

AES DAILY

day1
thursday
edition

SERVING THE 141ST AES CONVENTION • september 29-october 2, 2016 los angeles convention center, los angeles, ca

+BREAKING NEWS

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Gear Trends Underscore Cautious Confidence in B'cast/Post

By Steve Harvey

As the professional audio industry converges once again on Los Angeles and the annual AES Convention, it's worth looking to retail to provide some indication of the state of the audio industry. In broadcast and post production, at least, business appears to be good, driven in no small part by the revenue generated by two quadrennial events, the *gear trends* on page 37



MAKING IT HAPPEN The 141st International AES Convention Committee, led by Co-Chairs, Michael MacDonald and Valerie Tyler (lower left), worked diligently to produce the outstanding line-up of 200-plus technical sessions for this year's Convention.

Krivit Celebrates Fruitful Year at AES Helm

By Strother Bullins

Surveying his time at the helm of the AES, outgoing AES President John Krivit has much to celebrate. Krivit is an award-winning audio educator at Emerson College and Bay State College in Boston and curator of 9,000-plus member "Hey Audio Student" Facebook group. Add presidential duties to the mix and Krivit has



John Krivit, audio leader and holistic industry guide

well lived the role as audio leader and holistic industry guide, all made evident through numerous successes.

Launched during his reign, Krivit celebrates the new AES website with its unlimited E-library access for members, noting the importance of Society-gleaned informational and educational *krivit* on page 38

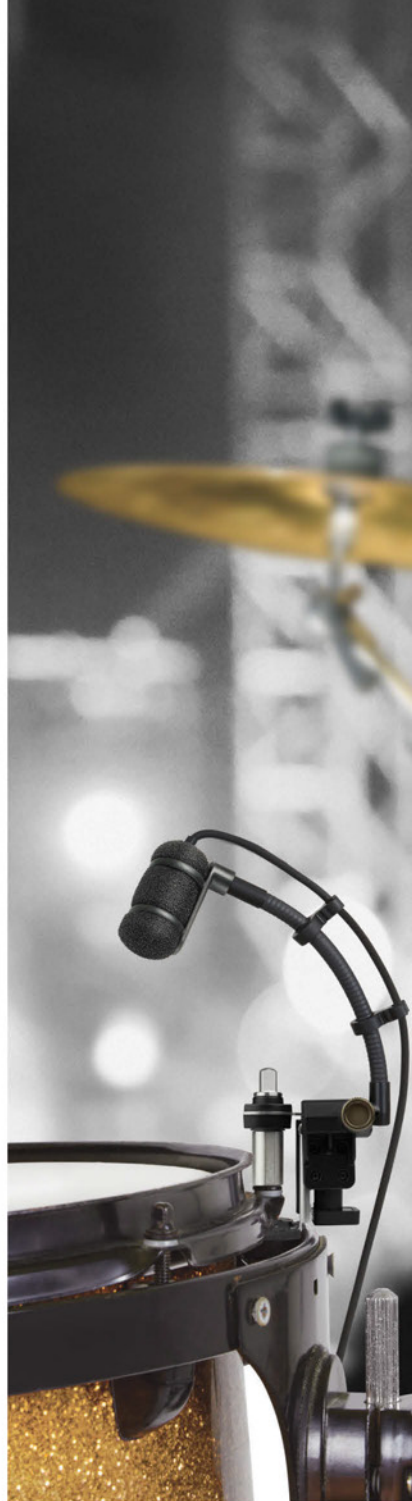
Immersion Is in at AES

By Clive Young

The AES Convention returns to Los Angeles today, sporting a theme of "Immersed in Audio," and it fits. As soon as visitors walk into the L.A. Convention Center, they'll be surrounded by the latest in everything pro audio, from recording to post to live sound to audio for Virtual Reality and Augmented Reality. In short, if it has anything to do with the cutting edge of professional audio, it's here, waiting to be discovered, seen, learned and most of all, heard.

