

CASCADIA INNOVATION CORRIDOR

INVENTING
TOMORROW
TOGETHER



Transformative Technology Committee

Co-Chairs: Edo De Martin, Director, Microsoft Vancouver &
Michael Schutzler, CEO, Washington Technology Industry Association

Committee Members:

Edoardo De Martin	BC	General Manager, Microsoft Vancouver
Michael Schutzler	WA	CEO, Washington Technology Industry Association
Dan Burgar	BC	VR/AR Industry Leader, Community Builder, Connector, Advisor
Landon Downs	BC	Co-Founder & President, 1QBit
Lawrence Lerner	WA	Venture Partner, Denny Hill Capital
Olivia Norton	BC	Co-Founder, CTO, Sanctuary.ai
Ray Walia	BC	CEO, Launch Ventures
Joseph Williams	WA	Seattle Director, Pacific Northwest National Laboratory
Arry Yu	WA	Managing Director, Cascadia Blockchain Council

Action Plan:

1. List & briefly explain your committee's 1-3 "Big Ideas":

The Transformational Technology committee is exploring the application of two technologies that have the potential to further shape the region as a global leader. They are:

- Blockchain – There is a striving community of start-ups in our region doing groundbreaking work. North America on the whole is perceived as lagging behind other regions in Blockchain, but we see the Cascadia Innovation Corridor taking a global leadership role in launching critical applications, attracting global partners, and deploying private and public investment. The opportunities for transformative innovation are enormous. For example, Cascadia can become a Switzerland of the 21st century for cryptocurrencies by combining private investment and public policy. Additionally, Cascadia can become the global hub for supply chain management expertise by combining university research and private investment. We will work together to expand the opportunity for development of these and other application of blockchain functionality.
- Quantum – There is a tremendous amount of successful collaboration already happening in our region. We see potential for this region to be a world leader in the next wave of computing. Our committee will drive awareness and educate investors and government officials on the power of quantum computing.

As quantum computing revolutionizes data processing and data analytics, Cascadia will leverage our collective capabilities to become one of the global centers for quantum innovation.

2. Describe the context in which your Big Ideas will be implemented (current state of the industry, challenges being faced by organizations, how our region currently operates in this field, etc.)

- Blockchain is benefiting from the work already being done by the Washington Technology Industry Association in forming a coalition of companies from Portland to Seattle to Vancouver. The WTIA will provide the platform on which we can build a larger more powerful coalition of companies, educational institutions, and government agencies. Venture funds and developers focusing on blockchain expansion already fuel a vibrant blockchain ecosystem in the Cascadia Region. Together, we will support their efforts, remove road blocks to continued acceleration and open up new pathways for exploration.
- Quantum – In March, the University of Washington, the Pacific Northwest National Laboratory and Microsoft Quantum created a new coalition to bring about a revolution in quantum research and technology. The Northwest Quantum Nexus is a cross-border collaboration between more than ten organizations that will develop a quantum-fluent workforce and economy in the PNW by accelerating research, technological development, education and training. The region has two decades of investment in the quantum industry which has positioned it to be the epicenter for global development at this critical juncture.

3. Briefly describe how the realization of your ideas would impact life in Cascadia:

Blockchain already is used by hundreds of companies to address the need for secure digital identity management, secure supply chain management, improved banking efficiencies, and electronic medical record access. One example CIC project could include BC, Oregon, and Washington State jointly developing a system that tracks and reports carbon emissions to model the impact of a credit or tax policy for the betterment of the environment in the region. Another example CIC project could include BC, OR, and WA jointly developing a global cryptocurrency exchange platform, driving new financial services and technology to launch in the region which will create high-wage jobs and lift the economy for all residents.

Computational power drives innovation. The ability to analyze more data, leverage algorithms and explore theoretical models hinges on it. We need to move faster. Quantum computing will help us advance every area of digital transformation. Taking health care as an example, Dr. Sohrab Shaw and the team at BC Cancer have been able to advance data analysis using machine learning and cloud computing, getting results in days, instead of months. The research they're doing will result in new treatments for cancer patients and has the potential to save lives. It is not an exaggeration to say that the quantum revolution will touch virtually every aspect of life and public policy in Cascadia.

4. What major milestone can be accomplished by 2021 and announced/recognized at the centennial celebration of the Peace Arch? What interim milestones must be reached between now and 2021?

Milestone	Description/notes	Timeline
Build Awareness	<ul style="list-style-type: none"> • Support the creation of a quantum association in British Columbia. • Grow opportunities for people to meet up and share experiences on both sides of the border, including the establishment of a new chapter of Decentralized for blockchain enthusiasts. 	Ongoing
Connect Associations	<ul style="list-style-type: none"> • Leverage the new Northwest Quantum Nexus, a cross-border collaboration between more than ten organizations that will develop a quantum-fluent workforce and economy in the PNW by accelerating research, technological development, education and training. • Establish a cross border Blockchain Steering Committee to advance adoption across Cascadia. 	Ongoing
Create spaces for thought leadership and business connection	<ul style="list-style-type: none"> • Support and extend the reach of existing conferences, such as Traction, an annual event that brings actionable strategies & tactics for supercharging growth • Generate new conversations around the application of and opportunities for extended realities through the 2019 VR/AR Global Summit in Vancouver and a new Washington conference in 2020. 	Ongoing
Announcement	<ul style="list-style-type: none"> • As a result of efforts over previous years, the committee will share details of a significant cross-border initiative. 	Fall 2021 (Peace Arch Celebration)
Pursue a vision for the future	<ul style="list-style-type: none"> • The Cascadia Innovation Corridor will home to a globally recognized cryptocurrency exchange. • Cascadia delivers world-leading supply chain management technology. • Cascadia launches a global data analytics platform using Quantum Computing to accurately predict weather systems, storm surges, and other disruptive impacts from global warming. 	2035