



EBU TECHNICAL
MEDIA TECHNOLOGY & INNOVATION

EBU TECHNICAL Seminar

Emerging Production Technologies in Focus

EBU, GENEVA, 1 – 3 FEBRUARY 2011

FINAL PROGRAMME

Objectives

- Get a deeper insight with tutorials on 4 chosen topics
- Share User experiences on current radio, HD and tapeless production
- Get updates on HD equipments and results from EBU Expert Community projects and Strategic programmes
- Check out the latest developments in archive, file-based and audio applications
- Be inspired by the research on technologies of the future

Day 1: Tuesday, 1st February 2011

8.30–08.45

Early-accreditations for participants attending the tutorials

On-going accreditations and registrations for seminar participants not attending the tutorials: from 08.45 to 10.30

08.45–10.00

Tutorials

08.45

1. Loudness 101

Florian Camerer, ORF, Austria

2. HD cameras and lenses

Per Boehler, NRK, Norway

3. Service-Oriented Architectures in Media Production

Jean-Pierre Evain, EBU, Switzerland and Giorgio Dimino, RAI, Italy

4. 3D Stereoscopy

Kevin Doig, BBC Academy, UK

08.45

Registrations for the seminar

10.15

Coffee and on-going accreditations

11.00

Welcome, introduction, objectives of the seminar

Session 1

User cases in production – Moderator: Roberto Cecatto, RAI, Italy

11.15

"Rigoletto a Mantova": an HDTV live movie

Roberto Cecatto and Giovanni Ridolfi, RAI, Italy

11.45

Digitizing a tape archive, from workflow to process

Ilja Strobbe, VRT, Belgium

12.15

Tapeless and File-based Production: FIFA world cup under an archives perspective

Wolfgang Dehn and Imke Schacht, SWR, Germany

12.45

Lunch

Session 2

Low cost production – Moderator: Roberto Cecatto, RAI, Italy

14.15

Radio Production and Transmission – Showcase

Mathias Coinchon & Stan Roehrich, EBU, Switzerland

14.45

An impact on your workflow with DSLR cameras

David Klafkowski, Farmgroup, UK and Andy Qusted, BBC, UK

15.15

Coffee

Session 3 **HD equipment & applications** – Moderator: Reinhard Knör, IRT, Germany

- 15.45 **Signal Quality in HDTV Production and Broadcast Services**
Joern Tuxen, DR, Denmark
- 16.15 **From 1080p/50 to 4k: Codecs and developments**
Massimo Visca, RAI, Italy
- 16.45 **Displays and measurements : what achievements in a production environment with FPDs**
Adi Kouadio, EBU, Switzerland
- 17.15 **End of Day 1**

Day 2: Wednesday, 2nd February 2011

Session 4 **File-based production** – Moderator: Christoph Nufer, IRT, Germany

- 09.00 **Taking the users on board – cooperating with the users when working on a technical system** *Kennet Hedberg, SVT, Sweden*
- 09.30 **Metadata for Acquisition – SP/HIPS outcome**
Daniele Airola Gnota, RAI, Italy and Jean-Pierre Evain, EBU, Switzerland
- 10.00 **FIMS – A status report**
Giorgio Dimino, RAI, Italy
- 10.30 **Coffee**
- 11.00 **DFXP – A new subtitle format between TV and Web**
Larissa Görner, IRT, Germany
- 11.30 **Storage for HD-video – experiences from production and archiving**
Jesper Gummesson, SVT, Sweden
- 12.00 **Mass storage system for television production**
Markus Ostertag, SWR, Germany
- 12.30 **Lunch**

Session 5 **Audio** – Moderator: Andrew Mason, BBC, UK

- 14.30 **Loudness in practice**
Askan Siegfried, NDR, Germany
- 15.00 **Audio Loudness Meter – vendors implementation**
Esben Skovenborg, TC Group, Denmark
- 15.30 **Audio for 3D**
Tony Churnside, BBC, UK
- 16.00 **Coffee**
- 16.30 **Objective studies on 5.1 upmix-systems**
Christian Hartmann, IRT, Germany
- 17.00 **3D Virtual Microphone System employing an High Order Ambisonics Microphone Array**
Angelo Farina, University of Parma and Leonardo Scopece, RAI, Italy
- 17.30 **Cocktail & Demos**

Day 3: Thursday, 3rd February 2011

Session 6 Archives – Moderator: Alberto Messina, RAI, Italy

- 09.00 **MXF – a use case**
Brendan Mallon, BBC, UK
- 09.30 **Boost your search with semantic technology**
Karel Braeckman, VRT, Belgium
- 10.00 **Automated feature extraction – the Contentus project**
Andreas Heß, Deutsche Nationalbibliothek, Germany
- 10.30 **MPEG-7 profile (auto extraction)**
Werner Bailer, Joanneum, Austria
- 11.00 **Coffee & Snacks**

Session 7 Future technologies – Moderator: Per Boehler, NRK, Norway

- 12.00 **Present and future of Super High Vision**
Dr Shishikui, NHK, Japan
- 12.30 **Status report of the EBU 3D project**
Andy Quested, BBC, UK
- 12.45 **Easy to make bad 3D, difficult to make good 3D**
Tobias Veas, WIGE MEDIA, Germany
- 13.15 **Successful S3D postproduction in 8 steps**
Sascha Klement, tpc, Switzerland
- 13.45 **Use case on the World Cup**
David Bush, Sony, UK
- 14.15 **Conclusions to the seminar**
Per Boehler, NRK, Norway & Hans Hoffmann, EBU, Switzerland
- 14.30 **End of seminar**

Venue

European Broadcasting Union (EBU)

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