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The Conference Board of Canada
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Conference

Cyber Security: Proactive Defence of Critical Systems and Information

Wednesday, November 5, and
Thursday, November 6, 2008
Hilton Lac-Leamy • Gatineau

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Benefit from the experts' insights into the current and emerging cyber security threats and the latest strategies to defend against them.

Learn about solutions for your greatest cyber security threats.

Cyber communications and information delivery has become essential to the operation of every public and private sector organization. This dependency also brings with it unprecedented vulnerabilities. The challenge is to protect against the broad and evolving spectrum of security threats, while protecting the privacy of citizens and businesses.

Participate in this collaboration between commercial, telecommunication, infrastructure, government, and security leaders to assess the threats and identify prevention and protection strategies.

Consult the public and private sector experts on today's top cyber security issues, including:

- Identifying cyber vulnerabilities and threats
- Responding to a cyber attack on infrastructure
- Reconciling cyber privacy with security globally
- A partnership model for effective industry, government and security collaboration
- The role, responsibilities, and actions required of each level of government
- Cyber security strategies—what works now and what's coming
- Utilizing a proactive defence strategy in extra-territorial attacks
- Recognizing and preventing the latest in database theft, 'malware' 'botnets' 'phishing', money laundering, and system hacking
- Intellectual property espionage

The conference focuses on the full spectrum of cyber vulnerabilities and the latest prevention strategies from domestic, international, and sector perspectives, including financial, telecom, critical infrastructure, and law enforcement. Pressing cyber security policy issues will also be assessed, including privacy, consumers' right to know, lawful access, and the need for proactive defences to ensure operational resiliency.

Learn from the international cyber attack experts.

Don't miss the unique analysis of the cyber attack on Estonia, and find out how NATO is responding to its cyber security issues. The conference will also include assessments of current and anticipated cyber vulnerabilities and the latest protection strategies from leading government and industry officials.

Participate in the concurrent security solutions exhibition.

The security exhibition features solution providers displaying their latest ideas and technology to enhance cyber security. Participate in the exhibition and capitalize on this unparalleled opportunity to discuss your solutions with senior public and private sector end-users.

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Program

Day 1 Wednesday, November 5, 2008

8:00 a.m. Registration and Continental Breakfast

8:30 a.m. Opening Remarks from the Chair
Susheel Gupta

Susheel Gupta has extensive experience in cyber security issues from a regulatory and enforcement perspective.

8:45 a.m. Opening Keynote Address
Canada's Cyber Security Issues—What's Here and What's Coming
John Adams, Chief, Communications Security Establishment Canada

John Adams has a wealth of experience dealing with Canada's cyber security issues, and is ideally suited to provide an insider's perspective on current and potential cyber security challenges.

9:30 a.m. Plenary Session 1
External Cyber Attacks on Government and Infrastructure Operations
Moderator
Maj.-Gen. Clive Addy (ret'd), Chair, National Security Group

Panelists
Lauri Almann, Undersecretary of Defence, Republic of Estonia, Estonia
Kurtis Simpson, Acting Director, Policy and Programs, Chief of Defence Intelligence, National Defence Canada

The panel will examine the 2007 infrastructure cyber attacks on Estonia, including their experience with detection, response options, and system resiliency. The panel will also explore NATO's ongoing response to its cyber security issues, focusing on the growing risks of external cyber attack as identified in the United States, United Kingdom, France, Germany, Belgium, and India.

10:30 a.m. Networking Break

11:00 a.m. Plenary Session 2
A Review of U.S. Cyber Security Issues
Moderator
Dave McMahon, Director, National Security Strategy, Bell Security Solutions

Panelists
Edward Amoroso, Senior Vice-President and Chief Security Officer, AT&T Inc., United States
Greg Garcia, Assistant Secretary, Cyber Security and Communications, Department of Homeland Security, United States
Scott O'Neal, Chief, Computer Intrusion Section, FBI Cyber Division, United States

The U.S. perspective will be presented by this panel of experts, with a special focus on external threats and the need for a global, proactive cyber defence strategy.

