

Friday, Nov. 18, 2011

09:00 Coffee

09:30 Conference Opens: Chair's Welcome

10:00 Paper Session 1: New Directions in Streaming Audio, Moderator: Tim Shuttleworth, Renkus Heinz

- 10:00 Alexander Carôt and Gerald Schuller:
Applying Video to Low Delayed Audio Streams In Bandwidth Limited Networks
- 10:30 Axel Holzinger and Andreas Hildebrand:
Realtime linear audio distribution over networks
- 11:00 Kevin Gross:
The Future of High-Performance Media Networking
- 11:30 Stefan Heinzmann, Hans Weibel:
Media Clock Synchronization Based on PTP

12:00 Lunch

13:00 Paper Session 2: Network Control and Distribution, Moderator: Peter Otto, UC San Diego

- 13:00 Andrew Eales and Richard Foss:
Towards a Standard Model for Networked Audio Devices
- 13:30 Nicolas Bouillot, Marcio Tomiyoshi, and Jeremy Cooperstock:
Extended User Control over Multichannel Content Delivered over the Web
- 14:00 Osedum Igumbor and Richard Foss:
Control Protocol Command Translation for Device Interoperability on Ethernet AVB Networks
- 14:30 Christoph Sladeczek, Thomas Reussner, Michael Rath, Karl Preidl, Sandra Brix, and Hermann Scheck:
Audio Network Based Massive Multichannel Loudspeaker System for Flexible Use in Spatial Audio Research

- 15:00 Richard Foss, Robby Gurdan, Brad Klinkradt, and Nyasha Chigwamba:
The XFN Connection Management and Control Protocol

15:30 Coffee Break

16:00 Demonstration and Panel Discussion: Network Control Protocols, Session Chair: Richard Foss, University of Rhodes

- 16:00 Introduction
- 16:05 Aidan Williams, Audinate
- 16:25 Lee Minich, LabX
- 16:45 TBD, XMOS
- 17:05 Robbie Gurdan, Uman
- 17:25 Jeff Berryman, Bosch
- 17:45 Q&A

18:30 Move to Faculty Club for Banquet

18:45 Banquet

Saturday, Nov 19, 2011

09:30 Coffee

10:00 Paper Session 3: Networked Performance, Moderator: Chris Chafe, Stanford University

- 10:00 Álvaro Barbosa, and João Cordeiro:
The Influence of Perceptual Attack Times in Networked Music Performance
- 10:30 Alexander Carôt and Gerald Schuller:
Towards a telematic visual-conducting system
- 11:00 Alain Renaud:
Cueing and composing for long distance network music collaborations

11:30 Lunch

12:30 Tour of CALLT2 Facilities and CALLT2 Demonstrations

13:30 Panel Discussion: Audio Network Product Design, Session Chair: Kevin Gross, AVA Networks

- 13:30 Introduction
- 13:35 Lee Minich, Lab X
- 14:05 Stefan Heinzmann, ALC NetworX
- 14:35 Aidan Williams, Audinate
- 15:05 Q&A

15:30 Coffee Break

16:00 Panel Discussion: Distributed Performance, Session Chair: Alexander Carôt, Hochschule Anhalt

- 16:00 Introduction
- 16:05 David Willyard, MusicianLink
- 16:25 Gail Kantor, eJamming
- 16:45 Manfred Rürup and Karl Steinberg Digital-Musician (via telepresence)
- 17:05 Synthia Payne, University of Denver
- 17:25 Q&A

17:45 Dinner

19:00 Concert/Demonstration – Distributed Performance, Session Chair: Todd Margolis, UC San Diego, Moderator: Nathan Brock, UC San Diego

- Pt. 1: Between UC San Diego and UC Irvine, Performers: Caprice Strings
- Pt. 2: Between UC San Diego, Rice University (Houston, TX), and La Universidad de los Andes (Bogotá, Colombia), Performers: The Telematic Trio, Chris Chafe, Pauline Oliveros, and Ricardo Arias
- Pt. 3: Between UC San Diego and Keio University, Tokyo, Japan, Performers: Rachel Beetz, John Mark Harris, Reiko Manabe

Sunday, Nov20, 2011

09:00 Coffee

09:30 Paper Session 4: Broadcasters, Teleconferencing, and Wireless, Moderator: Sonja Langhans, IRT

09:30 Lars Jonsson and Mathias Coinchon:
EBU Standardisation of Audio over IP for Contribution Systems

10:00 Christian Hoene, Michael Haun, and Mansoor Hyder:
Measuring Complexity and Latency of a Spatial Audio Teleconferencing System

10:30 Jeffrey Berryman:
Technical Criteria for Professional Media Networks

11:00 Karen Collins, Peter Taillon, and Bill Kapralos:
Experimenting With a Framework for Networked Mobile Audio Arrays

11:30 Seppo Nikkilä:
Introducing wireless organic digital audio: a multichannel streaming audio network based on IEEE 802.11

12:00 Lunch

13:00 Demonstration: Networked Master Class, Session Chair: Nathan Brock, UC San Diego, Moderator: Steve Morris, Skywalker Sound

14:30 Panel Discussion: Future Directions for Audio Networking, Moderator: Nathan Brock, UC San Diego

14:30 Introduction

14:35 Lee Minich, AVnu Alliance:
AVB

14:55 Kevin Gross, AVA Networks:
Interoperability

15:15 John Grant, Nine Tiles:
Future Networks

15:35 Nathan Brock, UC San Diego:
Audio in a Media-Networked World

15:55 Q&A

16:00 Coffee Break

16:30 Panel Discussion: Use Cases for High Performance Audio-over-IP in Broadcast Facilities, Moderator: Stefan Ledergerber, Lawo

16:30 Introduction

16:35 Lars Jonsson, Sveriges Radio AB

16:45 Sonja Langhans, IRT

17:05 Greg Shay, Telos

17:25 TBD

17:45 Q&A

18:15 Chair's Closing Comments

18:30 Conference ends



**44th AES
Conference
on**

Audio Networking

Chair: Nathan Brock

November 18-20, 2011

University of California
San Diego
USA