



香港聲學學會

Hong Kong Institute of Acoustics

Technical Webinar on A Review of 4 Decades of Architectural Acoustics Research, Development and Application

Introduction

In this Webinar, Dr. D'Antonio will introduce his background and review his architectural acoustics research over the past 4 decades. It will cover the evolution of the reflection phase grating from the QRD to the current Modulated Optimized Diffusor (Moddiffusor) and Waveform curvilinear diffusors. He will then describe the design of the current Acoustical Research Center (ARC) at RPG Acoustical Systems, LLC, offering measurements of the absorption, diffusion, and scattering coefficients. It will end with a description of the first wave based, iterative, program to optimize the design of a critical listening room, called NIRO, offered as a service by REDI Acoustics, LLC.

Speakers - Dr. Peter D' Antonio, Founder of RPG & CARI (Chesapeake Acoustic Research Institute, Director of Research REDI Acoustics)

Peter D' Antonio pioneered the sound diffusion industry and suggested test standard for diffusion and scattering coefficient. He founded RPG in 1983 and holds many trademarks and patents for diffusing and absorbing technology. As a musician and recording engineer, he developed widely-used design for recording studios since 1974 utilizing a temporal and spatial reflection zone and reflection phase grating diffusors.

Dr. D' Antonio is Fellow of the Acoustical Society of America and the Audio Engineering Society. He published widely and is the co-author of the book "Acoustic Absorbers and Diffusers: Theory, Design and Application" published by CRC Press.

Webinar Detail :

**Date: 29 Oct 2020, Thursday
(7:00 pm – 8:00 pm)**

Medium : English

CPD: 1 CPD hour

Webinar Platform: ZOOM

Fee: HKIOA Free of Charge

Enquiry: admin@hkioa.org



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