Unlike the last time the convention was here in L.A., the exhibitor floor opens right away, so you can hit the ground running. Make the most of this great opportunity to visit with the companies whose gear and technologies you use every day. Meandering the floor always reveals innovative new exhibitors you never heard of, cool creative applications that you never considered before and new equipment that might change the way you work forever.

Make sure to catch the opening ceremonies though, which will honor some of the greats of pro audio and also feature a key-*immersion* on page 38



COVERED | The New ATM350a Instrument Microphone Systems



Whatever your instrument, Audio-Technica has an ATM350a microphone system to ensure it sounds great. Not only does this cardioid condenser come with an array of mounts – many with a re-engineered, robust gooseneck built to stay where you set it – but it also provides clear, well-balanced response (even at high SPLs). So no matter what, where or how you play, the ATM350a has you covered.

audio-technica.com



woodwinds



piano



universal



drums



strings

 **audio-technica.**
always listening

Clive's Live Sound Picks

By Clive Young

If someone tells you “the AES Convention is just for recording people,” now you can fact-check ‘em, because it’s not true! In fact, more than 25 percent of the convention’s attendees are live sound pros, and once again, there’s plenty of sound reinforcement fun to be had every day of the show. Here’s just a few primo picks for Thursday:

■ **Live Mixing Academy—Console Layout & Workflow; 3 p.m.** What do Tom Petty, Rush, Def Leppard and Prince all have in common? They’ve all turned to Robert Scovill of Avid Technologies to engineer their FOH sound. Today, Robert shares his insights and experience at the Live Sound Expo as he discusses building an input list; laying it out not only for easy operation, but to fit into festivals and fly-in situations; building mute groups and VCAs; and lots more.

■ **AES67: Audio Networking Today & Tomorrow; 11 a.m.** Networking is increasingly the name of the game in live sound, and at this Live Sound Expo panel, pros from QSC, Bosch Communications, Yamaha Professional Audio and TC Applied Technologies will weigh in on everything Dante, AES67 and AVB and where they stand in current and future audio networking for live sound.

■ **Political Audio: Sound for Past and Recent Presidential Debates and Conventions; Room 408B, 2:15 p.m.** You saw the debate the other night; now get the scoop on how it was done (and whether someone had a bad mic) at this panel with consultant Ken Fause and Sound Designers Patrick Baltzell, Stan Miller and Michael Abbott. They’ll discuss sound aspects of the Republican and Democratic debates and conventions, the Presidential debates, and how the inaugurations were handled in the distant and recent past.

■ **Mixing for Immersive Live Sound Events; Room 408B, 4 p.m.** Immersive audio isn’t just for VR and home theaters anymore. An all-star panel of spatial audio production pros will share their knowledge and real-world experience working with multichannel loudspeaker and panning formats, including ambisonics, vector-based panning systems and more, in the live sound realm.

Yamaha Brings It All to 141st AES

BOOTH 603 Yamaha Professional Audio is spotlighting a full house of new and existing products specifically geared to the professional audio, post, live sound, sound reinforcement and broadcast markets. The lineup includes the flagship RIVAGE PM10, along with CL and QLV4, TFFV3 Digital Audio Consoles, new TF Rack, R Series input/output boxes, SWP1 L2 Network Switches, state-of-the-art NUAGE V1.8 Advanced Production DAW System, NEXO ID24 speakers, DTD controller and amplifiers.

The new Yamaha TF-Rack offers the same levels of performance and operability found on TF series mixers in a space saving rack mount design. Most operations are easily controlled via a large touch panel allowing quick and efficient workflow, allowing both beginners and seasoned engineers to get great sound quickly.

The Yamaha RIVAGE PM10 Digital Audio Console is fast becoming the talk of live sound/sound reinforcement mix engineers around the globe. The flexible NUAGE V1.8 system features tight DAW software integration, groundbreaking operability, modular architecture and Dante networking capability. Version 4 for Yamaha CL and QL Digital Audio Consoles, now available, with over 16 new features added including new EQ algorithms inherited from RIVAGE PM10, a Secondary Cue Bus and the MBC4 Multiband Compressor.



