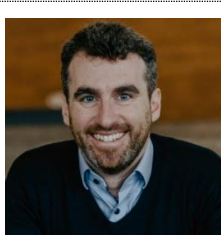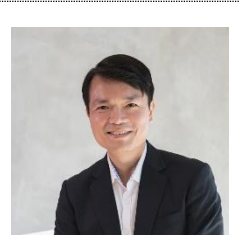
Ujjwal Kumar Lead Architect **Microsoft**	Justin Ging Chief Product Officer **Atom Computing**	Ling Keok Tong ED **National Quantum Office**	Sujoy Chakravarty Co-Founder **Quanfluence**	Dong-Hi Sim Team Lead, Innovation Business Office **SK Telecoms**	Joe Fitzsimons Chief Executive Officer **Horizon Quantum Computing**
Dimitris G Angelakis Assoc Professor**, TUC, CQT and AngelQ Quantum Computing**	Melvin Koh Head of Sales Engineering ASEAN, **Thales**	Suen Whei Yeap Project Manager **National Quantum Computing Hub**			

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"An excellent meeting of minds in the emerging quantum technology space"
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"An outstanding event! We are well on track towards a quantum industry."
QNB

⭐⭐⭐⭐⭐

"Fantastic panel of experts, full stack view of QC and forthcoming applications."
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Quantum.Tech Summit APAC 2023
Main Conference Day 1, Tuesday 4th April

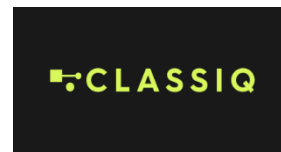|	
8:45	**Brand Promise and Welcome Address:** Benjamin Deregt, General Manager, **Quantum.Tech Summit APAC**
8:50	**Welcome Address:** Yaroslava Bhandari, Lead Researcher & Producer, **Quantum.Tech Summit APAC**
9:00	**Chairperson Opening Remarks:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**

Singapore's Quantum Initiative

9:20	**Opening Keynote: Quantum Engineering Programme key updates, activities and plans bringing academia, government and industry together to build Singapore's quantum ecosystem** • Which pillars of quantum technologies is Singapore looking at? • How can collaborators participate? **Speaker:** Alexander Ling, QEP Director, **Quantum Engineering Programme (QEP), National University of Singapore**

Quantum In APAC

9:40	**Keynote Panel: Assessing the current and future quantum landscapes in key APAC markets (Singapore, Korea, Indonesia, India, and Australia) – Where do each of these markets stand in their Quantum progression, what is their true end goal and how are they overcoming challenges to reach their Quantum vision?** **Speakers:** Michael J Biercuk, CEO & Founder, **Q CTRL** Erick Hadi, CEO, **Electronic Science Indonesia** Dimitris G Angelakis, Assoc Professor**, TUC, CQT and AngelQ Quantum Computing** Jing Yi Chan, Head of Operations and Business, **Entropica Labs** Dong-Hi Sim, Team Lead, Innovation Business Office, **SK Telecoms** **Moderator:** Reena Dayal, Chairperson of the Board and CEO **Quantum Ecosystems and Technology Council of India**
10:20	**Case Study:** **Latest advancements in spin qubits in silicon** Andrew Dzurak, CEO & Founder, **Diraq**
10:40	**Morning Networking Break 1 (40mins)**

Quantum Sensing

11:20	**Keynote Presentation:** Commercialization of a Quantum Gravimeter (Gravio™) for field applications **Speaker:** Ravi Kumar, Co-Founder, **Atomionics**

Enterprise In Focus

11:50	**Case Study:** **Quantum in a system context – Delivering business advantage and an overview of potential quantum enhanced products** Raghunath Koduvayur, Head of Marketing & Communications, **IQM**
12:10	**C Suite View from the Top: How are leading APAC enterprises preparing for a quantum future and how can leaders get on the forefront of these initiatives, allocate resources and investments carefully, while delivering realistic results?** **Speakers:** Jirawat Tangpanitanon, CEO, **Quantum Technology Foundation Thailand** Arthit Vongachariya, Team leader – Digital Manufacturing, Simulation Technology, CAE and CFD Simulation **SCG Chemicals** Muni Vinay Kamisetty, SVP – Head of Data and Automation, **Lazada** **Moderator:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**
12:40	**Morning Networking Break 2 (20mins)**

