

## Virtual Education Lab: Where are we in the ARC Virtual Education Lab curriculum?

For those of you that may just be joining us, let us review where we are in the educational curriculum. We began the post with DR 220401, introducing the new Acoustical Research Center (The ARC), consisting of the Experimental Measurement Lab, the Virtual Simulation Lab, and the Virtual Education Lab, shown in Figure 1.

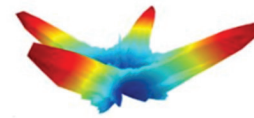
We began a virtual, education curriculum of weekly posts describing the theory, design, and application of acoustical surface treatments, with this description of the capabilities of the ARC, the resources of my publications, ([https://scholar.google.com/citations?hl=en&user=cLE185sAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=cLE185sAAAAJ&view_op=list_works&sortby=pubdate)), the content in my reference books with Prof. Trevor Cox (Acoustic Absorbers and Diffusers: Theory, Design and Application, 3<sup>rd</sup> Ed., CRC Press (2017)) and the Master Handbook of Acoustics (F. Alton Everest and Ken Pohlmann, 7<sup>th</sup> Ed., McGraw Hill (2021)). The topics discussed thus far are available in all of the prior #DiffuseReflections and #DrPeterDAntonio posts.

With DR 220901, we concluded the last post in the Reflection syllabus. In the next post, we begin a new syllabus, with a thorough discussion of Diffusion, Figure 2.

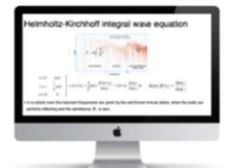
Thank you to all of our regular viewers and invite new researchers to join our network in a spirit of discussion and collaboration.



Experimental Measurement Lab



Virtual Simulation Lab



Virtual Education Lab

Figure 1. Components of the Acoustical Research Center.

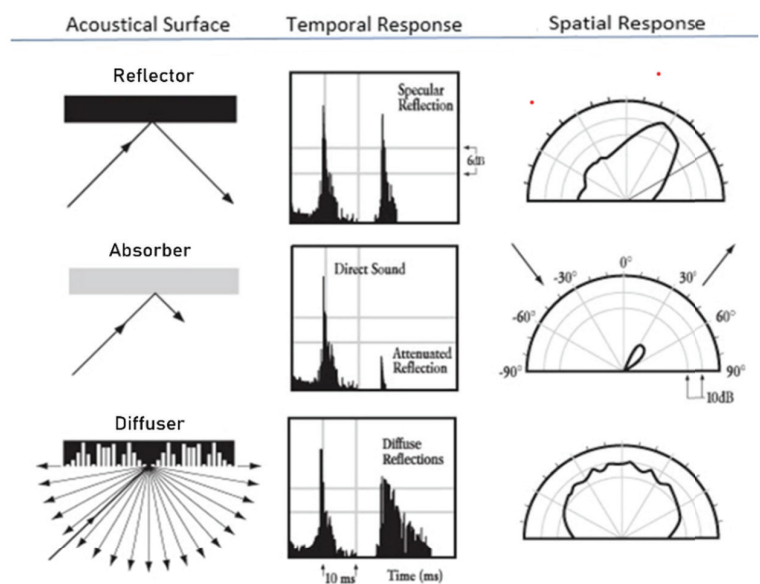
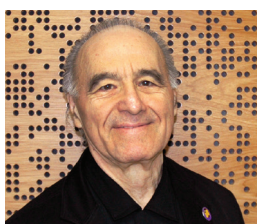


Figure 2. Temporal and spatial response of acoustical surfaces treatments.



*Peter D'Antonio*

**Dr. Peter D'Antonio**  
Director of Research  
Acoustical Research Center

