



EBU TECHNICAL
MEDIA TECHNOLOGY & INNOVATION

Production Technology

“A Reality Check on Digital Production Workflows”



EBU, GENEVA, 2 – 4 FEBRUARY 2010

Final programme

Objectives

- Share HD user experiences on high-success HDTV production events
- Find out about cutting edge technologies and new perspectives applicable to television production
- Get an update on the work and results of EBU project groups and standards
- Discuss issues in Digital Production Workflows, along the production chain: acquisition, production, post-production, archive and play-out, asset management and Quality
- Latest developments in Audio, a full half day session (Loudness, Lip Sync, Files)
- Latest trends in cutting edge technologies such as producing in 4K and 3D

Chair of the seminar: Per Boehler, NRK, Norway and Chairman of the PMC

Day 1: HD Production – A Reality Check

Moderator, Roberto Cecatto, RAI, Italy and Vice Chairman of the PMC

09.00 **Registrations**

10.00 **Welcome, introduction and objectives of the seminar**

Session 1 Use Case Reports

10.15 **HD SRG live classical music production: La Bohème**
Marco Derighetti, RSI, Switzerland

10.45 **Low-cost HD Production using Ingex**
Nicholas Pinks and John Fletcher, BBC, UK

11.15 **Coffee**

11.45 **Approaching the file-based workflow**
Tomasz Frankowski, TVP, Poland

12.15 **New News virtual Studio – from concept to realisation**
Frank Fell-Bosenbeck, ZDF, Germany

12.45 **Lunch**

Session 2 Acquisition of HDTV

14.00 **Lenses for HDTV production: their properties and MTF testing**
Per Boehler, NRK, Norway

14.30 **Camera settings**
Alan Roberts, UK

15.00 **Shooting HD with DSLR cameras**
Tom Poederbach, The Netherlands

15.30 **Coffee**

Session 3 Post-Production

16.00 **Interoperability between acquisition and between post-production platforms**
Ingo Höntschi, BFE, Germany

16.30 **Software-based codecs and converters**
Bruce Devlin, Amberfin, UK

- 17.00 **The Beagle project: multiplatform HD production from a ship**
Philippe Tammes and Joop Hopster, VPRO, The Netherlands
- 17.30 **Flat Panel Displays in the professional broadcast space**
Friedrich Gierlinger, IRT, Germany
- 18.00 **End of Day 1**

Day 2: DIGITAL PRODUCTION WORKFLOWS

Moderator: Marco Derighetti, RSI, Switzerland

Session 4 OB Production

- 09.00 **HD OB van and confusing file-based HD production** (*filed-based OB van in display*)
Roland Fischer, RTS, Switzerland
- 09.30 **Mediamap: online collaborative production environment**
Maarten Verwaest, VRT, Belgium
- 10.00 **Contribution links: How much bandwidth will Eurovision offer, file transfer project**
Georges Béry, EBU, Switzerland
- 10.30 **Coffee / or OB Van visit**

Session 5 Archives

- 11.00 **P/DATA analysis**
Marek Kłosowski, TVP, Poland
- 11.20 **Archivist point of view: what do users of archives want?**
Gerhard Stanz, ORF, Austria
- 11.40 **Technical point of view: YLE's Digitization Center Project**
Henry Lindqvist, YLE, Finland
- 12.00 **Automatic Information Extraction in Archive applications (PSCAIE)**
Alberto Messina, RAI, Italy
- 12.20 **Q&A**
- 12.30 **OB Van visit**
- 13.00 **Lunch**

Session 6 Quality

- 14.00 **Automated quality control in file-based production**
Christoph Nufer & Martin Riethmayer, IRT, Germany
- 14.30 **Emission quality – still worth having HD?**
Andy Qusted, BBC, UK
- 15.00 **How important is quality for broadcasters? Panel Statements**
On the panel: Per Boehler, NRK, Norway; Friedrich Gierlinger, IRT, Germany; Andy Qusted, BBC, UK; Jörn Tuxen, DR, Denmark and Roberto Cecatto, RAI, Italy
- 15.30 **Coffee / or OB Van visit**

Session 7 What's on the horizon?

- 16.10 **From interoperability questions to best practises. What the EBU is doing!**
Hans Hoffmann, EBU, Switzerland
- 16.30 **Games, a growing good for broadcasters?**
Nils Holger Henning, Bigpoint, Germany
- 17.00 **Experiments of RAI: 4k and 3D production.**
Massimo Visca, Daniele Airola Gnota and Mario Muratori, RAI, Italy
- 18.00 **Cocktails, Demos & OB Van visit**

Day 3: Indispensable Audio

Moderator: John Emmett, ITV, UK

Session 8 Sound and Audio

- 09.00 **From Peak to Loudness – an audio leveling revolution**
Florian Camerer, ORF, Austria
- 09.30 **Audio file formats – the standard situation**
Lars Jonsson, SR, Sweden
- 10.00 **Up-downmixing (Spatial sound)**
Gerhard Stoll, IRT, Germany
- 10.30 **Coffee**
- 11.00 **Lipsync issues; synchronising the standards**
John Emmett, ITV, UK
- 11.30 **Use case : BBC Proms**
Julian Gough, SIS LIVE, UK
- 12.00 **Conclusion of seminar**
Per Boehler, NRK, Norway

Venue

European Broadcasting Union (EBU)

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