

# PST2022 – Cybersecurity Industry Summit Program

07:45-08:30	<b>Registration, Networking, &amp; Breakfast</b>	
08:30-08:45	<b>Welcoming Remarks by</b> <ul style="list-style-type: none"> <li>• Dr. Ali Ghorbani, Conference General Chair</li> <li>• The Honourable Bill Hogan, Minister of Public Safety</li> <li>• Dr. Paul Mazerolle, University of New Brunswick President, and Vice Chancellor</li> </ul>	
08:45-09:10	<b>Addressing Cybercrime in Canada through Law Enforcement collaboration, innovation, and partnerships</b>  Combatting cybercrime in 2022 and beyond requires unprecedented levels of law enforcement collaboration and pursuing innovative ways to reduce the impact on Canadian individuals, businesses, and organizations. Chris Lynam, who leads both the National Cybercrime Centre (NC3), and Canadian Anti-Fraud Centre (CAFC) will outline how these organizations are working with a range of partners and developing innovative approaches to enable Canadian law enforcement to tackle this ubiquitous threat.	Chris Lynam, Director General National Cybercrime Coordination Unit, RCMP
09:10-09:35	TBD	Andrew Easton, Assistant Deputy Minister of Justice & Public Safety, Province of New Brunswick
09:35-10:00	<b>The Road to 5G – Partnership &amp; Collaboration</b>  5G is here. Enabling faster connectivity speeds, lower latency and greater bandwidth, it's sparked the evolution of smart cities, e-sports, and augmented reality. With that comes rapid increases in complexity, scalability and a new generation of cyber security threats. Leading the forefront of 5G in Canada requires a robust 5G ecosystem that brings research, academia, government and the world's leading technology partners together from coast to coast.	Greg Murray, SVP Information Security & CISO, Rogers Communications
10:00-10:25	<b>From Sea to Sea: Mobilizing to Address Canada's Cybersecurity Needs</b>  The Mastercard network handles billions in commerce every day, making it a vital part of the global economy. As such, cybersecurity is paramount, and failure is not an option. Canada is key to these efforts; Mastercard has established a global Intelligence and Cyber Centre of Excellence in Vancouver and is forging partnerships throughout the country to address labour force needs and improve cyber awareness in the digital economy, across Canada and around the world.	Jennifer Sloan, Vice President Public Policy, Mastercard Canada

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10:25-10:35	Nutrition Break	
10:35-11:00	<p><b>Thinking Broadly About Privacy, Security and Trust in a Connected World</b></p> <p>Privacy, security and trust continues to play a critical role in traditional industry use cases such as banking but as our communities, our world and our universe become more connected bigger and broader thinking is needed. An expanded conversation about challenges and solutions in non-traditional use cases will provide insight to opportunities for new and existing technologies, applications and collaborations in an increasingly connected world.</p>	Dr. Joel Martin, Chief Digital Research Officer, National Research Council
11:00-11:25	<p><b>Confidence in AI systems -- Can we trust AI-based systems?</b></p> <p>AI-based systems have demonstrated impressive levels of effectiveness across a variety of application domains. As more and more applications come to rely on AI, we face the question of how to assess and improve the trustworthiness of AI-based systems in the presence of possible adversarial behaviour by some entities in those systems. In this talk, I will first give an overview of security and privacy considerations in AI-based systems, then give an overview of one such concern, ML model extraction, and finally, time permitting, discuss the challenges in simultaneously protecting against multiple ML security and privacy threats.</p>	Dr. N. Asokan, David R. Cheriton Chair in Software Systems, University of Waterloo
11:25-11:50	<p><b>Supply Chain Risk – The weakest link</b></p> <p>As the threat landscape continues to evolve, defending your networks may not be sufficient, as bad actors turn attention to our less-visible partners. Having a robust approach to managing supply chain risk is crucial for companies and organizations in today's interconnected and outsourced economy. Learn how Bell, Canada's largest communications company, frames the problem and manages supply chain risk.</p>	Rod Hynes, Director Information Security, Bell Canada Enterprise
11:50-12:15	<p><b>Enabling a Secure and Digital Canada</b></p> <p>The cyber threat landscape is rapidly evolving and over the past few years we have seen the rise in cyber threat activity from cybercriminals and state-sponsored actors. Please join Rajiv Gupta, Associate Head of the Canadian Centre for Cyber Security where he will discuss the threat landscape in Canada, and what we can do together to enhance cyber resilience to enable a secure digital Canada.</p>	Rajiv Gupta, Associate Head, Canadian Centre for Cyber Security