Yamaha's TF-Rack



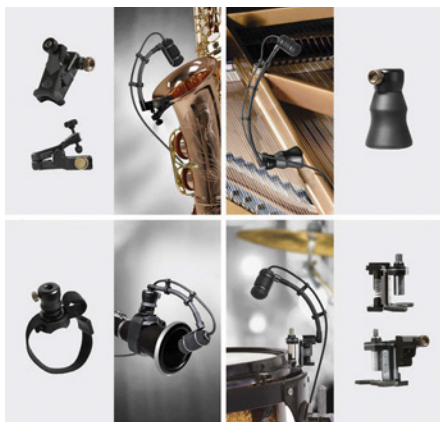
WAVES AUDIO, BOOTH 721 Waves Audio Product Specialist Jeremiah Clever shows the new Waves Abbey Road Vinyl plug-in—a precise model of Abbey Road Studios’ vinyl cutting and mastering gear—on the SoundGrid Connect platform, which allows users to connect any ASIO/Core Audio-compatible audio interface to SoundGrid technology to dramatically boost the capacity of their system.



FOCUSRITE/NOVATION INC., DEMO ROOM 514 President Phil Wagner and RedNet National Accounts Manager Kurt Howell, pictured in front of the RedNet mic pre and analog I/O rack system being made available by Advanced Audio Rentals of Burbank, CA.

Audio-Technica Introduces ATM350a Microphone Systems

BOOTH 503 Audio-Technica is displaying its new ATM350a Microphone Systems. Offering crisp, clear, well-balanced response even in very high SPL applications, the ATM350a Cardioid Condenser Instrument Microphone comes in six specially designed systems that provide discreet, rock-solid mounting solutions for a host of instruments, including woodwinds, strings, brass, percussion, drums and piano.



Audio-Technica's ATM350a Cardioid Condenser Instrument Microphone with UniMount Mounting Components. Microphone mounts shown separately are AT8491W Woodwind Mount (top left), AT8491U Universal Clip-on Mount (top right), AT8941D Drum Mount (bottom left) and AT8941P Magnetic Mount (bottom right)

pickup and protects against feedback. The mic's in-line power module incorporates

a switchable 80 Hz hi-pass filter to help control undesired ambient noise.

Following in the footsteps of the popular ATM350, the ATM350a is capable of handling 159 dB max SPL, a 10 dB increase over its predecessor. This allows the mic to cope with an even greater range of extremely powerful, dynamic sound sources. Like the ATM350, the new mic features a cardioid polar pattern that reduces side and rear

The six ATM350a Microphone Systems combine the instrument microphone with unique UniMount components, giving sound engineers and musicians plenty of dependable mounting options when working on stage or in the studio.

Today's PMC 'Masters of Audio' Sessions

10-11 a.m.

PMC Student Playback: Bring your own music and play back on the biggest PMC system ever!

12-1 p.m.

Francesco Cameli: The (re) birth of Sphere Studios Los Angeles

2-3:30 p.m.

Dan Shores: The diversity of an engineer in 2.0 and 5.1

4-5 p.m.

Student Recording Critique Sessions: Pointers, tips, tricks and advice to push your skills

Strother's Picks: Listen Closely

By Strother Bullins

As expected, audio production techniques and tools abound at the 141st AES Convention. Yet skillful listening, arguably the most important component of audio processing, is underlined on the first full day of the convention.

"The Art, Study and Practices of Listening," hosted by McGill University's Martha de Francisco at 9 a.m. in Rm 402 AB, emphasizes active listening techniques in music performance, sound recording engineering and production and instrument manufacturing, among others. Discussion of other approaches to listening as part of psychoacoustics, perception and cognition in neuroscience, education, etc., promise to make this an intriguing kick-off to the day.

