

9th AUDIO SEMINAR



AT BANZ MONASTERY October 2011

**SALZBRENNER STAGETEC MEDIAGROUP in co-operation
with the German Tonmeister Association - VDT**

BROADCAST SEMINAR

October 11-12, 2011

New Trends and Technologies in Broadcast



AGENDA

Tuesday, 11th of October

- | | |
|---------------|---|
| 10.00 - 10.30 | Opening |
| 10.30 - 11.30 | The Eurovision Song Contest 2011:
Audio Production with special requirements
(Ulli Fricke, NDR) |
| 11.30 - 12.30 | 3D audio: introducing the third dimension
to the ITU 5.1/7.1 surround format
(Günther Theile, VDT) |
| 12.30 - 2.00 | Check-in, Lunch |
| 2.00 - 3.00 | Intercom routers in the world's
largest digital intercom system
(Jürgen Malleck, DELEC) |
| 3.00 - 4.00 | Parallel Workshops |
| Workshop 1: | Loudness-Metering in practice
(tba) |
| Workshop 2: | Dolby-E® and HD-SDI capabilities
with NEXUS boards
(Jens Kuhlmann, STAGETEC) |
| Workshop 3: | Listening to 3D audio recordings
(Helmut Wittek, Schoeps) |
| | Coffee break |
| 4.30 - 5.30 | Recent developments in loudness
metering according to EBU-R 128
(Florian Camerer, ORF) |
| 5.30 - 6.15 | Guided tour through the monastery |
| | Dinner |
| | Cinema with 3D-Video |

AGENDA

Wednesday, 12th of October

- | | |
|---------------|--|
| 8.30 - 9.30 | Headphone surround monitoring
and binaural room synthesis
(Stephen Smyth, Smyth Research Ltd) |
| 9.30 - 10.15 | AVB and Dante protocol
in professional use
(Aidan Williams, Audinate) |
| | Coffee break |
| 10.45 - 11.45 | Parallel Workshops |
| Workshop 1: | Loudness metering in practice
(tba) |
| Workshop 2: | Dolby-E® and HD-SDI capabilities
with NEXUS boards
(Jens Kuhlmann, STAGETEC) |
| Workshop 3: | Listening to 3D audio recordings
(Helmut Wittek, Schoeps) |
| 11.45 - 12.45 | The potential of the ON AIR 24
(Klaus-Peter Scholz, STAGETEC) |
| 12.45 - 2.15 | Check-out, Lunch |
| 2.15 - 3.15 | Does everything have to be digital?
Why wireless microphones are one of
last strongholds of analogue and will
this situation will last forever?
(Sven Boetcher, Sennheiser) |
| | Coffee break |
| 3.15 - 4.45 | Parallel Workshops |
| Workshop 1: | Loudness metering in practice
(tba) |
| Workshop 2: | Dolby-E® and HD-SDI capabilities
with NEXUS boards
(Jens Kuhlmann, STAGETEC) |
| Workshop 3: | Listening to 3D audio recordings
(Helmut Wittek, Schoeps) |
| 4.45 - 5.00 | Closing |
| 5.00 | Departure |

Throughout the seminar, visitors can listen to the VIVACE digital room-enhancement system inside an acoustically neutral room.



THEATRE-SEMINAR

October 13-14, 2011

Technical and Creative Aspects of Theatre and Live Sound

AGENDA

Thursday, 13 October

- | | |
|---------------|--|
| 10.00 - 10.30 | Opening |
| 10.30 - 11.30 | VIVACE Theatre Effects System
(Gunter Engel, Müller-BBM) |
| 11.30 - 12.15 | AVB and Dante protocol
in professional use
(Aidan Williams, Audinate) |
| 12.15 - 2.00 | Check-in, Lunch |
| 2.00 - 3.00 | Headphone surround monitoring
and binaural room synthesis
(Stephen Smyth, Smyth Research Ltd) |
| 3.00 - 4.00 | Parallel Workshops |
| Workshop 1: | AURUS scene automation for
theatre and musicals
(Christian Fuchs, STAGETEC) |
| Workshop 2: | Using VIVACE for virtual-acoustics
emulation
(Gunter Engel, Müller-BBM) |
| | Coffee break |
| 4.30 - 5.30 | Sound design for musicals
(Kai Harada, New York,
live from the USA;
Michel Weber, Stage Entertainment) |
| 5.30 - 6.15 | Guided tour through the monastery |
| | Dinner |
| | Cinema with 3D-Video |

