

WHAT YOU DON'T KNOW  
MAY BYTE YOU!

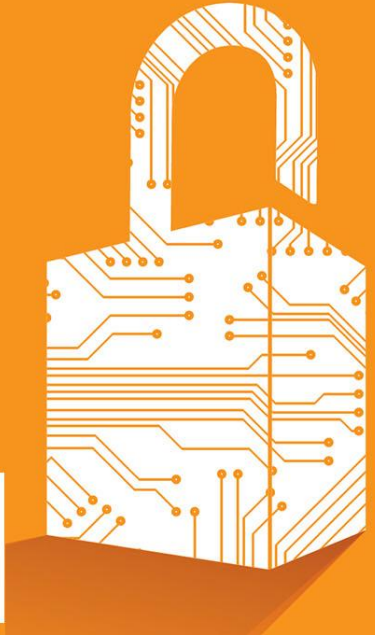


# NABA SYMPOSIUM

CYBER SECURITY IN BROADCAST MEDIA  
THURSDAY, DECEMBER 1, 2016

HOSTED BY: **NBCUniversal**

30 Rockefeller Plaza - 11th Floor East, Conference Room 11A  
New York, NY 10112



Thursday, December 1, 2016

**08:00** Security Check @ Guest Reception in lobby of 30 Rock Plaza  
Registration Desk Open | Coffee and Light Breakfast | Foyer of Conference Room 11A

**09:00** **1.0 Opening Remarks**

- John Lee, Executive Director, Technology Solutions, CBC/Radio-Canada | Chair, NABA-Technical Committee
- Michael McEwen, Director-General, NABA
- Ian Trombley, President, Operations & Technical Services, NBCUniversal

**09:30** **2.0 Keynote: "What does the Media/Cyber Environment Look Like Now and In the Future"**

The security challenges the media industry faces in an IP production/distribution world, including a look at the entire ecosystem.

- Mark Lobel, Principal, PwC

**09:45** **3.0 What Happened and What was Learned**

What we need to know and what I, as a broadcaster, should be doing.

Moderator: Michel Arredondo, Director, Information Security, Technology Solutions, CBC/Radio-Canada

- Shawn Henry, President, CrowdStrike
- Alexis Renard, Technical Assistant Director, TV5
- Rick Howard, Chief Information Security Officer (CISO), Palo Alto Networks
- Nadav Zafir, CEO, Team8
- Wendy Frank, Principal, Cybersecurity, Privacy and Risk Practice, PwC

**10:45** **Coffee & Conversation**

**11:15** **4.0 Common Issues Facing Media/Content Companies**

Common infrastructures, common vulnerabilities, common threats, and ever increasing convergence of technologies lead to shared issues. How unique business tackle these issues can be shared without breaching due care concerns of a business. This session will share some lessons learned, best practices, and mechanisms for mutual support in this ever increasingly risky world we operate.

Moderator: Mike Higgins, VP & CISO, NBCUniversal

- Vivek Khindria, Director, Information Security, Bell Media
- Michel Arredondo, Director, Information Security, Technology Solutions, CBC/Radio-Canada
- Jason Cain, Executive Director, Cyber Security, Fox
- Joel Molinoff, CISO, CBS
- Stephen Fridakis, CISO, HBO
- Jaspal Jandu, Head, Security, ITV

**12:30 5.0 What Are Our Supply Chain Risks in both Content and Distribution?**

The speed and the growing number of internal and external parties involved in the creation and distribution of content have increased the complexity of the supply chain. The protection of the supply chain requires visibility into all the stages of content development, marketing, and distribution of final products. Without this visibility, it is challenging to integrate necessary protections efficiently and consistently. Protection is further complicated by the diversity of content types. This panel will discuss these strategic challenges that security professionals face as they work to secure the content supply chain.

Moderator: Ali Waezzadah, VP, Information Security, CBS

- Yee-chen Tjie, Senior Solutions Engineer, Google Cloud
- Rob Fry, Sr. Security Architect, Netflix
- Steve Plunkett, CTO, Broadcast & Media Services, Ericsson
- Bill Wishon, Architect, Media Office of the CTO, Akamai
- Adam Goldberg, Principal, AGP, LLC

**13:30 Deli lunch provided**

**14:30 6.0 Remarks by Rob Silvers, Assistant Secretary, Cyber Policy, Department of Homeland Security**

**14:45 7.0 Is There Room for Global/Regional Sharing and Cooperation?**

Cyber attacks don't respect national boundaries and can originate anywhere and manifest themselves anywhere. Broadcasters around the world are increasingly organizing themselves to secure their operations and mitigate against these attacks. A number of Cyber Security Working Groups and Committees have sprung up in Europe and North America and are under discussion in other parts of the world. How can we best cooperate, share our experiences and develop a Global approach?

Moderator: Simon Fell, Director, Technology & Innovation, EBU

- Denis Onuoha, CISO, Arqiva | Chair, Cyber Security Working Group, Association of International Broadcasters (AIB)
- Andreas Schneider, CISO, SRG SSR | Chair, Media Cyber Security Committee, EBU
- Kelly Williams, Senior Director, Engineering & Technology Policy, NAB
- Mark Harrison, Managing Director, Digital Production Partnership (DPP)

**15:45 Coffee & Conversation**

**16:00 8.0 What Do Vendors Think and Can We Find Common Solutions to Common Problems**

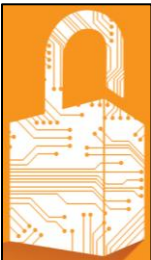
Roundtable discussion that looks at cyber security from a media vendor's perspective and how they can work with the media industry in finding solutions for common issues. What are the things that we know now?

Moderator: John Lee, Executive Director, Technology Solutions, CBC/Radio-Canada | Chair, NABA-Technical Committee

- Dany Harrison, Director, Strategic Solutions, Global Presales, Global Center of Excellence, Avid
- Eric Fankhauser, VP, Advanced Product Development, Evertz
- John Mailhot, System Architect, IP Convergence, Imagine Communications
- Ann Johnson, VP, Enterprise Cyber Security Group, Microsoft Enterprise & Partner Group
- John Stewart, Sr. VP, Chief Security and Trust Officer, CISCO

**17:00 9.0 Closing Remarks**

- Michael McEwen, Director-General, NABA



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