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12:25-13:00	Lunch and Poster Session	
13:00-13:25	<p><b>Prioritizing Risk to Mitigate Attacks on Public Cloud Deployed Workloads</b></p> <p>Discussion around mitigation of attack paths have changed in cloud deployed workloads. Examples to show evaluating risk by potential data exposure, not just by vulnerability using identity and lateral movement as the primary defensive control.</p>	Sandy Bird, Co-founder & Chief Technology Officer, Sonrai Security
13:25-13:50	<p><b>The cyber-resilience imperative: recent trends and future needs</b></p> <p>This presentation will discuss why the current threat landscape calls for a rethinking of conventional cybersecurity paradigms to build more cyber-resilient systems and organizations. After having reviewed the fundamental differences between cybersecurity and cyber-resilience, I will examine the current state of adversarial innovation, the fragile posture of Canadian businesses, emerging cyber-resilience standards and regulations, platforms that enable the operationalization of cyber-resilience, and organizational biases that hinder cyber-resilience.</p>	Dr. Benoît Dupont, Canada Research Chair in Cybersecurity, Université de Montréal
13:50-14:50	<p><b>Panel Discussion: Delivering on the Cybersecurity Talent Challenge</b></p> <p>Almost all industries are struggling with a shortage of talent to meet demand; one of the larger gaps is in Cybersecurity. We are experiencing growing threats and breaches. Not surprisingly, boards and executives consider Cyber to be a #1 risk to their respective firms. Recent studies have estimated the current gap to be approximately 60,000 unfilled open positions in the United States and 2,200 in Ontario. Solving this gap will take coordinated efforts from all participants in the ecosystem: industry, government, education, and everything in between.</p> <p>This panel will bring to life the challenges, some success stories where progress is being made, remaining gaps in our future, and what more needs to be done collectively to meet these challenges.</p>	<p>Jeff Henderson (Chair), EVP &amp; CIO (Retired) TD Bank</p> <p>Adrienne O'Pray, Executive Director The McKenna Institute</p> <p>Elaine Hum, Cybersecurity Partnerships Director, Scotiabank</p> <p>Gregg Murray, SVP Information Security &amp; CISO, Rogers Communications</p> <p>Hugh Hicks, Talent and Partnership Development Manager, Canadian Institute for Cybersecurity</p> <p>Jane Rooney, Director Cyber Certification, Technology &amp; Talent, Innovation, Science &amp; Economic Development Canada</p>

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14:50-15:00	Nutrition Break	
15:00-15:25	<p><b>Ahead of the Curve: Building on Canada’s Trust Advantage</b></p> <p>For many years, Canada has cemented its position on the global stage as a leader in governance, privacy, and trust. With the onset of the COVID pandemic, Canada has emerged as one of few jurisdictions with the provenance to combine its governance, rule of law, diversity, and technology to create a foundation for technologically consistent trust platforms that allow for the effective linking, connecting, analysis and securitization of data ecosystems.</p>	Bill Tam, Co-founder & Chief Operating Officer, Digital Technology Supercluster
15:25-15:50	<p><b>Practical lessons from Zero Trust adoption</b></p> <p>Zero trust is no longer a buzzword but a reality for many organizations modernizing Security as cyber threats continue to rise with increasing attack surface and evolving threat landscape. Zero trust is not just a product but a set of principles that require a holistic approach for adoption. In this session, we will discuss zero-trust client adoption patterns and share blueprints and best practices based on several deployments.</p>	Dr. Sridhar Muppidi, IBM Fellow & Chief Technology Officer, IBM Security
15:50-16:15	<p><b>Recent Evolutions in Open Security</b></p> <p>Since PST 2021, a number of high-impact changes have occurred in the landscape of Open Security. Join us as we explore recent innovations from entities such as Splunk, AWS, the Open Cybersecurity Alliance, and the Open Network User Group, and more, as we explore how the “power of the crowd” is helping shift the balance of power back to the cybersecurity defender.</p>	Jason Keirstead, Chief Technology Officer, IBM Security Threat Management

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16:15-16:50	<p><b>CyberSecure Canada Certification Program</b> by Jane Rooney The Government has made significant investments in helping Canadian SMEs enhance their cyber posture including through Innovation, Science and Economic Development Canada’s (ISED) CyberSecure Canada certification program and its complementary e-learning series. CyberSecure Canada aims to raise the cyber security baseline among Canadian small and medium-sized enterprises (SMEs), increase consumer confidence in the digital economy, promote international standardization and better position SMEs to compete globally. This session will discuss the importance of adopting cyber security measures and potential impacts of weak cyber security posture and provide details about the CyberSecure Canada program that can help SMEs protect themselves from cyber threats.</p> <p><b>Cyber Security Innovation Network Program Objectives</b> by Hamza Khan Demands on the digital economy continue to rapidly grow, and cyber security is an ever-increasing concern for Canadians and Canadian businesses. ISED’s Cyber Security Innovation Network (CSIN) program is investing in a national collaborative cyber security network of academic and industry partners that will enhance cyber security R&amp;D, increase commercialization, and develop skilled talent. This session will discuss the CSIN program’s objectives to position Canada as a global leader in cyber security.</p>	<p>Jane Rooney, Director Cyber Certification, Technology &amp; Talent, Innovation, Science &amp; Economic Development Canada</p> <p>&amp; Hamza Khan, Manager, Innovation, Science &amp; Economic Development Canada</p>
16:50-17:05	<p><b>Capstone Project Presentations</b> Master of Applied Cybersecurity, University of New Brunswick</p>	<p>Griffin Higgins &amp; Michal Widomski</p>
17:05-18:00	<p><b>Closing Remarks &amp; Reception</b></p>	