

**Plenary Meeting
June 26, 2024**



8:00am – 9:00am: <i>Registration and continental breakfast</i>	
9:00am – 9:15am: Welcome addresses	Ghyslain Gagnon, <i>Dean of Research, ÉTS</i> Olivier Gagnon-Gordillo, <i>Exec. Director, Québec Quantique</i> Lisa Lambert, <i>CEO, Quantum Industry Canada</i>
9:15am – 9:20am: QED-C highlights	Celia Merzbacher, <i>Executive Director, QED-C</i>
9:20am – 10:10am: Brokering access to hybrid HPC-QC Systems	Moderator Nicolas Doiron-Leyraud, <i>Expert Advisor, Ministry of Economy, Innovation & Energy</i> Panelists: Marie-Eve Boulanger, <i>Program Manager, PINQ²</i> Horibe Masahiro, <i>Deputy Director, AIST/G-QuAT</i> Oliver Brown, <i>Chancellor's Fellow, EPCC</i>
10:10am – 10:30am: Trends in investment, commercialization, and ecosystems	Doug Finke, <i>Chief Content Officer, GQI</i>
10:30am – 11:00am: <i>Networking break</i>	
11:00am – 12:00pm: Quantum Marketplace [®] Live: Quantum Sensing	Moderator Mark Wippich, <i>CEO, MPW</i> Panelists Michael Larsen, <i>Physicist, Northrup Grumman</i> Brent Young, <i>President, AOSense</i> Kathy Beaudette, <i>Director of Business Devel, Castor Optics</i> Camille Georges, <i>Director of Operations, SB Quantum</i>
12:00pm – 1:00pm: <i>Lunch</i>	
1:10pm – 1:40pm: Grand challenges in coalescing quantum advantage (Quantum Applications XPRIZE)	Moderator Kate Weber, <i>Head of Governance & External Affairs, Google</i> Panelists Jim Mainard, <i>CTO and EVP, XPRIZE</i> Barry Sanders, <i>Professor, University of Calgary</i> Catherine Lefebvre, <i>Senior Advisor, GESDA</i>

1:45pm – 3:10pm: Hybrid mini-workshops	1:45pm – 2:25pm: Interactive breakouts
<ol style="list-style-type: none"> 1. Developments and trends in export control 2. The Impact of Standards on the Quantum Economy 	<ol style="list-style-type: none"> 1. Quantum communications and security 2. Roadmaps and Infrastructure--testbeds, incubators (priorities, structure, operating model) 3. Creating lasting impact through the International Year of Quantum 4. Optical frequency combs for quantum applications
	2:30pm – 3:10pm: Interactive breakouts <i>(second choice of 4 interactive sessions)</i>
3:10pm – 3:30pm: Networking break	
3:30pm – 3:45pm: Breakout debriefs	
3:45pm – 3:55pm: Global Landscape of National Quantum Programs	Johnny Kung, <i>Manager, Research and Foresight, CIFAR</i>
3:55pm – 4:50pm: Panel: National strategies and their implementations	Chair: Madison Rilling, <i>Executive Director, Optonique Canada</i> Canada: Martin Laforest, <i>Managing Partner, Quantacet</i> Germany: Klaus Schindel, <i>Science Chancellor, Embassy of Germany to Canada</i> Japan: Horibe Masahiro, <i>Deputy Director, AIST</i> U.S.: Brad Blakestad, <i>Deputy Director, NQCO, OSTP</i>
4:50pm – 5:00pm: State of affairs in Québec	Olivier Gagnon-Gordillo, <i>Exec. Director, Québec Quantique</i>
5:00pm: Adjourn	Jonathan Felbinger, <i>Deputy Director, QED-C</i>
5:30pm – 7:30pm: Reception	

June 27, 2024

QED-C

8:00am – 9:00am: <i>Continental breakfast</i>	
9:00am – 9:05am: Welcome back	Jonathan Felbinger, <i>Deputy Director, QED-C</i>
9:05am – 10:20am: Control and readout electronics R&D program review <i>High Density RF Interconnect Development for Room Temp Control Readout Electronics</i> <i>Densely integrated cryogenic device interposers for scalable quantum computing</i> <i>Cryogenic switches for high-precision millikelvin calibration and high-throughput testing</i> <i>On-chip Thermometry for Quantum Hardware Development</i> <i>High Density Integrated RF Electronics</i>	Owen Barthelmes, <i>Director of Engineering, Amphenol RF</i> Kyle Thompson, <i>Founder and CEO, Maybell Quantum</i> Adam Sirois, <i>Postdoctoral Researcher, NIST</i> Ella Lachman, <i>Senior Quantum Materials R&D Engineer, Rigetti</i> Marc Smith, <i>General Manager, XMA</i>
10:20am – 10:40am: Color center quantum technologies: opportunities and challenges	Lilian Childress, <i>Lead Quantum Scientist, SB Quantum</i>
10:40am – 11:00am: <i>Networking break</i>	
11:00am – 11:20am: ERVA: Engineering scalable, deployable, cost-effective quantum systems	Edl Schamiloglu, <i>Professor, University of New Mexico</i>
11:20am – 11:40am: Quantum Potential - Strategies for stimulating the Responsible Adoption of Quantum Technologies	Christian Sarra-Bournet, <i>Executive Director, Institut Quantique</i>
11:40am – 12:00pm: QED-C business update	Celia Merzbacher, <i>Executive Director, QED-C</i>
12:00pm: Adjourn	
12:00pm – 2:00pm: <i>Lunch on own</i>	
2:00pm – 3:30pm: Panel: Supply Chain Pain Points and the Economic Impact of Standards (Optional)	Moderator: Austin S. Lin, <i>Sr. Technical Program Manager, Google</i> Panelists: Yoann Jestin, <i>CEO and Co-Founder, Ki3 Photonics</i> Michel Pioro-Ladrière, <i>Director of Partnerships & Strategy, Nord Quantique</i> Sauli Sinisalo, <i>VP & General Manager, Bluefors</i>
2:00pm – 3:30pm: Roundtable on coordination across regional ecosystems (By invite only) Tours of Anyon and Calcul Québec (registration is required)	

Program Collaborators

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June 28, 2024

QED-C

7:30am – 6:00pm: Tours of Quebec quantum, photonics, and semiconductor innovation zones in Bromont (C2MI) and Sherbrooke (Registration is required)

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