Quantum Readiness – Guest Speaker

13:00	**Guest keynote: You just cannot stop – Quantum Computing becomes a reality - What does this technological advancement mean for businesses and how can they best prepare for this new revolution?** **Speaker:** Joe Fitzsimons, Chief Executive Officer, **Horizon Quantum Computing**
13:30	**Networking Lunch**

Accelerating Your Path To Quantum Advantage

~In-depth & Interactive~

TRACK A	TRACK B	TRACK C: SYNERGY WORKSHOP
Moving Quantum From POC To Production Readiness	**Applications & Algorithms**	**Quantum 101 – Everything You Need to Know** *Small group peer to peer interactive networking*
14:30 All Star Panel: Quantum state of the industry – Where are we now, what are the challenges that still need to be overcome and how do you best prepare for a quantum future? **Speakers:** Professor Jose Ignacio Latorre, Director, Centre for Quantum Technologies and Provost's Chair Professor, **NUS** Sergio Gago, MD Quantum Computing, **Moody's Analytics** Justin Ging, Chief Product Officer, **Atom Computing** Ujjwal Kumar, Lead Architect, **Microsoft** Tommaso Demarie, Co-Founder & CEO, **Entropica Labs** atom computing **Moderator:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**	**14:30 Case Study: The effect of error correction in quantum technology - What does it mean, what stage is it in, and how can it be applied to end-user cases?** **Speaker:** Hui Khoon Ng, Associate Professor, **Yale-NUS**	**14:30 Synergy Workshop: Quantum 101 – How to get started with quantum, reap its rewards, and what to do next to keep up with the quantum race** Synergy WORKSHOP *An invaluable opportunity for you to turn theory into practice by applying your knowledge in an experienced classroom environment.* *The workshop is facilitated by a leading practitioner and is open to 25 active participants who form part of a high level brainstorm where competing ideas are put forward and the best solutions agreed upon.Contribute to a new forward-looking project and create a step-by-step action plan on how to make it work.* Paolo Cuomo, Executive Director, **Gallagher Re**
15:10 Case Study: Providing a hardware agnostic approach to quantum computing solutions Muni Vinay Kamisetty, SVP – Head of Data and Automation, **Lazada**	**14:55 Case Study: Quantum use case in cardiology** **Speaker:** Sphoorthy Nadimpalli, Data Scientist, **Paninian**	
15:30 Fireside Chat: Pioneering a viable quantum computing approach within the energy industry **Speakers:** Peter Morrison, Senior Digital Science Associate, Technology Researcher, Incubation Lead, **BP** **Moderator:** Erick Hadi, CEO, **Electronic Science Indonesia**	**15:20 Case Study Interactive: Qubit efficient quantum solutions for optimization and machine learning - Applications in real problems in financial forecasting, market research, shipping and airline industries** *In this innovative and interactive format, spend 20 minutes listening to a best-practice case study before the speaker challenges you as an audience to find a solution to one of his key unsolved challenges. You'll then engage in a small interactive roundtable discussion before each group presents its conclusions to the audience. Take away different approaches to the same challenge from your fellow industry peers!* **Speaker:** Dimitris G Angelakis, Assoc Professor, **TUC, CQT and AngelQ Quantum Computing**	
16:00 **Afternoon Networking Break**		