AGENDA

Friday, 14 October

- | | |
|---------------|--|
| 8.30 - 9.30 | Does everything have to be digital?
Why wireless microphones are one of
last strongholds of analogue and
will this situation will last forever?
(Sven Boetcher, Sennheiser) |
| 9.30 - 10.15 | Refurbishment of the Bolshoi Theatre
Moscow
(Vyacheslav Efimov, Bolshoi Theatre) |
| | Coffee break |
| 10.45 - 11.45 | The SuperCMIT in practical use
(Helmut Wittek, Schoeps) |
| 11.45 - 12.45 | Parallel Workshops |
| Workshop 1: | AURUS scene automation for
theatre and musicals
(Christian Fuchs, STAGETEC) |
| Workshop 2: | Using VIVACE for virtual-acoustics
emulation
(Gunter Engel, Müller-BBM) |
| 12.45 - 2.15 | Check-out, Lunch |
| 2.15 - 3.15 | Modular stage management systems
at the Bolshoi Theatre
(Dominik Haag, SALZBRENNER STAGETEC) |
| | Coffee break |
| 3.45 - 4.45 | Timex and Stagetracker at Schwerin:
a comparison of motion-tracking
systems
(Martin Wurmnest; John Schröder,
Mecklenburgisches Staatstheater
Schwerin) |
| 4.45 - 5.00 | Closing |
| 5.00 | Departure |

AUDIO SEMINAR AT BANZ MONASTERY



The SALZBRENNER STAGETEC MEDIAGROUP in co-operation with the German Tonmeister Association, VDT, is delighted to issue an invitation to two Banz monastery audio seminars, to be held in autumn 2011. The first of the seminars will concentrate on broadcast topics and the second one is focussed on theatre and live sound subjects. Both seminars will discuss the latest theoretical developments as well as practical know-how.

To a large extent the papers and workshops will be presented by internationally renowned visiting guest experts. Simultaneous interpretation into English, French, and Russian will be available where required.

A number of companies support the Banz seminars and will be present at a small exhibition on the premises: Audinate, DELEC, ME-Geithain, Pinguin Ing. Büro, Müller-BBM, Neumann & Müller, NVS, SALZBRENNER STAGETEC MEDIAGROUP, Schoeps Mikrofone, Sennheiser, Smyth Research, the VDT and Zactrack.



Made possible with the friendly support of:
NDR, ORF, Smyth Research, Audinate, Schoeps, Sennheiser, Müller-BBM, Pinguin Ing. Büro, Stage Entertainment, ME Geithain, Concept-A, DELEC, Zactrack

Registration:

The current version of the seminar programm is available for download at www.stagetec.com/banz.

For a binding registration, visit our direct link:
<http://banz.stagetec.com>.

Seminar Venue:

Bildungszentrum Kloster Banz
Kloster-Banz-Str.
D-96231 Bad Staffelstein (bei Lichtenfels/Germany)

Organisation & Contact:

Désirée Müller Phone: +49-162 248 4003
Hermann Quetting Phone: +49-172 868 0570

Seminar Pricing:

BROADCAST SEMINAR: 450.- Euro
THEATRE SEMINAR: 450.- Euro

Includes overnight stay and full board
Prices plus VAT



PRESENTATION: Martin Wöhr

Martin Wöhr can reflect on a long-standing professional career in radio broadcasting at Bayerischer Rundfunk and has been active in live sound and sound reinforcement for many years. He was also head of the VDT Bildungswerk. Thanks to his breadth of experience, he will certainly present this year's Banz audio seminars with customary ease.

THE SPEAKERS



Sven Boetcher

Sven Boetcher had been product manager for professional wireless microphones at Sennheiser for many years before moving to the pro-audio marketing division earlier this year. In his paper he will detail the strengths and limitations of digital microphones.



Florian Camerer

Florian Camerer has worked as a senior sound engineer at ORF since 1990. His focus is on surround productions and he has held numerous seminars and training sessions on the subject. In addition, he is considered a pioneer of loudness metering and normalisation and as a member of the EBU Loudness working group made considerable contributions to the EBU-R 128 loudness standard.

Gunter Engel, a system developer at Müller-BBM in Munich, is a Tonmeister and physicist with the expertise for both the system development and evaluation of an electronic room-acoustics emulation system. With the integration of an automatic stage tracking system, he expanded the VIVACE room-acoustics emulation, which was originally intended to be only a room enhancement system, with further useful real-world functions.



Gunter Engel

Christian Fuchs is sound-reinforcement application manager at SALZBRENNER STAGETEC MEDIAGROUP and responsible for musical and theatre applications of AURUS and NEXUS systems. Having acquired extensive expertise in sound mixing, he acts not only as a consultant in system planning but also provides support for the realisation of large-scale projects, for example, sound-design implementation of musical projects.



