



AES Technical Committee on Loudspeakers and Headphones

Meeting Report:

AES 138th, Warsaw, Poland, 8/May/15

Chair: Alan Trevena, unable to attend the 138th

Vice-chair: Juha Bachman

Substitute chair: Steve Hutt

Mission of the Loudspeaker and Headphone Technical Committee. The committee works to ensure that the AES membership has the opportunity to learn of relevant new transducer technology as it develops, with an emphasis on sound field generation from loudspeakers and headphones.

Introduction:

Substitute chair Hutt explained that chair Alan Trevena was unable to attend the 138th and unable to reach vice-chair Juha Backman. Alan and asked Hutt if he could chair the 138th TC-LH meeting. Further, Alan explained that he would need to step down from the chair position and asked Hutt to become chairman of the TC-LH. During the meeting at the 138th, Vice-chair Juha Bachman agreed to the proposal.

**Footnote. Subsequent to the 138th, TC Council chairs ,Francis Rumsey and Robert Schulein agreed to the change.

Liaisons – Standards:

John Wookgate updated the group about ongoing work by IEC 60268-5. IEC has received proposals from China for micro-speaker measurements, CEA for updated system measurements and Germany for updated aspects of 60268-5 though the German proposal details are still outstanding. Additionally, a Japanese group is exploring methods to test a hearing assistance device not directly related to loudspeakers, but is of interest to those in our industry.

Workshop Concepts:

Some ideas for TC-LH to develop workshops were proposed:

Hans van Maisel suggested that a workshop on time domain measurement and analysis.

There was strong agreement in the group to discuss items such as how to read an impulse response, waterfalls, wavelets etc. and how to understand group delay, phase wrapping and even minimum phase attributes and how these factors correlate to perceived system performance.

Now – we need a workshop champion.... Hans has offered to support for the 140th in Prague (or wherever...). Hopefully, reflector dialog can develop momentum.

Attendees:

Name	Affiliation	email
Steve Hutt	chair SC04-03 & Eighteen Sound	hutt.steve@gmail.com
Juha Bachman	vice-chair TCLH & Microsoft	juha.bachman@microsoft.com
Hans van Maanon	Temporal Coherence	info@temporalcoherence.nl
John Woodgate	JMWA	jmw@jmwa.demon.co.uk
Todd Welti	Harman	todd.welti@harman.com

Next meeting: 139th AES, October, New York.