| TRACK A	TRACK B	TRACK C: DRILL-DOWN CHAMPAGNE ROUNDTABLES
Moving Quantum From POC To Production Readiness	**Applications & Algorithms**	**Business Use Cases & Insights From End-User Industries** *Small group peer to peer interactive networking*
16:20 **All Star Panel: Quantum Standards & Certification** – How can the industry set a global benchmark and why is it needed to provide end user confidence and quality assurance/accountability? **Speakers:** Muni Vinay Kamisetty, SVP – Head of Data and Automation, **Lazada** Hao Qin, Quantum Communication Technologist, **NUS** Dr. Hung Q. Nguyen, Principal Investigator, **Vietnam National University** **Moderator:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**	16:20 **Presentation:** Reimagining healthcare in a quantum era – Why today's research in quantum algorithms could translate into tomorrow's expanded treatment options for doctors and better outcomes for patients **Speakers:** Subhash Pandey, Quantum Researcher, **CogniFrame** 16:40 **Case Study:** The journey to achieve "Quantum readiness" within banking & finance – How quantum algorithms are driving the future of financial services **Speaker:** Paul Griffin, Associate Professor, **SMU**	16:20 **Roundtables:** Key insights and learnings from the leading industry Quantum players - Interactive discussion focusing on their roadmaps and achievements **Roundtable 1:** Use case from Telecomms Dr. Chloe Ai, Quantum Researcher, **Vodafone** **Roundtable 2:** Use case from Finance Sergio Gago, MD Quantum Computing, **Moody's Analytics** Drill-Down **ROUNDTABLES**
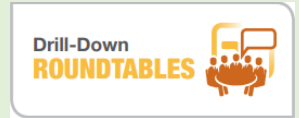
17:00	5 minutes transition time back to main plenary room

The Path To Commercialization

17:05	**Keynote Presentation:** Sequential optimisers, quantum advantage Dr Rudy Raymond, Researcher, **IBM**
17:25	**Interview: A roadmap update from India's processor provider** • What are the real-world solutions quantum can provide for enterprises? • Is the hardware there yet? • Where are we along the NISQ era? • How are these organizations working with software providers? **Speakers:** Sujoy Chakravarty, Co-Founder, **Quanfluence** **Moderator:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**
17:45	**Closing Remarks:** David Shaw, Chief Analyst, Global Quantum Intelligence, **Fact Based Insight**
17:50	**Quantum.Tech Summit APAC End Of Day One** *Time for networking drinks!*

Quantum.Tech Summit APAC 2023
Main Conference Day 2, Wednesday 5th April

8:50	**Welcome Address & Re-Cap From Day 1:** Lead Editor, Researcher & Producer, **Quantum.Tech APAC**
8:55	**Chairperson Opening Remarks:** Andre M Koning, Founder & Chairman, **OneQuantum**

Insights, Analysis and Growth

9:00	**Opening Keynote Presentation: Exploring the end goal of quantum technology - Does the industry have a collective goal, where are we moving, how do we get there, and what role does ethics play in this?** **Speakers:** Thierry Botter, Executive Director, **European Quantum Industry Consortium**
9.20	**Keynote Panel: Quantum's talent of tomorrow - How serious is the global quantum talent gap and how can you combat the skills shortage to prepare a next generation of quantum experts?** **Speakers:** Paul Griffin, Associate Professor, **SMU** Araceli Venegas-Gomez, Founder & CEO, **Qureca** Bobby Corpus, Board Member, **Department of Science & Technology Philippines** John Barnes, Founder & CEO, **Entangled Positions** **Moderator:** Christopher Bishop, Podcast Host, **Inside Quantum Technology**
10.00	**VC Fireside Chat: The investors view – What are the current opportunities and risks within the quantum computing landscape, and how to balance expectations on returns against actual investment** • Should there be a fixed/standard expected ROI on investment or is it justifiable to only invest on research at this early stage? • When can we expect a justifiable ROI on research? **Speakers:** Maynard Kang, Director, Strategic Development, **Temasek** Hsien-Hui Tong, Head of Investments, **SGInnovate** **Moderator:** Matthew Gould, Director, **Allectus Capital**
10.30	**Morning Networking Break 1 (20mins)**

