

NETWORK TECHNOLOGY SEMINAR 2015

YOUR MEDIA & IT RENDEZVOUS

TUESDAY 23 JUNE

08:30 – 09:00 **Registration**

SESSION 1: KEYNOTE

09:00 – 09:15	Welcome to NTS 2015	Hans Hoffmann Félix Poulin	EBU
09:15 – 10:00	Migrating live production to IP	Chuck Meyer	Grass Valley
10:00 – 10:15	Demo pitches -Remote production -Robust IP -Hitless switching with IP -Continuation of service over unmanaged IP	Larissa Goerner Steve Saleski Hiro Niwa Adi Rozenberg	Net Insight Zixi NTT Video-flow
10:15 – 10:45	<i>Tea, coffee, demos & networking</i>		

SESSION 2: MOVING TO NETWORKED MEDIA

CHAIR: PHIL TUDOR, BBC

10:45 – 11:00	Towards a common architecture	Phil Tudor	BBC
11:00 – 12:15	PANEL: How do you do networked media and how could you do interoperable network media? Broadcaster and vendor perspectives followed by Q&A.	Hasse Wessman Christian Adell Jan Eveleens Stefan Ledergerber Thomas Kernen	SR CCMA Axon Lawo Cisco
12:15 – 12:30	Demo pitches -VRT Sandbox+ -Live IP -Converged media IP network -Mobile newsgathering	Koen Meyskens Karel de Bondt Lieven Vermaele Peter Natowicz	VRT VRT SDNSquare AVGROUP
12:30 – 13:30	<i>Buffet lunch & demos</i>		

SESSION 3: IN THE STUDIO AND BEYOND

CHAIR: MARKUS BERG, IRT

13:30 – 14:00	The audio factory	Robert Shield	BBC
14:00 – 14:30	IP Studio technology and use cases	Peter Brightwell	BBC
14:30 – 15:00	Remote Production - Experience at the FIS Nordic World Ski Championship	Larissa Goerner Antoine Niedbalski	Net Insight SRG/SSR
15:00 – 15:30	<i>Tea, coffee, demos & networking</i>		

SESSION 4: LONG DISTANCE CALLS

CHAIR: YUAN-XING ZHENG, BBC

15:30 – 16:00	The state of JPEG 2K interoperability And status of VSF Technical Rec. 01	Yuan-Xing Zheng Inge Hillestad	BBC VSF/Nevion
16:00 – 16:30	SDN for media and broadcast	John Ellerton Paul Gunning	BT
16:30 – 17:00	Next Generation Services	Puiu Dolea	Eurovision
17:00 – 18:30	<i>Drinks, snacks & networking</i>		

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SESSION 5: TUTORIALS

09:00 – 10:00	Group A Broadcast media requirements for IT Tutor: Georges Bery, Eurovision	Group B Network fundamentals for media broadcasters Tutor: Andreas Hildebrand, ALCNetworX	Group C SIP infrastructure for ACIP Tutors: Sonja Langhans, IRT and Måns Nilsson, SR
10:00 – 10:15	<i>Tea, coffee, demos & networking</i>		
10:15 – 11:15	Group A Time, Sync and PTP networks Tutors: Yuan-Xing Zheng and John Fletcher, BBC; Nikolaus Kerö, Oregano Systems	Group B Broadcast-quality video transport over IP Tutor: Kieran Kunhya, Open Broadcast Systems	Group C OPUS audio codec Tutor: Thomas Nixon and Andrew Mason, BBC; Christofer Bustad and Paul Nygren, SR
11:15 – 11:30	<i>Tea, coffee, demos & networking</i>		
11:30 – 12:30	Group A Time, Sync and PTP networks (rerun) Tutors: Yuan-Xing Zheng and John Fletcher, BBC; Nikolaus Kerö, Oregano Systems	Group B How does a network switch work for media? Tutor: Gerben Dierick, VRT	Group C UHD in production infrastructure Tutor: Hans Hoffmann, EBU and Thomas Kernen, Cisco
12:30 – 14:00	<i>Seated lunch</i>		

SESSION 6: SECURE YOUR NETWORK

CHAIR: SONJA LANGHANS, IRT

14:00 – 14:30	The importance of strong security	Andreas Schneider	SRG
14:30 – 15:00	DDoS attacks and mitigation techniques	Jeroen Zwarts	NPO
15:00 – 15:30	<i>Tea, coffee, demos & networking</i>		

SESSION 7: OPENING TO THE FUTURE

CHAIR: FELIX POULIN, EBU

15:30 – 16:00	Future optical networks	Chris Chambers Adam Funnell	BBC UCL
16:00 – 16:30	Autonomic networking – The self-managing network	Michael Behringer	Cisco
16:30 – 17:00	Wrap-up	Felix Poulin	EBU