



SynAudCon “OptEQ Workshop” Offers Hands-On Sound System Tuning Training

Greenville, IN (November 2014) – Even with the best signal processing and measurement tools available in audio history, today’s sound systems often perform far below their potential.

SynAudCon’s “OptEQ Workshop” – An Optimized Sound System Tuning Process – takes place in Dallas on January 5-6, 2015. The two-day seminar offers attendees a comprehensive approach to sound system tuning that combines contemporary and legacy design and equalization practices into a logical, accurate, repeatable process. The workshop will be presented by industry veterans John Murray, Deward Timothy and Pat Brown (SynAudCon).

OptEQ is designed as a layered approach to sound system optimization. Layer 1 happens at the drawing board with system design. Layer 2 is direct field optimization that produces reference response for the loudspeaker that confirms it is functioning as designed and to full potential. Layer 3 addresses the effects of overlapping coverage patterns from multiple sources – managing interaction makes equalization possible. Layer 4 uses multiple microphone placements to determine the best compromise for the entire listening area. Lastly, layer 5 addresses room resonances using dual domain approach.

“OptEQ is a set of tenants that are not dependent on a specific measurement or prediction platform,” explains Pat Brown, SynAudCon owner and instructor. “It’s based on principle, not products. When you know the objective, you can get there with the available tools.”

The workshop will utilize dual-channel FFT analysis, frequency-dependent time windowing, Axial Position Optimization (APO), Precision Alignment and Tuning (PAaT), Multi-Point Commonality (MPC) analysis, Room Resonance Compensation (RRC), prediction methods for non-measurable responses and FIR and IIR/analog filter topologies.

The seminar will be presented at the American Airlines Convention Center in Dallas, Texas on January 5 & 6, 2015. Pat Brown, along with John Murray and Deward Timothy will lead the workshop. The training immediately follows SynAudCon’s recently announced “Making Wireless Work” seminar that is scheduled for January 3 & 4, 2015, also in Dallas at the American Airlines Convention Center.

More information about both workshops can be found on the SynAudCon website www.prosoundtraining.com

Registration for this event is available online or by contacting SynAudCon at [812-923-0174](tel:812-923-0174). Each seminar is approved for 16 Renewal Units.

Hi-res photo attached.

Left - right: Deward Timothy, John Murray and Pat Brown.

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About SynAudCon

Synergetic Audio Concepts (SynAudCon) is the leading provider of real world audio education through web-based training and in-person seminars offered throughout the world. For more than 40 years, SynAudCon has been devoted to providing practical, in-depth training on the principles of audio and acoustics. For more information visit: www.synaudcon.com.