

MEDIA CYBERSECURITY SEMINAR

AN EBU EVENT

SHAPING A MORE SECURE MEDIA INDUSTRY



PROGRAMME

TUESDAY 12 OCTOBER 2021 (10:00 – 18:00 CET)

10:00 – 10:10 **Welcome & Introduction**

Antonio Arcidiacono (EBU),
Hans Hoffmann (EBU)

KEYNOTE SESSION

10:10 – 10:40 **Cybersecurity: Human-centric reporting & the risks for journalists to be targeted**

Stéphane Duguin (CyberPeace Institute)

SESSION 1: CYBERSECURITY THREATS IN 2021

MODERATOR: RAINER JOCHEM (SR, MCS CHAIR)

10:40 – 11:10 **Cybersecurity threats to public service media in 2021**

Gerben Dierick (VRT)

11:10 – 11:40 **Hacking humans: the social media threat**

Social media are an invaluable resource to journalists, but they're also a significant threat. This session will examine how social media and publicly available sources have been used to gather information about targets and facilitate attacks on them and their families.

Martin Turner (Full FrameTech)

11:40 – 12:10 **Ransomware attacks in 2021**

Don Smith (Secureworks)

12:10 – 12:40 **Modern standards keep us connected!**

To keep the internet open, free and secure we need to adopt modern internet standards. They safeguard our connections, our privacy and our information and are needed for transparent use of the internet.

Gerben Klein Baltink (Internet.nl)

12:40 – 13:30

– Lunch break –

KEYNOTE SESSION

13:30 – 14:00 **Adventures in Securing High-Risk People**

Newsrooms have security requirements not seen in other departments. What are they? How do we learn about them? How do we address them? This keynote will share adventures in securing high-risk people, including building the newsroom security program at The New York Times.

Runa Sandvik (Security Researcher)

SESSION 2: MEDIA PROJECTS AND SECURITY

MODERATOR: GERBEN DIERICK (VRT)

14:00 – 14:25 **BBC Information Security Knowledge Graph**

A quick overview on the BBC Information Security team's approach to capture the semantics and idiosyncrasies of a 100 year organisation into a working set of definitions of entities and their properties into a model that allows us to support of a dynamic and efficient risk management process.

Bruno Garrancho (BBC)

14:25 – 14:50 **Securing SRT live streams**

Stefan Ringhoffer (SWR)
Suso Carrillo (SRT Alliance)

14:50 – 15:15 **Cybersecurity in sport events: the Euro 2020**

The challenges around making the Euro 2020 secure, impacts of new production workflows on the broadcast network security, risks in infrastructure that include remote production, operators working from home, and multinational venues, plus an outlook on what's next.

Gafanesch Vincent (UEFA)
Geoffrey Crespin (EVS)

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15:15 – 15:40 **Cybersecurity at CBC/Radio Canada's new broadcast facilities**

Philippe Edmond, Francois Legrand
(CBC/Radio Canada)

15:40 – 16:00

– Break –

SESSION 3: MEDIA SYSTEM VULNERABILITIES

MODERATOR: GERBEN DIERICK (VRT)

16:00 – 16:30

Hacking broadcast systems

Linus Neumann (Consultant & Hacker)

Broadcast Technology relies more and more on IT systems. This transition results in a fundamental change in protection goals and how to achieve them. While stability and availability remain the primary protection goals, the way to achieve them is fundamentally different in a digital infrastructure. Sadly, today's broadcast systems and infrastructures do not reflect this: They are easy to breach, because they rely on outdated security assumptions. In this presentation, we will investigate the most common shortcomings and how to avoid them.

16:30 – 17:00

Cybersecurity test campaign on smart TV receivers

Alex Buchan (SafeShark)

17:00 – 17:30

SMPTE ST 2110 Security and What standards organizations are doing

Leigh Whitcomb (Imagine Communications)

Securing SMPTE ST 2110 systems is becoming an important issue. Many users and equipment vendors do not know where to start. To assist, standards and related organizations such as SMPTE, JT-NM, AMWA, and the EBU are working on specific parts of the security challenge. This presentation summarizes the ongoing work in the different organizations.

17:30 – 18:00

ROUNDTABLE: IP connected devices – how do we make the pyramid green?

