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AES Audio Engineering Society - Pacific Northwest Section

Around the Puget Sound, Seattle, Washington, U.S.A.

**AES PNW Section
September Meeting Notice
Understanding and Interpreting Audio Measurement
Tools
in a Real Room with a Real System.**

Or,

**What Is That Squiggly Line Trying to Tell Me and
What Can I Do About It?**

Presented by

**Dave Tosti-Lane, Sound Design Area Head at Cornish
College of the Arts, and**

The AES PNW Section Committee

1:00-4:00pm, Saturday September 22, 2012,

Raisbeck Performance Hall at Cornish College of the Arts.

2015 Boren Ave., Seattle WA

[Directions and Parking info](#) >

So you have a measurement tool like SIM 3 or Smaart 7 running and it's displaying some lines and numbers, but how do those relate to what you are hearing? What can you do with the information? Working in a small black-box theater space with multiple speaker systems we'll listen and look, and see how the traces change as we make adjustments to the system.

- We will experiment with moving speakers, changing angles, different kinds of speakers, processing, delay and other ways to bollox things up (or un-bollox them).
- What does a physical change to the wall surface (like adding a velour curtain) do to the reflections at different frequencies, how does that change what we see on the screen. Does that give us enough information to be able to recommend such a solution in another venue?
- What is the effect of a competing/conflicting source (such as a monitor system) to the sound in the competing source's nearfield, vs its effect on the FOH sound?
- How do we set up the measurement tool and calibrate it in the room so that it gives us useful information?
- What is that phase response trace all about anyway?
- How do actual measurements in the real room compare to simulation software such as MAPP Online?

The Performance Production Department at Cornish College of the Arts is conducting an Audio Workshop Weekend for its sound design students, and has invited the Pacific Northwest Section of the Audio Engineering Society to hold its September meeting in the Ned & Kayla Skinner theater in the Raisbeck Performance Hall as part of the workshop. The Raisbeck Hall was originally built in 1905 as the Sons Of Norway Hall. A protected landmark building, it retains the original distinctive architecture inside and out.

Dave Tosti-Lane

AES PNW 2012-2013 Section Chair

n.b. *The material presented at our meetings is the opinion of the presenter and not necessarily that of the Society. You are encouraged to conduct your own research and to form your own opinions before adopting the presented material as Truth.*

Our meetings are open to anyone interested in Audio. AES membership is NOT required for you to attend our meetings.

2012-13 Officers

Chairman Dave Tosti-Lane	Vice- Chairman Greg Mauser	Secretary Gary Louie	Treasurer David Franzwa	At Large: Aurika Hays, Membership Rick Chinn, Webmaster	Refer to the Officers and Committee contact list for contact information.
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Program Committee

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