

Google Chrome users: be sure to refresh your browser window to get the latest content.

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.

February Meeting Notice

More Topics in Loudness - ?Microdynamics?

Presented By

JJ Johnston - Independent Audio and Electroacoustics Consultant

Thursday, February 12, 7:30pm

Digipen, Plato Auditorium

9931 Willows Road NE, Redmond, WA 98052

[Directions to Digipen](#)

You may have noticed that the word "microdynamics" is punctuated oddly. That's because there isn't one agreed definition. In this talk, the discussion of dynamic range from the talk about a year ago will be extended, again using a simple loudness model, to examine what dynamics and microdynamics might actually mean. The script `lplt_t.m` is also present on this site, and can be run in 32 bit freeware "octave", or with minor modifications, in MATLAB. In the talk, we will rehash the idea of loudness, point out what dynamic range might be interpreted to be in terms of loudness, and then examine how looking at loudness as a function of time might produce something that can be regarded as "microdynamics", along the way showing the weaknesses of the histogram plot of loudness from which so many other things can be discovered. Some issues of loudness analysis length will be raised, which can lead to slower processing, but immediate improvements in the actual estimation of "microdynamics".

If desired and time permits, the actual workings of the `.m` file are open for discussion, and room for various modifications and improvements can be pointed out.

[Powerpoint deck for JJ's presentation](#)

[lplt_t.m Octave script](#)

[Octave Installation powerpoint](#)

Steve Malott

AES PNW 2014-2015 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.

2014-15 Officers

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

Program Committee

Committee 1	Committee 2 Mark	Committee 3 Christopher	Committee 4 Lawrence	Committee 5 Daniel	Committee 6 JJ	Committee 7 Dan	Committee 8 Dr. Ivan	Committee 9 Dr.	Committee 10 Rich
----------------	------------------------	-------------------------------	----------------------------	--------------------------	----------------------	-----------------------	----------------------------	-----------------------	-------------------------

Last modified 11/20/2014.