Félix Poulin (CBC/Radio Canada),
Peter Brightwell (BBC),
Willem Vermost (VRT),
Brad Gilmer (Gilmer & Associates),
Leigh Whitcomb (Imagine Communications),
Gerben Dierick (VRT)

18:00

– End of Day 1 –

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WEDNESDAY 13 OCTOBER 2021 (10:00 – 17:45 CET)

SESSION 4: SECURITY AWARENESS

MODERATOR: RAINER JOCHEM (SR, MCS CHAIR)

10:00 – 10:30	Digital Target Hardening How my team apply 'Digital Target Hardening' to enhance the safety of individuals at risk from digital threat actors. This is achieved through leveraging wider information security tools as well as the application of specific tools and techniques.	Mike Bond (BBC)
10:30 – 11:00	Executive awareness of cybersecurity How to create, build and operate a successful top-down cybersecurity strategy. The presentation will provide you with key insight about how a cybersecurity strategy should be built, what would be the key drivers and how to get strong support from the executives	Fabrice Guye (ELCA)
11:00 – 11:30	The security awareness programme at SRG	Mona Brunner (SRG)
11:30 – 11:50	– Break –	

SESSION 5: EU REGULATION UPDATES

MODERATOR: RAINER JOCHEM (SR, MCS CHAIR)

11:50 – 12:10	Cybersecurity regulation in the EU: new NIS2 Directive	Ausra Semeniene (EBU L&P)
12:10 – 12:20	The road to getting vital	Dennis 't Jong (NPO)
12:20 – 12:50	GDPR and CLOUD Act: possible approaches for assurance and compliance The invalidation of the Privacy Shield alongside the approval from the US government of the CLOUD Act has created several concerns within the cloud market. European cloud users are unclear on what risks they face when using the leading cloud services providers. Is there a compliance risk vis-a-vis the GDPR? Are there risks for the confidentiality of their data? Are there risks for their reputation? In this presentation, Daniele Catteddu, Chief Technology Officer at the Cloud Security Alliance (CSA), will provide an overview of the problem at stake and propose some possible compliance and technical solutions to continue an organization's transition to a cloud environment securely.	Daniele Catteddu (CSA)
12:50 – 14:00	– Lunch Break –	

KEYNOTE SESSION

14:00 – 14:30	A pragmatic approach to DevSecOps	Cindi Carter (Check Point Software Technologies)
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SESSION 6: CYBERSECURITY LATEST PRACTICES

MODERATOR: LUCILLE VERBAERE (EBU)

14:30 – 14:55	Next-gen risk management	Marina Krotofil (Maersk)
14:55 – 15:20	Microsoft's security portfolio: overview and feedback Nowadays, Microsoft is one of the top leaders in the cybersecurity market, investing billions dollars in this field every year. Marketing aside, during this	Benoit Ramillon (UEFA)

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presentation, we will go through a quick overview about Microsoft's security solutions and share our field experience. Pros and cons will be exposed, benefits will be presented, and the real challenges behind the scenes, especially when migrating from a multi-vendors based security stack to a consolidated approach using Microsoft, will be explained.

15.20 – 15.45	The secure credentials-sharing utopia	Marco Bellaccini (RAI)
Credentials should not be shared between different users. Still, sometimes, password sharing is necessary: how can we do it right? There are many Password Managers that include functionalities for secure password sharing. However, there's no one-size-fits-all solution. We'll talk about Password Managers Pros and Cons, ways to share passwords with guests and we'll have a sneak peek at HW-tokens, FIDO2 and password-less solutions.		
15.45 – 16.00	– Break –	
16.00 – 16.25	Fighting against piracy, from production to distribution	Ilker Uergenc (Akamai)
16.25 – 16.50	Developing secure apps	David Brumley (ForAllSecure)
16:50 – 17:15	Defending against the ransomware threat	Andrew Sands (BBC)
Ransomware is currently on the top of media company lists of cybersecurity concerns. This session will consider some practical control steps in each of the 5 NIST Cybersecurity framework domains (Identify, Protect, Detect, Respond, Recover) to help mitigate ransomware risks to your organisation.		

CLOSING SESSION

17:15 – 17:45	ROUNDTABLE: The cybersecurity outlook for 2022	Rainer Jochem (SR, MCS Chair)
17:45	– End of Day 2 and MCS 2021 –	