

NETWORK TECHNOLOGY SEMINAR

AN EBU EVENT

YOUR NETWORKED MEDIA & IT RENDEZ-VOUS

YOUR NETWORKED MEDIA & IT RENDEZVOUS

PROGRAMME

TUESDAY 18 JUNE - MODERATED BY PHIL TUDOR (BBC)

08.30 – 09:00 *Registration, tea, coffee, demos & networking*

KEYNOTE SESSION

09:00 – 09:05	Welcome to NTS 2019	Antonio Arcidiacono (EBU)
09:05 – 09:10	The New Workplan of EBU T&I	Hans Hoffmann (EBU)
09:10 – 09:20	The IP Production Landscape	Phil Tudor (BBC)
09:20 – 09:50	Business Requirements in these disruptive times	Mathias Coinchon (RTS)
09:50 – 10:20	Building cloud infrastructure	Thierry Carrez (Openstack)
10:20 – 10:30	Demo Pitches	
10:30 – 11:00	<i>Tea, Coffee, Demos & Networking</i>	

SESSION 1: NEW WAYS OF WORKING

11:00 – 11:30	Automating low cost/high quality orchestra production	David Chalmers (BBC)
11:30 – 12:00	Live Radio production in the Cloud	Mikko Nevalainen (YLE)
12:00 – 12:30	IP Based MCR at Kosovo	Genc Mucolli (RTKLive)
12:30 – 13:30	<i>Buffet Lunch, Demos & Networking</i>	

SESSION 2: MEDIA TRANSPORT

13:30 – 14:00	Streaming over WAN - RIST and SRT	Love Thyresson (Netinsight)
14:00 – 14:30	What about SMPTE ST 2110 over WAN?	Andy Rayner (Nevion)
14:30 – 15:00	ARD HYBNET III OTN-based Broadcast Network	Sonja Langhans (IRT) & Sven Thomas (Vodafone)
15:00 – 15:30	SMPTE ST 2110-22 using JPEG-XS	Antonin Descampe (Intopix)
15:30 – 16:00	<i>Tea, Coffee, Demos & Networking</i>	

SESSION 3: USE CASES

16:00 – 16:30	Completing BBC Cardiff, starting BBC Belfast facilities	Mark Patrick (BBC)
16:30 – 17:00	Software IP production at RTBF	Hugo Ortiz (RTBF)
17:00 – 17:30	Plazamedia – IP SDN for new broadcast facilities	Andy Rayner (Nevion)
17:30 – 18:00	YLE radio towards IP platform based on AES67	Veli-Matti Jarvelainen (YLE)
18:00 – 20:00	<i>Beers, Bites, Demos & Networking</i>	

NETWORK TECHNOLOGY SEMINAR

AN EBU EVENT

YOUR NETWORKED MEDIA & IT RENDEZ-VOUS

YOUR NETWORKED MEDIA & IT RENDEZVOUS

WEDNESDAY 19 JUNE - MODERATED BY MARKUS BERG (IRT)

08.30 – 09:00 *Tea, Coffee, Demos & Networking*

TUTORIALS – DESIGN PATTERNS

09:00 – 09:50	Tutorial A Architecting Redundant PTP Deployments Louis Lamarre (CBC)	Tutorial B Network Design / Orchestration / Automation Gerard Phillips (Arista)
09:50 – 10:00	<i>Tea, Coffee, Demos & Networking</i>	
10:00 – 10:50	Tutorial C Network security for broadcast equipment Mike Ellis (BBC)	Tutorial D The journey towards cloud and open infrastructure Ildiko Vanska (Openstack)
10:50 – 11:00	<i>Tea, Coffee, Demos & Networking</i>	
11:00 – 11:50	Tutorial E 5G for Public Service Media Roland Beutler (SWR)	Tutorial F Patterns of cloud infrastructure on premise Peter Brightwell (BBC)
11:50 – 13:30	<i>Buffet Lunch, Demos & Networking</i>	

SESSION 4: TECHNOLOGY PYRAMID FOR MEDIA NODES

13:30 – 14:00	EBU Tech 3371 – JT-NM TR-1001-1:2018 - PYRAMID	Willem Vermost & Ievgen Kostiukevych (EBU)
14:00 – 14:30	Control & Monitoring at SRF/tpc, Zürich	Sandro Furter (TPC)
14:30 – 15:00	Securing the control-plane with AMWA BCP-003	Arne Bönninghoff (Riedel)
15:00 – 15:30	<i>Tea, Coffee, Demos & Networking</i>	

SESSION 5: USE CASES

15:30 – 16:00	OB in a Box	Adam Dean (BBC)
16:00 – 16:30	Åre FIS Alpine World Ski Championship - Sustainable remote production reducing the ecological footprint	Larissa Görner (GrassValley)
16:30 – 17:00	A virtualised control room? Proof of concept 2018	Edmond Debar (FTV)
17:00 – 17:30	Wrap-Up	Willem Vermost (EBU)

NTS 2019 – YOUR MEDIA & IT RENDEZVOUS

DEMONSTRATIONS

DEMONSTRATION TRACK

Production Workflow – Mezzanine Based Production

1	OpenHeadend	Demonstrating reliable streaming with SRT and RIST
2	intoPIX	Demonstrating live ST 2110-22 video using real time JPEG-XS compression

Infrastructure 1: Orchestration, Control and Security

3	Nevion / RTS	Demonstrating VideoPath orchestration deployed at RTS POC lab
4	Riedel / Skyline	Demonstrating Reiedel control solution using NMOS IS-07 and Dataminer
5	SDNSquare	Demonstrating Network Orchestration and Flow Management

Infrastructure 2: Monitoring and Measuring

5	EBU LIST	Demonstrating Live IP measurements assisted with NMOS IS-04
6	Mellanox	Demonstrating ST 2110 streams generated in a virtual machine using Rivermax