



**CIO Strategy Council Meeting
AGENDA**

May 27, 2019
10:30am – 4:00pm

Westin Hotel
11 Colonel By Drive • Ottawa, ON • K1N 9H4

Meeting Room: Governor General III Ballroom

Monday May 27 th	
10:30am - 10:45am	Welcome and roundtable introductions Keith Jansa, Executive Director, CIO Strategy Council
10:45am - 12:00pm	Addressing the Cyber Challenge for Critical Infrastructure <i>Digital technologies are increasingly under threat from cyber adversaries. This session will explore the current approach to cybersecurity in addressing industrial applications. In highlighting current gaps, our speakers will recommend areas where the CIO Strategy Council and its Members can enhance standards for the protection of Canada's critical infrastructure.</i> Speakers: <ul style="list-style-type: none">▪ Michèle Mullen, Director General, Partnerships and Risk Mitigation, Canadian Centre for Cyber Security▪ John Weight, National Technology Officer, Microsoft Canada▪ Richard Wunderlich, Director, Smart Grid Initiatives, Siemens Canada▪ Altaz Valani, Research Director, Security Compass
12:00pm - 1:15pm	The Skills Necessary in the 4th Industrial Revolution. <i>Looking for talent in cyber, AI or data analytics? This session will explore what it takes to ensure the skills in our workforce match the future of work and will provide an update on the CIO Strategy Council's Work-Integrated Learning Steering Committee activities.</i> Speakers: <ul style="list-style-type: none">▪ Jocelyn Bérard, National Practice Leader, Leadership Assessment and Development, Optimum Talent▪ Andrea Ross, Former Dev Degree Senior Lead at Shopify▪ Val Walker, Executive Director, Business Higher Education Roundtable▪ Madi Murariu, VP Strategic Initiatives and Partnerships, CIO Strategy Council



1:15pm - 2:00pm	<p><u>Working Lunch</u></p> <p>Canada's Digital Exchange Platform: Use Case for Verifying Income for Mortgage Applications</p> <p><i>This session will explore a use case in how leveraging Canada's Digital Exchange Platform for verifying income will enhance service delivery to individuals applying for mortgages.</i></p> <p><i>Presenter: David Bruyey, SVP, CISO and CSO, CIBC</i></p>
2:00pm – 3:30pm	<p>Moving Ahead with a 21st Century Digital Strategy</p> <p><i>Competing in the global economy increasingly depends on the ability to use intellectual property and standards to create room to operate. This session will provide an update on the significant progress being made by the CIO Strategy Council in setting strategic standards for data governance, AI ethics, cybersecurity, IoT and digital ID, and what Canadian companies can do to compete in an exceedingly digital economy.</i></p> <p><i>CIO Strategy Council Standards Setting Update: Data Governance, AI Ethics, Cybersecurity, IoT and Digital ID</i></p> <p><i>Presenter: Keith Jansa, Executive Director, CIO Strategy Council</i></p> <p><i>Canada's Economic Strategy Tables and What it Means for Big Data and Standards</i></p> <p><i>Presenter: Michel Girard, Senior Fellow, Centre for International Governance Innovation</i></p> <p><i>Setting Standards to Create a Federated Approach to Digital Identity for Blood Donors</i></p> <p><i>Presenter: Ralph Michaelis, Chief Information Officer, Canadian Blood Services</i></p> <p><i>Intellectual Property and Standards</i></p> <p><i>Presenter: Jim Hinton, Owner and Founder, Own Innovation</i></p>
3:30pm - 4:00pm	<p>Government of Canada Advisory Council on Artificial Intelligence</p> <p><i>The Government of Canada's Advisory Council on Artificial Intelligence aims to highlight the necessary condition for Canada to leverage AI technologies for economic benefits while ensuring they are grounded in core Canadian values including human rights, inclusiveness, diversity and innovation. This session will explore the Advisory Council's mandate and the role of the CIO Strategy Council.</i></p> <p><i>Presenter: Samuel Marleau Ouellet, Director, Innovation, Science and Economic Development</i></p>
4:00 pm	<p>Wrap Up and Adjournment</p> <p><i>Keith Jansa, Executive Director, CIO Strategy Council</i></p>



