rational acoustics

DAY 1

9:30 – 10:00 AM	Attendee arrival/Coffee
10:00 AM – 11:30 AM	Introduction / Welcome Fundamental Analyzer Concepts
11:30 AM	Break
11:45 AM – 1:30 PM	Configure Dante Network Smaart v8 Program Overview Single Channel Analysis: Spectrum Configure, Control and Measure
1:30 PM – 2:30 PM	Lunch
2:30 PM – 4:30 PM	Dual Channel Measurement fundamentals part 1 - Frequency Response
4:30 PM – 4:45 PM	Break
4:45 PM – 6:00 PM	Transfer Function Configure, Control and Measure Transfer Function Applications; Room, EQ, Result technique

DAY 2

9:30 – 10:00 AM	Attendee arrival/Coffee/computer set-up
10:00 AM – 11:30 AM	Welcome / Questions from previous day/Review Configuration
11:30 AM	Break
11:45 AM – 1:30 PM	Dual Channel Measurement fundamentals part 2 - Phase Response
1:30 PM – 2:30 PM	Lunch
2:30 PM – 4:30 PM	Impulse Response Mode
4:30 PM – 4:45 PM	Break
4:45 PM – 6:00 PM	Transfer Function Applications: Using Phase and Impulse Response for crossover alignment (Mains and Subwoofer timing)

DAY 3

9:30 – 10:00 AM   Attendee arrival/Coffee

10:00 AM – 11:30 AM   Welcome / Questions from previous day
                              System Alignment Goals & Key Concepts

11:30 AM   Break

11:45 AM – 1:30 PM   Microphone Positioning

1:30 PM – 2:30 PM   Lunch

2:30 PM – 4:30 PM   Combining / Extending Systems & Coverage
                              5-minute Delay & Relay systems

4:30 PM – 4:45 PM   Break

4:45 PM – 6:00 PM   Low Frequency Analysis, Subwoofer Timing, LF Steering & Directionality

IMPORTANT NOTES:

- This class is conducted using a multi-channel digital audio distribution system utilizing Dante Virtual Soundcard. All students MUST have an Ethernet port on their class computers and have both Smaart v8 and Dante VSC installed and running.

  - A demo version of Dante VSC is available at http://www.audinate.com
  - A demo version of Smarat v8 is available at http://www.rationalacoustics.com/smaart/demo-smaart/

- If you are new to the Smaart platform, or to system measurement in general, please read the Smaart v8 User Guide (http://www.rationalacoustics.com/download/Smaart-v8-User-Guide.pdf) prior to arrival at class.

- If you are already familiar with Smaart version 7, you can read the "Smaart v8 for v7 Users" document (http://www.rationalacoustics.com/download/v8-New-Features-Overview.pdf)

- The course outline above is guide only. Schedule and/or topics are subject to change according to student needs, translation delays or other extenuating circumstances.