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AES Audio Engineering Society - Pacific Northwest Section

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

NOTE: anyone can attend this meeting regardless of their status as an AES member.

AES MEMBERSHIP IS NOT REQUIRED.

**Officers and Committee Yearly Election
Development of a Low Cost Programmable
Microphone**

**Preamp Gain Control IC for Pro Audio
Applications**

**Presented by
Gary K. Hebert
THAT Corporation
and**

**The Pacific Northwest Section of the AES
Wednesday, June 29th, 2016, 7:30pm
Shoreline Community College, Music Building, Rm
818**

[Directions to Shoreline CC](#)

THAT Corporation, a manufacturer of integrated circuits for professional audio applications, has been manufacturing programmable gain control ICs for microphone preamplifiers since 2009. While these have been adopted in a wide variety of professional audio products, they were often too costly to be included into many higher volume and high channel count designs. THAT's CTO Gary Hebert will discuss the performance requirements for these ICs in the professional audio environment and describe the circuit topology changes and performance tradeoffs made during the development of a new low-cost gain control IC. He will also present performance data on the new device.

Please join us on Wednesday, June 29th for an enlightening and engaging presentation. Bring your questions!

Our Presenter:

Gary K. Hebert, CTO & Co-Founder, THAT Corporation

Mr. Hebert is a co-founder of THAT Corporation and a longtime audio-electronics enthusiast. He currently serves as THAT's Chief Technology Officer, spending the majority of his time defining and supervising the design of analog and mixed-signal integrated circuits intended for use in the professional audio industry. He is credited with creating many of THAT's high-performance audio ICs, including the popular 218x series of VCAs, the 2162 Dual VCA, the 4320/4315/4305 Analog Engines®, the 1646/1606 Balanced Floating Line Drivers, and the 5171 and 5173 Preamplifier Controllers. He also continues to serve as an executive advisor to THAT's dbx-tv business unit.

Prior to founding THAT Corporation, Mr. Hebert was with dbx, Inc. from 1981 through 1989, where he held several positions, the last being Electrical Engineering Manger. He was responsible for a number of audio product designs marketed under the dbx, ADC, and Audio Dynamics brands. He also worked with semiconductor manufacturers on ICs used in the dbx Noise Reduction licensing program. He began his career at automated test equipment manufacturer Teradyne.

Mr. Hebert holds seven patents in the audio electronics field. He has authored and presented several papers for the Audio Engineering Society. He earned a BSEE from the Massachusetts Institute of Technology in 1979.

Elections

Election time is here again. Unlike our national elections, ours is completely sedate by comparison; no robocalls, no candidates stumping the election trail, kissing babies and who knows what else... We announce in May, we elect in June. Since this is the June meeting, we will hold our annual election for the Section officers and half of the program committee. If you belong to the AES (member or associate), then you can vote in our election, and **we need your attendance to ensure that we have a quorum.**

Follow this link to see the slate of candidates and their bios: [2016 Election Slate](#)

We Want YOU!

This is YOUR opportunity to give back to your Section. There are five committee seats that elect each year, and several vacancies. Of course vacancy or not, you can toss your hat into the ring. In addition, the Section Officers positions also re-elect at this time, however we ask that candidates for the Chair and ViceChair positions have previously served on the Section Committee.

The officers and section committee produce the meetings that you attend. Meeting topics come from the officer/committee group, as well as from you, our Audience. Sometimes a meeting topic just falls into our laps (like this month's meeting). Sometimes we have to rustle the bushes to see what we can make fall out. It's fun, and it keeps us on our toes. We meet via email rather than trying to coordinate everyone's schedule so that we can congregate somewhere.

If you are not a member (or associate), you may still run, however you must become a member

after winning the position. You may nominate yourself, now or at the June Election, or you can ask someone to nominate you.

[More Info](#)

Summer Road Trip?

Note from Rick Chinn: (revised June 28th)

well, it's summer. I think we got a collective yawn on the concept of renting a bus to go to Portland to visit Cascade Record Pressing (CRP). Besides, the whole thing was far too complicated. I got asked at the May meeting about where this was headed, and it got me thinking (again). So, how about we pick a weekday date in July or August that works for CRP and us, and we caravan down I5 to Portland. Each car bears its own costs. It'll take a day; more if you want to hang in PDX and do something; that's your choice. It can't be a weekend, so don't even think about asking.

We'll also try to visit Telegraph Mastering at this time. Telegraph is a small space, and we need to split our group into two smaller groups. Group A will visit Cascade, and Group B will visit Telegraph. Then, the two groups will exchange places. That said, we need to limit the size of the attendees to 16 (two groups of 8). Beyond that, do submit your name and we'll put you on the standby list.

--rick chinn

Swap Meet

The Antiquarian Radio Society will have its annual Swap Meet on Sunday, August 21, at 9am in a parking lot at Shoreline College. We are going to have a small group of AES-Folk placed together at it and want to find out the extent of your interest in being there and selling off some of your stuff. There is a large built-in attendance and we would like to take advantage of their event instead of organizing our own. There is a minimal cost to being part of it (\$15) but you don't have to be a member of either their group or ours to participate.

We will be together as a group and identify ourselves as members of the PNW AES Section, and we will do some extra promotion on Craigslist stating what we have to sell, independent of the ARS' promotion. We are considering tacking on a donation \$10 per seller to benefit our Section and hope you think that is both a good idea and a very nominal way to have a decent way to get rid of some stuff and support both groups.

Talk to Dan Mortensen at the June 29 meeting or send him an email at

National Elections

The AES National and International elections are taking place at this moment. Two people with ties to our section are running for offices and we encourage you to vote for them now.

- David Scheirman, who was Chair of this Section in 1996-97 is running for President of the Society.
- Steve Turnidge, who is currently our Vice-Chair but who has served in several other Section offices as well, is running for Western Regional Vice-President.

Both are deserving and having them in office helps further extend our abilities to get things done. Don't ignore that Bob Moses, AES Executive Director is a member of OUR section. Vote for whom you want but we hope you'll vote for Steve and David. The election closes at 5pm EST on July 8, 2016.

Chris Deckard

AES PNW 2015-2016 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.

2015-2016 Officers

Chairman Christopher Deckard	Vice- Chairman Steve Turnidge	Secretary Gary Louie	Treasurer Greg Mauser	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

Committee 1 Bob Smith	Committee 2 Mark Rogers	Committee 3 René Jaeger	Committee 4 Lawrence Schwedler	Committee 5 Dave Tosti- Lane	Committee 6 JJ Johnston	Committee 7 Dan Mortensen	Committee 8 Dr. Ivan Tashev	Committee 9 Dr. Michael Matesky	Committee 10 Rich Williams
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