Christian Fuchs

More speakers see page 5

THE SPEAKERS



Ulli Fricke

Ulli Fricke is sound engineer at NDR with his main focus on entertainment and music programmes. He has mixed the German preliminaries of 13 previous Eurovision Song Contests for German public tv. This time, as Head of Sound, he was responsible for the audio at the Eurovision Song Contest finals in Dusseldorf.

Kai Harada from New York is a renowned sound designer for musical productions. At the time of the Banz seminar, he will be implementing the audio system for a musical and will therefore be speaking over a live video link from the USA. Harada will be supported by Michel Weber from Stage Entertainment who was a member of Harada's team during the production of a number of musicals including "Zorro" and "Hinterm Horizont".



Kai Harada



Dominik Haag

Domink Haag is lead software developer at SALZBRENNER STAGETEC MEDIAGROUP and co-ordinates the software design of the MediaControl system. As a project manager, he is involved in planning the new systems at the Bolshoi theatre where he is focused on designing a new stage management system made up of DELEC and MediaControl components.

Vyacheslav Yuryevich Efimov, deputy director of the Bolshoi Theatre, initiated the overall refurbishment of this well-known venue in Moscow. In his paper, Efimov will describe the multi-faceted details and overall scope of the restoration and reconstruction of this great and important theatre.



V.Y. Efimov



Jens Kuhlmann

Jens Kuhlmann has conducted commissioning, training and support of STAGETEC equipment since 1996. He has a wealth of experience with broadcast applications, the problems and the solutions. At a workshop he presents a selection of themes in the area of SDI embedding and use of Dolby E®.

Stephen Smyth developed the apt-X100 audio codec used in DTS systems. Later, he established Smyth Research, manufacturer of the Realiser, a customizable headphone system for reproducing real sound fields virtually. Smyth's paper will be on the basic principles of the Realiser and its possible uses in pro audio.



Stephen Smyth



Jürgen Malleck

Jürgen Malleck broadcast expert, has supported DELEC's sales department since 2010 and is closely involved in the extensive intercom systems redesign in the UK. In his paper, he will present a large number of new developments and the comprehensive overall concept of this intercom network.

Günther Theile, VDT board member, can look back at many years of research in recording and playback technologies, audio data compression and virtual acoustics. His focus is on binaural reproduction, sound field synthesis, as well as 2D and 3D multichannel audio. In his paper, he will go into detail with practical aspects of introducing the third dimension to existing surround formats.



Günther Theile



Martin Wurmnest

Martin Wurmnest is a freelance audio engineer working mainly in the live area and was also head of the VDT's sound-reinforcement group. For Neumann & Müller, one of his major customers, he organised the open-air sound reinforcement at Schwerin Schlossfestspiele in 2010. For this project, he compared two different motion-tracking systems.

Helmut Wittek has devoted himself to the fields of microphone recordings for decades – be it as a musician, a sound engineer, or as the head of technology at Schoeps Mikrofone. His paper on a new motion-tracking microphone for theatre use will go into the details of digital microphone technology.



Helmut Wittek



Klaus-Peter Scholz

Klaus-Peter Scholz, co-founder and CEO of STAGETEC Entwicklungsgesellschaft, has been working for more than 40 years in professional audio with a focus on digital technologies. In previous years, he has presented innovative STAGETEC developments such as separating digital consoles into two parts, routing and processing. Today he shows one of the latest developments by STAGETEC, the ON AIR 24 broadcast mixer.

Aidan Williams is co-founder and CTO (Chief Technology Officer) of the Australian company Audinate and is pushing the development of the digital media network Dante. Earlier in his career, he was involved in IP networking for audio and in zero configuration networking. Here in Banz, he talks about the use of AVB (Audio Video Bridging) and Dante in the professional production environment.



Aidan Williams

History of the Monastery Banz

Banz Monastery, with its 900 years of history, is located in the valley of the River Main in Upper Franconia. In about 1069 or 1071, Countess Alberada and her husband, Margrave Hermann of Vohburg, donated their castle on Mount Banz to the Benedictines as a monastery.

In the Thirty Year War, the abbey was destroyed; between 1698 and 1780, it was rebuilt and extended first by Leonhard Dientzenhofer, and then, after his death, by Johann Dientzenhofer and Balthasar Neumann, to become one of the biggest monasteries in Bavaria. When the abbey closed as a result of secularisation, the monastery's last glorious era came to an end. In 1814, Duke Wilhelm of Bavaria acquired Banz as his summer residence. Before being taken over by the Hanns Seidel Foundation as a meeting and education center in 1978, the monastery was in the possession of the missionary order of the „Society of the Holy Angels“. After extensive renovation and restoration work, the completion of Banz Monastery was celebrated in 1990.

<http://www.hss.de/english/educational-centres/banz-monastery.html>