Guest Speakers



**Michèle Mullen, Director General, Partnerships and Risk Mitigation,
Canadian Centre for Cyber Security**

Michèle is the Director General of Partnerships and Risk Mitigation at the Canadian Centre for Cyber Security. The Partnerships and Risk Mitigation directorate is responsible for providing IT security advice, guidance and services to Canadian critical infrastructure organizations and for advancing collaborative relationships with private industry to strengthen cyber security practices in Canada.

She was previously the Executive Director of the Canadian Committee on National Security Systems (CCNSS) and External Compliance. The Canadian Committee on National Security Systems ensures that CSE's IT Security authorities are executed and complied with externally across the Government of Canada as well as managing and implementing the risk and compliance framework for Canada's National Security Systems.

Michèle was appointed Director of the Canadian Special Liaison Office in Washington DC in April 2015. She represented the Communications Security Establishment as the Senior Canadian at the National Security Agency and US Cyber Command. She also represented CSE at the Embassy of Canada as an integral part of the Canadian Security & Intelligence Community abroad, and represented Canada's cryptologic mission with the US Intelligence Community.

Michèle was previously the Director, Architecture and Technology Assurance in the IT Security Branch at CSE, and prior to that she served as Director, Program Management in the Chief Information Officer Branch at CSE.

Before arriving at CSE, Michèle served for three years as Director, Governance Operations in the Government Operations Sector (GOS) of the Treasury Board Secretariat, where she oversaw the corporate planning and appropriations processes for the federal Crown corporations. This role was preceded by five years of consulting work as an IT executive in the private sector. Michèle began her career as a logistics officer in the Canadian Forces, as an Air Transportation and Movements Specialist, and was awarded the Canadian Forces Decoration (CD) in 1999.



Richard Wunderlich, Director, Smart Grid Initiatives, Siemens

Richard Wunderlich has been with Siemens since 1988 and heads a technology agnostic consultancy in the operating company called Smart Infrastructure.

Richard and the consultancy are focused on the contributions that Siemens can provide to the sector through secure transformation of Energy and Industry.

Since joining Siemens, Richard's roles have included various industry sectors and a posting in Germany. He has held responsibilities that include Canada, North American and global and noteworthy for this group, program management in the CIO office of Siemens Canada.

He has been focused on the energy sector since 2005 and has over the past few years enable various product developments and launched various new lines of business. This includes Critical Infrastructure Protection for Energy and Industry for Cyber Physical Systems.

Richard's perspectives on integrated processes, supply chain and customer service provide fresh approaches to address the requirements of a smart and secure world.



Jocelyn Bérard, National Practice Leader, Leadership Assessment and Development, Optimum Talent

Jocelyn has extensive Canadian and international experience in the areas of human resources and business management in Europe, North America, the Middle East and Asia, in a variety of industries such as telecommunications, auto manufacturing, health care, government, retail, aerospace and banking.

His interventions focus on Talent Management, especially in the area of leadership assessment and development, performance management, succession management and selection best practices.

Fluently bilingual in French and English, Jocelyn holds undergraduate degrees in Psychology and Human Resources, a Master Degree in Industrial/Organizational Psychology and an Executive MBA.

Jocelyn's book, titled "Accelerating Leadership Development", was published by Wiley and focuses on leadership assessment, leadership development and succession management.



Andrea Ross, Former Dev Degree Senior Lead at Shopify

Andrea Ross has been working in software engineering teams for more than 25 years including senior roles at Nortel, Shopify, and others.

She has won awards as a software architect, software developer, educator, and technology leader. Andrea has developed innovative technology solutions in Telecom, Healthcare, Education, Geospatial, Government, Not-for-profits, and more.