12:00 p.m. Luncheon and Keynote Presentation
What does Governance have to do with Cyber Security?
Paul Zonneveld, Partner, Deloitte & Touche LLP

For the past ten years, Paul Zonneveld has been working with companies in the Energy and Utilities sector helping assess cyber security risks and implementing solutions to protect them. Based on his experience, Paul will outline why "Governance" is a key success factor in establishing an effective Cyber Security program.

1:30 p.m. Plenary Session 3
The Government-Industry and Security Partnership
Moderator
Phil Murray, Commissioner (ret'd), Royal Canadian Mounted Police and Vice-Chair, Strategy, National Security Group

Panelists
Bob Gordon, Head, National Cyber Security Strategy Initiatives, Public Safety Canada
Tyson Macaulay, Director, Security Solutions, Bell Canada
James A. Robbins, President, EWA-Canada Ltd.

Senior representatives from government, industry, and the telecommunications sector will explore the contentious issues of public-private sector cyber security collaboration, including whether or not the current relationship works, and what improvements can be made and by whom to increase efficiency and effectiveness.

2:30 p.m. Refreshment Break

2:45 p.m. Plenary Session 4
Protecting Against Cyber Money Laundering and Data Theft

Moderator
John MacLaughlan, Assistant Commissioner, Royal Canadian Mounted Police

Panelists
Nathalie Clark, General Counsel and Corporate Secretary, Canadian Bankers' Association
Garry Clement, Managing Director, IPSA International

International organized crime and terrorist fundraising through global cyber financial networks has vaulted anti money laundering strategies to the top of the cyber

security issues list. The panel will discuss what's working, what's not, and what needs to be done to protect citizens, businesses, government, and the financial sector.

3:45 p.m. Plenary Session 5
Cyber Security Issues for Critical Infrastructure Operators

Moderator

John D. Neily, President, JD Neily Consulting Ltd.

Panelists

David Dunn, Manager, Information Security, Independent Electricity System Operator (IESO)

Mark Fabro, President and Chief Security Scientist, Lofty Perch Inc.

Adam St. John, Intelligence Analyst, Integrated Threat Assessment Centre (ITAC)

From SCADA (Supervisory Control And Data Acquisition) systems to data protection and resiliency to malware, the panel will explore the current and anticipated threats, and prevention and recovery strategies and technologies to ensure business resiliency.

4:45 p.m. Networking Reception

Meet the conference faculty and fellow delegates, and discuss the day's sessions and your common cyber security issues.

Day 2 Thursday, November 6, 2008

8:00 a.m. Continental Breakfast

8:30 a.m. Opening Remarks from the Chair

8:45 a.m. Keynote Address

Focusing on the Cyber User as a Cyber Security Strategy

Dean Turner, Director, Global Intelligence Network, Symantec

Dean Turner will provide an up-date on the top online security threats, and will describe a defensive strategy that focuses on the customer's essential role in cyber security. Dean's expertise ranges from operations and network security to incident analysis. He oversees the security intelligence data Symantec collects from its products and services, and is the Executive Editor of Symantec's Internet Security Threat Report.

9:30 a.m. Plenary Session 6
Fighting Cyber Fraud and Business Loss

Moderator

Garry Clement, Managing Director, IPSA International

Panelists

Michael D'Sa, Senior Manager, Data Security and Investigations, Visa Canada

Victor Garcia, Chief Technology Director, Hewlett-Packard (Canada) Co.

Frédéric Gaudreau, Officer in Charge, Cyber Crime Unit, Sureté du Québec

The panel will review the scope and ramifications of current commercial cyber vulnerabilities, including espionage, data theft, and fraud, and will identify technological and enforcement strategies to overcome them.

