



INFORMATION ON NEXT MEETING

HD suisse: A Technical Backstage View

*tv production center, Fernsehstrasse 1-4, 8052 Zurich-Oerlikon
(Info see <http://www.tpcag.ch/>)*

Wednesday, 5th of December 2007, 17:30h-19:45h, Doors open 17:15h

SPEAKERS: Thomas Saner, SRG SSR idee suisse, GD T+I
David Roth, tpc ag, Engineering
Hansueli Egli, SRG SSR idee suisse, Media Services TOP
Beat Schär, SRG SSR idee suisse, Media Services Distribution

ORGANISER: Gabriel Leuzinger

LANGUAGE: German

The introduction of High Definition TV is probably the most spectacular change in TV broadcasting since the introduction of the colour TV in the 60ties. It improves dramatically the viewing and listening experience of the customers at home. A major precondition for this step was the invention of cost efficient, space saving flat screen displays and of course the digitalization of the whole signal path from studio to customer. Both is already well established for customers, broadcasters and signal redistributors.

Despite known for its follower strategy, SRG SSR announced a new shared channel in HD a bit less than one year ago. With the 1280x720/50p format chosen and with four audio channels in Dolby Digital, the new channel called **HD suisse** takes a real leadership in Europe.

Thomas Saner will give us a general introduction to HD suisse and will explain the decision for the format and the four audio channels. **David Roth** will present the technical

project/concept of HD suisse and its challenges on the production side. Based on this **Hansueli Egli** will explain the techniques used to contribute the HD signals within Switzerland and also from wider areas. **Beat Schär** will present the technology and the distribution path used for HD suisse. The technical tour will conclude the presentations with a practical backstage view. A final round for discussion and Q+A will finish the official part of this event.

Organisation:

17:15h Doors open
17:30h Presentations
18:45h Tour through HD studio, Continuity HD suisse and HD installations of Media Services

Refreshment break in the middle of the meeting.
19:45h Q+A, discussion
20:00h Optional dinner

Please register as usual at:
www.swissaes.org/programme/signup

REPORT ON PREVIOUS MEETING
Cobranet and Ethersound Audio Networks
Thursday, 27th of September 2007

SPEAKERS: Attila Karamustafaoglu, Studer Professional Audio GmbH
Antoine Zeros, Auvitran
Romano M. Cunsolo, Biamp Systems

REPORTER: David Norman

With more than 30 attendees the conference room in Aarau was well filled for this meeting. Attila Karamustafaoglu started the evening presenting the basic principles of Ethernet technology and how the packets of audio are transmitted over such networks. The various layers of an Ethernet system were described and the advantages/disadvantages of using certain layers to transport audio were explained. After this the topologies for Cobranet and Ethersound networks were explained.

Unfortunately Yves Ansade was not able to attend the meeting for health reasons and Antoine Zeros stepped in at the last minute to present the Ethersound technology of Auvitran. Auvitran is a split off company from Digigram who originated Ethersound. They develop solutions including the required logic chips for Ethersound and supply such solutions to many professional manufacturers.

Antoine's presentation went into considerable detail about Ethersound, the system latency, network architecture and the topology and routing used in the Ethersound systems. Some of the available hardware was also presented.

Then Romano M. Cunsolo from Biamp Systems in Europe presented Cobranet from the standpoint of a leading manufacturer which uses this protocol in their products.

Apart from his presentation about the use of Cobranet in BiAmp products Romano went into a very animated explanation about the Cobranet "bundles" and how this is implemented in their products. At the end of the presentation he explained the use of Cobranet in safety relevant systems with a networked paging station.

After a rather long but technically very interesting evening several people enjoyed an excellent meal at the restaurant in the hotel.