She has been an active educator for much of her career, teaching at multiple universities, and teaching/mentoring as part of many industry apprenticeship programs.



Val Walker, Executive Director, Business/Higher Education Roundtable

Val Walker leads the Business/Higher Education Roundtable (BHER). Made up of the heads of Canadian companies, universities and colleges, BHER works to support young Canadians as they transition from education to the workplace, strengthen research collaboration between industry and institutions, and help Canadian employers and workers as they adapt to the economy of the future.

Beyond this work, Val consults and advises government officials, academics and private sector leaders on changing trends in training and skill development and speaks regularly on innovation and talent.

Prior to taking over BHER, Val was the Director of Policy at Mitacs. She holds a PhD from McGill University and is an alumna of the Government of Canada's Recruitment of Policy Leaders Program.



Michel Girard, Senior Fellow, Centre for International Governance Innovation

Michel Girard's work at CIGI relates to standards for big data and artificial intelligence (AI). His research strives to drive a dialogue on what standards are and why they matter in emerging sectors of the economy.

In addition to his work at CIGI, Michel provides standardization advice to help innovative companies in their efforts to access international markets. He contributes to the CIO Strategy Council's standardization activities and was recently appointed to the International Electro Technical Commission's Market Strategy Board, which develops and maintains more than 10,000 international standards for electrical and electronic technologies.

Michel has 22 years of experience as an executive in the public and not-for-profit sectors. Prior to joining CIGI, Michel was vice president, strategy at the Standards Council of Canada (SCC) where he worked from 2009 to 2018. At the SCC, he led the design and implementation of the Standards and Innovation program, the Climate Ready infrastructure program, the Northern Infrastructure Standards Initiative and the Monitoring Standards in Canadian Regulations initiative. He managed the negotiation of standardization clauses in trade agreements including the Comprehensive Economic and Trade Agreement and the Canadian Free Trade Agreement. Previously, he was director of the Ottawa office at the Canadian Standards Association, director of international affairs at Environment Canada, corporate secretary at Agriculture Canada and acting director of education and compliance at the Canadian Environmental Assessment Agency. He holds a Ph.D. and a master's degree in history from the University of Ottawa.



James W. Hinton, Owner and Founder, Own Innovation

James Hinton is the founder of Own Innovation and a proud supporter of Canadian technology companies. In addition to being an IP lawyer, he is both a patent and trademark agent before the Canadian IP Office, and works directly for Canadian companies with the US Patent and Trademark Office.

He is also a fellow at the Centre for International Governance Innovation, where he studies IP and innovation policy. Jim also has a background in mechanical engineering, and worked in heavy truck manufacturing and fiberglass project management, before law school. Additionally, he has a Bachelor of Engineering from McMaster University (Go Marauders!) and a Juris Doctor from the University of Toronto.



Jim loves to talk about IP – he is an assistant professor at Western University where he teaches engineers all about IP. He's also a huge advocate of pro bono (free!) legal services and work with entrepreneurs locally and nationally at incubators and accelerators on IP and IP strategy. Finally, he works closely with the Council of Canadian Innovators on Canada's Innovation initiatives and Canada's national IP strategy.

Samuel Marleau Ouellet, Director, Innovation, Science and Economic Development

Samuel Marleau Ouellet is the Director of Innovation, Science and Economic Development's AI Hub. Prior, he was the Manager of trade policy unit at ISED (2017-2018) and senior industry analyst, with a focus on the food processing industry (2015-2017). He was also a senior trade policy analyst and negotiator at Global Affairs Canada (2011-2015). Samuel graduated with a Ph.D. in Business Administration from HEC Montreal and a M.A. in Political Thought from Ottawa University. His research interests are in internationalization strategies and cultural management. Before joining the Canadian federal public service, he served as a political advisor in the government of the Province of Quebec.