A Knowledge Center Seminar at 10 a.m. in Rm 515B, "Student Playback" is hosted by PMC, in which a massive high-resolution monitoring rig is ready for collaborative critiques of one another's stereo or surround sound projects. This promises to be a unique opportunity for skills evaluation amongst student peers and a great environment for networking, too.

A Broadcast and Streaming Media event at 10:45 a.m. in Rm 408A, "Listener Fatigue and Retention," boasts a six expert panel discussing the physiological and psychological aspects of this phenomenon. Founder and former President of Aphex Systems, Marvin Caesar, serves as moderator. This should be an interesting and spirited discussion.

At 4 p.m., the Genelec and PMC-sponsored "Student Recording Critiques" in Rm 515B bookends Thursday's listening theme, where students share their productions via world-class playback system followed by helpful feedback from attending professionals. To participate, students should apply at the student (SDA) booth immediately following the first associated event of the morning.

RTW Unveils New MM3 MusicMeter

BOOTH 203 (AVID PAVILION) RTW is unveiling its brand-new MM3 MusicMeter to the U.S. market at AES 2016. This new addition will give users the ability to implement loudness metering into music-based applications with flexibility and ease.

The MM3 MusicMeter features the superior accuracy that RTW is known for and provides the user with vectorscope, PPM/TruePeak or VU, real-time analyzers, Loudness vs. Time charts, along with numerical and graphical loudness display and zoom modes, all with a simple swipe of the screen. With the ability to view the display in both vertical and horizontal modes, the MM3 MusicMeter can fit into any workflow. In addition to the available features, the MM3 supports audio inputs including analog, SPDIF and USB, while an SPDIF output delivers a buffered stereo signal or downmix from a 5.1 stream.



RTW's MM3 MusicMeter

Ultimate De-essing

Come and
see us at
booth #917
and get your
personal
demo!

e²deesser



The e²deesser is your ultimate de-essing tool:

It is designed to be extremely easy to use for musicians and audio enthusiasts, along with the versatility, power and reliability that are required by the most demanding mixing engineers.

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(s)

Neutrik Features Xirium Pro Cable Replacement System

BOOTH 1006 Neutrik's Xirium Pro Wireless Digital Audio System is designed as a cable replacement system. It provides audio signals to and from devices without long or complicated cable runs and delivers studio quality, full bandwidth, FCC license-free audio with extremely low latency free of any compression. Neutrik's



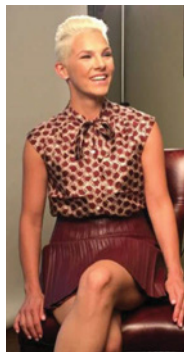
Neutrik's Xirium Pro cable replacement system

DiWA (Digital Wireless Audio) technology provides compression-free, wireless transmission of audio within the 5 GHz band, delivering "cabled" 20 Hz-20 kHz audio performance. Further, Xirium accomplishes this with extremely low latency—less than four milliseconds—regardless of how many Xirium

Pro devices are used. All signals are sample accurate with no "slippage" in signal timing.

Xirium Pro is a modular system providing maximum flexibility of signal type, with input and output modules available for analog, AES and Dante. The system facilitates the transmission of all three audio formats with transmission distance "cable replacement length" of greater than half a mile (>1 Km line-of-sight). Xirium Pro works with mixed signal types, including analog TX (transmission) to AES RX (receive), Dante TX to analog RX, etc. Xirium Pro accepts Neutrik powerCON TRUE1 connectors, eliminating 'wall wart' power supplies.

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Danielle Leopardi

Direct Sound Names Leopardi as COO

BOOTH 1002 Direct Sound is appointing Danielle Leopardi as Chief Operating Officer. The announcement reflects the company's widening market focus, marked by recent restructuring and new product development and introductions. Over the last year, the company has invested millions into its new High Precision Audio (HPA) EXW-37 headphones, Mixwan wireless technologies for live sound and recording studios and other related technologies to be announced soon.

