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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 (but is highly recommended).

October 2019 Meeting Notice

Acoustics -- the *black magic* of Architecture

With

Katie Gray - Stantec

Presented by The AES Pacific Northwest Section

Stantec Offices

400 Fairview Avenue North
Seattle, WA 98109

Tuesday, October 29, 2019, 7:30pm

[directions](#)

What exactly is architectural acoustics?

Why is it important, and how does it impact us all?

Come explore the "black magic" of architectural design, and learn about the world of acousticians. This presentation will cover acoustic isolation, interior room response, and mechanical system noise control as it applies to different types of buildings and projects. Learn how a building is typically designed and all of the different acoustical design decisions that go into each construction project. This presentation will include demonstrations of acoustic modeling, and examples of several project designs.

Our Presenter

Katie Gray is an acoustician with Stantec, a top-tier global architecture and engineering design firm. There her job is to make buildings sound good. She does this through her impressive knowledge of acoustics, supported by more than 20 years of musical training and experience in the violin and viola.

Katie additionally has experience working in psychoacoustics research at the Johns Hopkins University under Dr. Juan Huang and Dr. Xiaoqin Wang, focusing on the relationship and influence of time on the

perception of consonance and dissonance.

She has worked on all types of projects in architectural acoustics, including recording studios, theaters, schools, hospitals, and commercial offices.

Katie Gray holds a M.A. in Acoustics from the Peabody Institute of the Johns Hopkins University, and a B.M. in Violin Performance from Towson University.

[Stantec corporate website](#)

Greg Dixon

AES PNW 2019-2020 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.

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