

Audio and Acoustics for Conference Systems Workshop
Sept 16-18, 2010
Sweetwater Auditorium - Fort Wayne, IN

Sweetwater - Auditorium - <http://www.sweetwater.com/feature/tour/>

Who Should Attend?

This workshop is for anyone who works with audio conferencing systems as well as microphone and loudspeaker applications in small rooms.

Suggested Prerequisite: Level 100 Online Training

Supplies Needed: Just yourself with an enthusiastic attitude. This will be an great learning opportunity!



Workshop Description

Audio and video conferencing systems are only deemed successful if they are easy to use, reliable, and capable of providing clean and intelligible communication between connected parties. Unfortunately, many systems fall short at this effort due to a variety of factors.

This workshop will provide attendees with an organized approach to the design and commissioning of audio conferencing systems, with attention paid to the interrelated issues of architectural acoustics and noise associated with conferencing venues.

Design principles will be demonstrated in simulated conference rooms using equipment provided by a variety of manufacturers.

Extensive attention will be paid to the correct use and adjustment of echo canceling mixers with real world demonstration.

What You Will Learn

Microphone selection and placement for a conference room system

Predicting and increasing the acoustic gain of my system

Integrating a conference system with the room's sound reinforcement system

Echo cancelling and how it works

Noise cancelling and how it works

Noisy systems and setting gain structure

The definition of Video Codec and Telephone hybrid and how to integrate them

Logical and repeatable processes for commissioning the system

"Tools of the Trade" for commissioning and troubleshooting conference systems

Designing, documenting, constructing, outfitting, and commissioning a conference space

Working with the design and construction teams

Insuring client's budget, schedule, and performance expectations are in line

Practical design criteria with regard to acoustics, noise control, and sound isolation

Key factors in small room acoustics that will best support conferencing

Making sense of acoustical material specifications and applying them effectively for best results

Protect the performance of a conferencing system by controlling the acoustical performance of the space

Main considerations for practical sound isolation construction

Taming noise from HVAC and mechanical systems

What to look for in the field during construction with respect to acoustics and noise control



Instructors:

Jay Paul, Vice President with integrator AVI-SPL in Columbia, Maryland, has worked in the audio and AV industry for 33 years. His positions have included

Live sound engineer for numerous club and concert acts

Audio engineering supervisor, technician, and system designer for prominent Atlantic City casino showrooms

Sound system consultant operating as sole proprietor and a stint principal audio designer for noted acoustical consultancy

Project manager/engineer for two leading AV integrators

Mr. Paul's project resume includes design and commissioning of systems used for performing arts, worship, auditoria, courtrooms, classrooms, boardrooms, meeting rooms, and conference spaces, with a substantial concentration on the design and commissioning of audio and video conferencing systems. Over the course of the last ten years he has functioned as a troubleshooter for difficult or critical projects.



Other industry activities include chapter contributor to the BICSI AV Design Reference Manual, member of Infocomm, NSCA, and the Audio Engineering Society, and editorial advisory board for ProAV magazine.

Jay has attended his first Syn Aud Con seminar in 1983, and a total of nine workshops and seminars since. He resides in Ellicott City Maryland with his wife Terry and three children.

Mario Maltese - Mario received his MSEE (Electro physics) from Stevens Institute, New Jersey, and his BSEE (Microwave Engineering) from Pratt Institute, New York. Commissioned as a Signal Officer in the USAR, Mario fulfilled duties that, besides command, included Training and Maintenance Management. He is a member of the Audio Engineering Society, the Institute of Electrical and Electronic Engineers, the Amateur Satellite Corporation (AMSAT), a Senior Member of the American Society for Quality, a Certified Technology Specialist Design (CTS-D) and Install (CTS-I) and holds an Amateur Extra Class FCC license. He was the technical committee chair for ICIA's job force development initiative in the Skills USA national competition. He is currently a Senior Faculty member at the Infocomm International Academy, and formerly the Curriculum Subcommittee Chair for the Professional Education and Training Committee of Infocomm (PETC). Awarded the prestigious "Educator of the Year 2004-2005" by PETC. Published the definitive work on AV Systems Commissioning, "AV 9000: Defining Quality in Engineered Audio Visual Systems". He is often quoted and published in major trade journals.



Russ Berger is president of Russ Berger Design Group (www.rbdg.com), an acoustical and architectural design firm in Dallas, Texas, that has established itself as one of the industry's premier studio/facility design firms.

The recipient of eight TEC awards for acoustics and facility design, Russ has more than 2,500 projects to his credit, including recording, video, post production, radio, and television broadcast studios, creative production spaces, home theaters and critical listening environments. Projects include NFL Films, National Public Radio, NBC, ABC and CBS, Sony Music Entertainment, Lakewood Church, Sweetwater, World Wrestling Entertainment and the Pro Football Hall of Fame.

He has provided studio design for Whitney Houston, Michael Bolton, Mariah Carey and Steve Miller, as well as countless recording studios across the United States. His past experience in the studio as musician, engineer, and owner gives him unusual insight as a consultant into all aspects and phases of technical facility design.



Russ is a Fellow of the Acoustical Society of America, currently is President of the National Council of Acoustical Consultants, and is a member of the Audio Engineering Society, SMPTE and CEDIA. He is one of the original licensees for performing TEF measurements, and is the 2007 recipient of the prestigious Heyser Award.

Russ has lectured extensively on facilities planning, small room and studio acoustics, audio electronics and audio monitoring. An advocate for education, he has taught graduate-level seminars on studio design and serves on several university advisory boards. Russ frequently contributes articles to industry journals and trade publications, covering topics on acoustics, architecture, and design.

Hotels and Travel Information

We have sleeping room blocks in two hotels.

Don Hall's Guesthouse - <http://www.donhalls.com> 800-348-1999

(The evening events will take place at this hotel.)

Room Block: #917 - SynAudCon Seminar.

Do NOT use the online reservation form.

Room Block Released on August 4, 2010



Nightly Price:

\$79 - double bed / single person - This include one breakfast entree and one dinner entree

\$89 - double bed / two people - This includes two breakfast entrees and two dinner entrees

\$89 - King bed / single person - This include one breakfast entree and one dinner entree

\$99 - King bed / two people - This includes two breakfast entrees and two dinner entrees

Amenities:

Complimentary Breakfast

Complimentary Dinner

Airport Courtesy Shuttle - call in advance and arrange for pickup.

Full Service Restaurant

Live Entertainment in the Evenings

Courtesy Shuttle to Sweetwater if pre-arranged.

Complimentary High Speed Internet

Free Parking

Located 3.3 miles from Sweetwater.

Older hotel but it is clean and it has character.

Locally owned

Fairfield Inn & Suites - <http://www.marriott.com/hotels/travel/fwaff-fairfield-inn-and-suites-fort-wayne/>

Reservations: Call 260.442.3040 and ask for Synergetic Audio Concepts Group.

Do NOT call central reservations.

Room Block Released on August 25th, 2010

Nightly Price: \$89

Amenities:

Complimentary Breakfast

New hotel - built in 2008

No Airport shuttle available

Free Parking

Complimentary Wireless Internet

Located 3.1 miles from Sweetwater

Complimentary passes to a gym nearby.



Special Events:

Thursday Evening - 7pm- until - Join us in the "Synergy Room" at Don Hall Guest House for opportunities to connect with other industry professionals.

Friday Evening - 7pm-9pm - Sit in on our panel discussion with the Manufacturers to pose questions and discuss facilitataing the use of thier products

Primetime will be playing in the lounge at Don's Guest House. Sweetwater's owner Chuck Surack is in this band.

