Cybersecurity in Higher Education: Preparing and Improving to Mitigate Risk
A workshop presented by CAUBO and CUCCIO

November 27-28, 2019
Salon Crescent
Hotel Le Crystal, 1100 Rue de la Montagne, Montreal, QC

AGENDA

Building on the success and content of the 2017 CAUBO – CUCCIO Cyber Security Report (Cyber Security in a University Setting), this workshop will focus on activities required to assess and improve our individual and collective cybersecurity posture.

DAY ONE
Wednesday, November 27, 2019

7:45 am - 8:15 am Continental Breakfast

8:15 am - 8:30 am Welcome and Opening Comments
Brian Stewart, Deputy CIO, University of Alberta
Gayle Gorrill, Vice-President, Finance and Operations, University of Victoria

8:30 am - 9:15 am The Cybersecurity Threat Landscape: What’s New
Attendees will be provided with an overview of the current but ever-changing threat landscape in Canada and more specifically the threats affecting the higher education sector.

Ian Speigel, Manager Cyber Assessments, Canadian Centre for Cyber-security

9:15 am - 10:15 Measuring Preparedness
This session will provide an overview of the work underway in the sector to better measure and understand both organizational and sectoral preparedness, and outline how well we are currently doing in this regard based on survey results. Because everything that matters can’t be measured, speakers will also address aspects of preparedness that cannot be tracked by surveys. Participants will be provided the opportunity to ask questions about the tools and data currently being collected and the results to-date.

Panelists:
Brian Lesser, CIO, Ryerson University
Brian Stewart, Deputy CIO, University of Alberta
10:15 am - 10:30 am  Refreshment Break

10:30 am - 11:15 am  Measuring Preparedness – what are we missing?
This session will explore the following questions:
• Where are the gaps in the data, the tools or other areas?
• What SHOULD be measured and how?
• What are the challenges in collecting and using (good) data? (e.g. staff and skills to understand and act on the data?)
• Who should receive the data? What should they receive?

11:15 am - 12:30 pm  Enhancing Preparedness – Collaboration
Participants will be provided an overview of the collaborative initiatives and information sharing activities currently in place at the provincial/regional and national levels and how they integrate to support the sector’s overall level of preparedness. Panelists will provide their perspectives on initiatives that institutions should carry out individually and those that are best achieved through collaborative initiatives as a sector.

Moderator:
Peter Wilenius, Vice President, Business Development, CANARIE

Panelists:
Barb Carra, CEO, Cybera
Bo Wandschneider, CIO, University of Toronto
Mark Wolff, Chief Technology Officer, CANARIE

12:30 pm - 1:30 pm  Lunch Break and Small Group Discussions

1:30 pm - 1:45 pm  Large Group Debrief
What should individual institutions be doing individually and what could we be doing as a sector?

1:45 pm - 2:45 pm  Enhancing Preparedness – Information Sharing
This session will discuss the barriers to information sharing among Canadian institutions and propose key principles for adoption by the sector. How can we share in ways that do not impact privileged information? What are the boundaries of open communication?

Panelists:
Dan Elves, Information and Privacy Officer, University of Winnipeg
Art Exner, Associate Vice-president (Information Services), University of Regina
Dan J. Michaluk, Privacy and Data Security Law Attorney, Hicks Morley

2:45 pm - 3:00 pm  Refreshment Break

3:00 pm - 4:00 pm  Enhancing Preparedness: Policies and the Control Environment
This session will address how institutions can enhance preparedness through policies and the control environment, including but not limited to mandatory training programs, requirements such as 2FA programs, travel-related policies, etc.

Panelists:
Nav Bassi, Director, Academic and Administrative Services for University Systems and Acting CISO, University of Victoria
Trevor Poffenroth, Director, IT, University of Calgary
4:00 pm - 4:30 pm  **Enhancing Preparedness: Addressing the barriers**  
This session will explore the following questions:

- How do you engage the internal community, in particular students and faculty?
- How do you reconcile the culture of openness vs. the need for privacy and security?
- What levers can you use (e.g. repercussions of non-compliance) to increase compliance and accountability in both centralized and decentralized environments?
- Senior leadership engagement – do you have it? Can you succeed without it?
- How do you ensure/pursue compliance in the academy?

4:30 pm  
**Adjournment of Day 1**

---

**DAY TWO**

**Thursday, November 28, 2019**

8:15 am - 8:45 am  **Continental Breakfast**

8:45 am - 9:00 am  **Welcome and Opening Comments**

**Nathalie Laporte**, Executive Director, CAUBO

9:00 am - 10:15 am  **Reporting Progress**

*How do you demonstrate progress to your Board without going too deep into operational or tactical considerations? At what level should they be engaged? This session will provide an overview of the approaches taken by institutions.*

**Panelists:**

**Linda Dalgetty**, Vice-president (Finance and Services), University of Calgary  
**Gayle Gorrill**, Vice-president Finance and Operations, University of Victoria

10:15 am - 10:30 am  **Refreshment Break**

10:30 am - 11:45 am  **Mitigating Losses**

*This session will include an overview of the cyber security insurance landscape. Who is insured and for what? What are the necessary conditions to get insurance? How do insurance companies view the risk profile of institutions? Insights and lessons learned by institutions that have submitted cybersecurity insurance claims will also be shared.*

**Panelists:**

**Ruby Rai**, Cyber Practice Leader, Marsh Canada Ltd.  
**Janet G.M. Stein**, Director, Risk Management & Insurance, University of Calgary

11:45 am - 12:15 pm  **Reflections: Insights and Main Takeaways from Workshop**

**Brian Stewart**, Deputy CIO, University of Alberta  
**Gayle Gorrill**, Vice-President, Finance and Operations, University of Victoria

12:15 pm  
**Adjournment**