Global Innovations

10.50	**Keynote Fireside Chat: How are leading global enterprises preparing for a Quantum future? What are the existing best practices in this arena and what can industry leaders do to ensure a smooth and effective implementation?** **Speakers:** Jirawat Tangpanitanon, CEO, **Quantum Technology Foundation Thailand** Arthit Vongachariya, Team leader – Digital Manufacturing, Simulation Technology, CAE and CFD Simulation, **SCG Chemicals** **Moderator:** Christopher Bishop, Podcast Host, **Inside Quantum Technology**
11.20	**Spotlight Presentation: Overcoming scaling challenges to building a fault tolerant quantum computer** Pete Shadbolt, Co-Founder and Chief Scientific Officer, **PsiQuantum**
11.40	**Case Study: Quantum Computing in Industry: From Promise to Reality** **Speaker:** Jonas Tan, APAC R&D Lead, **SoftServe**
12:00	**Morning Networking Break 2 (20mins)**

Quantum Roadmaps

12:20	**Keynote Panel: What roles can the public sector take in supporting the quantum tech industry for a country's quantum roadmap?** • Chicken or the egg discussion: what is needed first? Effective policy outlining the country's quantum roadmap, or progression in research? **Speakers:** Dr Pekka Pursula, Research Manager, Microelectronics and Quantum Technology, **VTT Technical Research Centre of Finland** Bobby Corpus, Board Member, **Department of Science & Technology Philippines** Ling Keok Tong, Executive Director, **National Quantum Office** **Moderator:** Christopher Bishop, Podcast Host, **Inside Quantum Technology**

Your Quantum Future – All Star Panel

13:00	**All-Star-Panel: The moment is now – How can you determine the best time to make your move, avoid what others have got wrong, and get internal buy-in?**

	Speakers: Paolo Cuomo, Executive Director, **Gallagher Re** Sergio Gago, MD Quantum Computing, **Moody's Analytics** Dimitris G Angelakis, Assoc Professor**, TUC, CQT and AngelQ Quantum Computing** **Moderator:** Vardaan Sahgal, Quantum Solutions Launchpad, **Womanium**
13:30	**Networking Lunch**

Embracing New Innovations

Commercial Quantum Computing

&

Secure Communications and Cryptography

14:30	**Case Study:** **Commercial quantum computing – After the latest breakthroughs are we really only 5 years away? And how to develop the processes required to take advantage** **Speaker:** *Reserved for Norma*
14:50	**14:30** **Case Study:** **Adapting cybersecurity to address the quantum threat – How to make your encryption quantum-safe now, and quantum-ready for tomorrow's threats** Dr Robert Bedington, Co-Founder & CTO, **SpeQtral**
15:10	**Panel:** **Post-quantum cryptography - Preparing our information security systems to resist quantum computing** **Speakers:** Dr. Chloe Ai, Quantum Researcher, **Vodafone** Dong-Hi Sim, Team Lead, Innovation Business Office, **SK Telecoms** Teik Guan Tan, CEO, **pQCee** Melvin Koh, Head of Sales Engineering ASEAN, **Thales** **Moderator:** Suen Whei Yeap, Project Manager, **National Quantum Computing Hub**
15:50	**Afternoon Networking Break (20 Mins)**
16:10	**14:50** **Case Study:** **The latest advances in quantum safe communications** **Speaker:** Ujjwal Kumar, Lead Architect, **Microsoft**

Shark Tank

16:30	**Shark tank:** **In this fun and dynamic format you'll hear from a panel of business executives and investors (called 'Sharks') who listen to 5-minute pitches from start-ups at the cutting edge of the quantum industry** *After each company has had the opportunity to present their business case our panel of sharks will then discuss and decide who has the leading business, product or service and will announce the winner.* **Speakers:** Sujoy Chakravarty, Co-Founder, **Quanfluence** Teik Guan Tan, CEO, **pQCee** Laurentiu Nita, CEO, **Quarks Interactive** **Judging Panel:** Maynard Kang, Director, Strategic Development, **Temasek** Matthew Gould, Director, **Allectus Capital** Eunice Ooi, CEO, **Cap Vista** **Moderator:** Christopher Bishop, Podcast Host, **Inside Quantum Technology**
17:15	**Chairperson's Closing Remarks:** Andre M Koning, Founder & Chairman, **OneQuantum**
17:20	**Quantum.Tech Summit APAC End (closing remarks)** *See you next year!*