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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.**

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**Radio Frequency Coordination for Live Events  
Presented by  
John (JC) Coulter  
The Seattle Center Sound Department  
and  
The Pacific Northwest Section of the AES  
Monday, April 18, 2016, 7:30pm  
The Art Institute of Seattle, South Campus, Room  
767-768 (usual place on the top floor)**

[Directions to the meeting venue.](#)

It's 2016 now, and more than six years since the auction of the 700MHz band. Wireless devices have been pushed into an even more congested area of the former UHF TV Spectrum, and a few new areas have opened up as well. The FCC isn't done yet, and the 600MHz band is about to be auctioned off. Don't ignore that our government is really hard up for money.

With more and more productions demanding wireless everything, frequency coordination becomes a very necessary part of any large event, especially if TV is involved. Some issues:

- How to coordinate a large number of wireless microphones, in-ear monitor systems, and intercom systems.
- How to evaluate the radio frequency spectrum at a particular location in order to accomplish the above.
- How the radio frequency spectrum can be very different at different times at a specific location, with a specific long-term example.
- The current auction attempt by the FCC to re-allocate the radio frequency spectrum (the 600MHz band), the current status of that ongoing auction, and its potential effects 3-5 years in the future which could completely change the available spectrum for wireless systems used in live performance.

Please join us on Monday, April 18th for an enlightening and engaging presentation. Bring your questions!

# Our Presenter:

## John (JC) Coulter

JC has been a sound technician at Seattle Center for 20 years, following a 10 year freelance career in the theater, as a lighting designer, technical director, sound designer and technician. He graduated from the University of South Carolina with a BFA in theater production in 1988.

His regional experience includes audio work at Seattle Opera, Glimmerglass Opera, The Kennedy Center, and numerous touring productions. A career highlight was the visit of the Dalai Lama to Seattle in 2008, where he served as the personal wireless microphone technician for the Dalai Lama at numerous venues throughout the week.

Since the opening of McCaw Hall in 2003, JC has been a lead system tech for the hall, contributing to design, installation, repair and renovation of audio, video, communications and control systems. He is the lead wireless technician for the Starbucks Annual Meeting, the Gates Foundation Company Meeting, and other events throughout the year.

## 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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