10:30 a.m. Networking Break

11:00 a.m. Plenary Session 7
Cyber Security Law Enforcement and Lawful Access

Moderator

Paul Gillespie, Cyber Crime Director In Residence, University of Ontario Institute of Technology

Panelists

Kate Lines, Chief Superintendent, Ontario Provincial Police

Donald K. Piragoff, Senior Assistant Deputy Minister, Policy Sector, Justice Canada

Vincent Westwick, General Counsel, Ottawa Police Service

This law enforcement panel features the leading protagonists in the 'lawful access' debate who will consider potential resolutions for this sensitive issue. The panel will also delve into current commercial practices and government policies, and how they impact law enforcement's ability to fight growing cyber crime in Canada, including child exploitation and 'phishing' fraud.

12:15 p.m. Luncheon and Keynote Presentation
Balancing Privacy with Cyber Security

Jennifer Stoddart, Privacy Commissioner of Canada, Office of the Privacy Commissioner of Canada

Canadians have demonstrated a willingness to conduct a great deal of their personal and business affairs online. At the same time, the public has also shown great concern for the use and security of their personal information. Canada's Privacy Commissioner will discuss this dichotomy as she explains the nature of growing cyber privacy threats.

1:45 p.m. Plenary Session 8
Protecting Consumer Privacy and the Right to Know

Moderator

Gary Ellis, President, Gary Ellis Consulting Group Inc., and Director, International Police Training, KINSA

Panelists

Bruce Cowper, Chief Security Officer, Microsoft Canada Co.

David Gollob, Senior Vice-President, Public Affairs and Communications, Canadian Newspaper Association

Philippa Lawson, Director, Canadian Internet Policy and Public Interest Clinic (CIPPIC), University of Ottawa

Richard Simpson, Director General, Electronic Commerce Branch, Industry Canada

The panel will focus on consumer interests, including the right to have others not know (privacy) about private cyber communications, and the user's and public's right to know when personal data has been hacked or otherwise compromised. The full spectrum of issues for consumers, media, industry, and government will be considered by the panelists.

3:00 p.m. Refreshment Break

3:15 p.m. Plenary Session 9
Proactive Cyber Security Defense in-Depth

Moderator

Susheel Gupta

Panelists

Chris Gray, Senior Policy Analyst, The Canadian Chamber of Commerce

Dave McMahon, Director, National Security Strategy Bell Security Solutions

Capt. Nicholas Scheurkogel, Office of the Chief of Intelligence, National Defence Canada

Bruce Rogerson, Assistant Commissioner, Technical Operations, Royal Canadian Mounted Police

The conference's concluding panel will present a challenging assessment of the cyber security technical and policy challenges that lie ahead, and potential strategies to overcome them. Security, government, critical infrastructure, and telecom perspectives will be discussed in this extended session, and the experts will address delegates' comments, questions, and suggestions.

4:30 p.m. Closing Remarks from the Chair
Susheel Gupta

4:45 p.m. Conference Adjourns

Network with infrastructure security leaders from across Canada.

This conference will be of particular interest to senior public and private sector executives responsible for security and privacy, including:

- Security, IT, risk management, and privacy experts in the telecommunications, retail, commercial, security, and security technology sectors
- Infrastructure operators and senior security and IT managers
- Senior military, law enforcement, and intelligence officials with cyber crime and cyber security responsibilities
- Federal and provincial Deputy Ministers and Assistant Deputy Ministers, and senior infrastructure, privacy, emergency response and national security personnel
- Foreign Affairs officials with responsibilities for enforcement of international agreements
- Municipal leaders and senior managers involved in communications and information security
- Cyber security technology providers and security solution integrators
- Internet, information, privacy, security and criminal justice academics and media
- Heads of business, security, and law enforcement associations

ADVISORY BOARD

The Conference Board of Canada would like to acknowledge the contribution of the following individuals and their organizations to the development of this event:

Maj.-Gen. Clive Addy (ret'd)

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Royal Canadian Mounted Police*

Garry Clement

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