

PROGRAMME

TUESDAY 29 JANUARY 2019

08.30–09:00 *Registration & Coffee*

KEYNOTE SESSION

09:00–09:10	Welcome to EBU PTS 2019	Antonio Arcidiacono & Hans Hoffmann (EBU)
09:10–09:40	Transforming media for the next generation	Judy Parnall (BBC, EBU TC Chair)
09:40–10:10	Immersive media experiences	Michael Zink (VP Technology Warner Brothers)
10.10–10:20	Demo pitches	
10:20–10:50	<i>Coffee, demos & networking</i>	

SESSION 1: TRENDS AND INNOVATIONS

10:50–11:20	How to spot a fake	Judy King (BBC)
11:20–11:50	IoT, WATSON and media	Thomas Ross & Laurenz Lenkewitz (IBM)
11:50–12:20	Real-world blockchain implementation in B2B broadcast	Robin Ribback (Swiss TXT)
12:20–12:50	Media enrichment at scale: building and benchmarking machine learning services	Eyal Lavi (BBC)
12:50–14:00	<i>Seated lunch</i>	

SESSION 2: TRANSFORMING BROADCASTERS

14:00–14:30	CBC's cutting-edge broadcast facility: new lessons-learned	François Vaillant (CBC)
14:30–15:00	Innovation strategies: reshaping the organisation	Johan van Schellenbeeck (SRG SSR)
15:00–15:30	Decision-making in a volatile broadcasting environment	Jessica Becker (SWR)
15:30–16:00	Content pool: the new role of archives	Brid Dooley (RTÉ)
16:00–16:30	<i>Coffee, demos & networking</i>	

SESSION 3: TUTORIALS (16:30–18:00)

Tutorial 1 (room Montreux)	How to use the EBU Pyramid of SMPTE 2110 Media Nodes	Félix Poulin (CBC) & Willem Vermost (EBU)
Tutorial 2 (room Eiger/Jungfrau)	HDR – from theory to practical implementation	Andrew Cotton (BBC)
Tutorial 3 (room Gothard)	Producing competitive quality content and integrating social media in mainstream production	Frank Neckel & Holger Höbermann (SWR)
Tutorial 4 (room Geneva)	Deploying AI and exploiting metadata in workflows	Loic Barbou (Bloomberg)

WEDNESDAY 30 JANUARY 2019

09:00–09:30	What are the challenges and solutions in the content supply chain for OTT and linear broadcast	Malte Blumberg (ARD Online)
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SESSION 4: CLOUD-BASED PRODUCTION

09:30–10:00	Beyond the roadmap	Brad Gilmer (Gilmer & Associates, Inc.)
10:00–10:30	A virtualised control room? Proof of concept 2018	Claire Merienne-Santoni & Edmond Debar (France TV)
10:30–11:00	Cloud-based distributed content production	Rainer Kellerhals & Onur Ozdemir (Microsoft)
11:00–11:30	<i>Coffee, demos & networking</i>	

SESSION 5: INFRASTRUCTURE AND WORKFLOWS

11:30–12:00	5G in production workflows	Ian Wagdin (BBC)
12:00–12:30	Live IP Studio update	Willem Vermost (EBU)
12:30–13:00	ST-2110 OB truck: first experiences with real productions	Andreas Lattmann (TPC)
13:00–13:30	So many flavours of Audio over IP	Ievgen Kostiukevych (EBU)
13:30–14:30	<i>Networking Lunch & Demos</i>	

SESSION 6: VIDEO AND AUDIO CODECS UPDATE

14:30–15:00	The changing landscape of video codecs: AVC, HEVC, AV1 and JEM	Muriel Deschanel (B<>COM)
15:00–15:30	Cloud-based encoding to boost video streaming quality	Thierry Fautier (Harmonic)
15:30–16:00	Object-based production	Matthieu Parmentier (France TV)
16:00–16:30	<i>Coffee, demos & networking</i>	

SESSION 7: TUTORIALS (16:30–18:00)

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EVENING EVENT (18:15-20:30): DRINKS AND NIBBLES WITH SCREENING

- DYNASTIES (NATURE DOCUMENTARY WITH DAVID ATTENBOROUGH) IN HDR

THURSDAY 31 JANUARY 2019

09:00–09:30	The potential of AI in media	Jouni Frilander (YLE) & Mika Rautiainen (Valossa)
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SESSION 8: IMMERSIVE MEDIA

09:30–09:50	Berlin Athletics 2018 and the transition to UHD-HDR-HFR-NGA	Dagmar Driesnack (IRT)
09:50–10:10	Real-time immersive storytelling powered by game engines	Mike Grieve & Marcus Brodersen (The Future Group)
10:10–10:30	Adventures in Dolby Atmos at Sky UK	Martin Black & Vlad Korotkov (Sky)
10:30–11:00	<i>Coffee, demos & networking</i>	

SESSION 8: IMMERSIVE MEDIA (CONTINUED)

11:00–11:15	HFR considerations: strobing artefacts at standard frame rates	Ikuo Tsukagoshi (Sony)
11:15–11:25	Results of the HFR subjective tests during PTS 2019	Dagmar Driesnack (IRT)
11:15–11:30	Can we use Machine Learning to replicate results of traditional Video Quality Tests?	Simon Thompson (BBC)
11:30–12:30	Panel discussion: How to migrate from HD to UHD	Moderator: Andy Qusted (BBC) Derya Aydemir (SRG-SSR) Lothair Burg (ARTE) Andrew Cotton (BBC) Frank Heineberg (Cologne Broadcasting Center) Chris Johns (Sky UK) Matthieu Parmentier (FranceTV)
12:30–13:30	<i>Networking lunch & demos</i>	

SESSION 9: AI IN CONTENT PRODUCTION – REAL APPLICATIONS

13:30–14:00	A reality check for AI and media – the RAI experience	Alberto Messina (RAI)
14:00–14:30	How to build a successful AI team	Leonard Bouchet (RTS)
14:30–15:00	Teaching machines: putting lessons-learnt into production	Dieter Van Rijsselbergen (Limecraft)
15:00–15:30	Artificial Intelligence for smart access to multimedia content	Titus Zaharia (Institut Mines-Telecom)
16:00–16:10	Wrap-up	Hans Hoffmann (EBU)

DEMONSTRATIONS

LOCATION / FLOOR	DEMO	COMPANY
Foyer (-1)	AI Moderator – Speech to Text – Fake News	BBC
Foyer (-1)	EBU ADM Renderer (EAR)	EBU
Foyer (-1)	LIST - Live IP Software Toolkit	EBU & Bisect
Foyer (-1)	Media Cloud and Microservice with AWS, Azure, Google and more	EBU & NHK
Foyer (-1)	Hybrid broadcast broadband delivery	ATEME
Foyer (-1)	Integrating cloud AI tools	RAI
Foyer (-1)	HFR: strobing artefact at Non-HFR IRD to be mitigated	Sony
Foyer (1-)	Cloud-based Content Production and AI-based Video Indexing	Microsoft
Outside EBU reception (0)	The ST 2110 OB truck in real life	TPC
Room Moléson (+1)	HFR subjective testing	EBU & IRT
AV Lab (+1)	VMAF subjective testing	BBC & RAI
Room Voiron (+1)	Prediction of user behaviour for video creation	Aiconix (Sandbox)
Room Voiron (+1)	Content Discovery	Media Distillery (Sandbox)
Room Simplon (+1)	IMF ST2121 demo - first industry implementations	Marquise Tech / Media-IO / DPP
Room Courchevel (+1)	EBU-TT Live demo	SwissTXT

