

# NETWORK TECHNOLOGY SEMINAR 2014

THE MEDIA & IT RENDEZVOUS

## TUESDAY 24 JUNE

09.00 Registration

### INTRODUCTION

09.30 **Welcome to NTS 2014** Hans Hoffmann, EBU

09.40 **Back to the IT Studio** Felix Poulin, EBU  
*A view of the future and the steps to get there*

10.00 **Demo Pitches** Participants from Solution Demos  
*What will you see*

10.30-11.00 *Tea, coffee, demos & networking*

### NEW STUDIOS

PHIL TUDOR, BBC

11.00 **Virtually On-Air** Geoff Woolf, BBC  
*Case study*

11.30 **Changes in the Control Room** François Legrand, CBC/Radio-Canada  
*Reconfigurable and automated workflows*

12.00 **Low Bandwidth Remote Production** Paul Calleja, Eurovision

12.30-13.30 *Buffet lunch & demos*

### TECHNO IN THE STUDIO

SONJA LANGHANS, IRT

13.30 **The Challenges of IP Production** Jan Weigner, Cinegy  
*And how new Standards can help us overcome them*

14.00 **Time & Sync over Networks** Thomas Kernen, Cisco  
*Overview of the current technology proposals*

14.30 **Audio over IP – New AES 67** Mark Yonge, AES  
*The new AES/EBU in the network era?*

15.00 **Panel Discussion** Moderator: Hans Hoffmann, EBU  
*Users' needs vs Industry's solutions* Participants from Solution Demos

15.30-16.00 *Tea, coffee, demos & networking*

### TUTORIALS

16:00-18:00 **A. Time Sensitive Networks (or AVB)** Jan Eveleens, Axon  
*Theory, practice and test results* Thomas Riedel, Christian Diehl, Riedel  
Markus Berg, Franz Baumann, IRT

**B. Software Defined Networking** Uwe Dahlmann, Tallac Networks  
*And how it can address production use cases*

**C. Multichannel Audio over IP** Mark Yonge, AES  
*AES67 in use* Andreas Hilderband, ALC NetworX

18.00-19.30 *Drinks, snacks & networking*

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## WEDNESDAY 25 JUNE

### CONTRIBUTION

MARKUS BERG, IRT

9.00	<b>ITV X-Net</b> <i>A next-generation national IP broadcast contribution network</i>	John Ellerton, BT Andy Rayner, Nevia
9.30	<b>Contribution vans @VRT news</b>	Kevin Moolenschot, VRT
10.00	<b>Moving to Ka-Band</b> <i>For IP satellite contribution</i>	David Chalmers, BBC
10.30-11.00	<i>Tea, coffee, demos &amp; networking</i>	
11.00	<b>AoIP with QoS over standard VDSL</b> <i>Goodbye ISDN!</i>	Ward De Cooman, VRT

### STORAGE

CHRIS CHAMBERS, BBC

11.30	<b>Media Storage Demands</b> <i>New EBU Tech 3359</i>	Ivar Poijes, SR
12.00	<b>The enabling role of the Storage infrastructure</b> <i>The T3 project</i>	Nicola Minnaia, RAI
12.30-14.00	<i>Seated lunch</i>	

### NETWORK TECHNIQUES

YUAN-XING ZHENG, BBC

14.00	<b>Aggregating bandwidth with Multipath TCP</b> <i>Speeding up file based contribution by combining Wifi, cellular data, satellite and more</i>	Niels Laukens, VRT
14.30	<b>MPLS as deployed for Broadcast</b>	Emanuel Etienne, BT Måns Nilsson, SR
15.15	<b>What does SDN mean for Production and Media?</b>	David Butler, BBC

### OPENING ON THE FUTURE

15.45	<b>Physics Computing at CERN</b> <i>Lessons from 15 years of the Large Hadron Collider</i>	Tony Cass, CERN
16.15-16.30	<b>Wrap-up &amp; Closure</b>	Félix Poulin, EBU