"Danielle is an expert in celebrity and product branding," says Direct Sound CEO Steve Rois, "working with the likes of 'The Shark' Daymond John of ABC's *Shark Tank*; Quinton Aaron, star of the *The Blind Side*; Danielle Staub of *The Real Housewives of New Jersey*; three-time Grammy Award Winner Wyclef Jean; 'Squints' of the classic baseball movie *The Sandlot*; and NFL Super Bowl Champion Walter Thurman III. She is one of the many new talents on our team and will be a great asset as we move forward to accomplish our goal of making music just that much sweeter."

ShowNews Dave Smith To Deliver Heyser Lecture

Legendary instrument designer and "Father of MIDI" Dave Smith will give the convention's Richard C. Heyser Memorial Lecture tonight at 6 p.m. at the Los Angeles Convention Center. The presentation, titled "Synthesizers: From Analog to Digital to Software to Analog," will explore the ongoing evolution of instrument design and synthesis and the 50-year history of the synthesizer and its impact on music and audio.

The Heyser Lecture is part of the Special Events schedule, open to all convention attendees.

As a pioneer in fundamental synthesizer and MIDI design, Smith will relate his 40-plus years in the industry at the AES Los Angeles Convention.



Synthesizer design pioneer and 'Father of MIDI' Dave Smith

Steve's Potpourri of Picks

By Steve Harvey

As the 141st AES Convention gets underway, you may wish to delay your tour of the exhibits for an hour in order to go "**Brunching with Bonzai.**" Audio industry stalwart Mr. Bonzai (David Goggin) will chat with legendary producer and engineer Jack Douglas, and his son, Blake, a successful engineer and studio designer, about music, motivation and industry trends (Rm 502A, 9:30 a.m.).

A panel of veteran mixers and engineers will look back at some major milestones in the television and movie industries during "**The Evolu-**

tion of Audio and Sound: A Look Back to the Moments That Matter" (Rm 408A, 2:15 p.m.), a coproduction with the Society of Motion Picture and Television Engineers. Discussion topics are expected to include the transition to digital production and post production and the emergence of immersive audio formats, and, no doubt, plenty of personal memories.

Object oriented audio has brought customization and personalization of television broadcasts into the home, along with an almost bewildering choice of playback formats and speaker configurations. "**Immersive and Object**

Oriented Audio Playback in the Home" (Rm 408A, 4 p.m.) will cover the latest developments that are bringing more advanced and more flexible audio into the home.

Virtual reality brings with it a host of new challenges for audio practitioners, including the difficulties of trying to mix three-dimensional music and sound while referencing a two dimensional picture, no clear workflows and the absence of industry standards. A panel of experienced game audio professionals will discuss their solutions and the balance between aesthetics and technology during "**Implementation and Mixing for VR Games as Both Art and Science**" (Rm 502AB, 4:15 p.m.).

API Unveils New Legacy AXS Console

BOOTH 421 API is introducing the next addition to its lineup of Large Format Recording and Mixing Consoles with the AES Exhibition debut of the Legacy AXS Console. The new Legacy AXS continues API's commitment to an all-analog signal path with an expanded and powerful feature set. The console frames range from 32 to 80 channels, with each channel offering dual input capability and access to two API 200 Series module slots.

One of the new aspects of the design is a return to the traditional 1.5-inch module width standard, which allows for the use of API 500 Series Equalizers on a per-channel basis. The console also features a complete Center Section that includes six Automated Stereo Echo Returns with motorized faders, 5.1 Surround

Monitoring and a built-in 2500C Stereo Bus Compressor, along with onboard or remote patch bay facilities to complete the system. A DAW/Producer's Desk is one of many customizable options available.

The first AXS console has been ordered by Strange Weather Studio's Marc Alan Goodman and Daniel Schlett for an extensive upgrade of their successful Brooklyn, NY, facility.



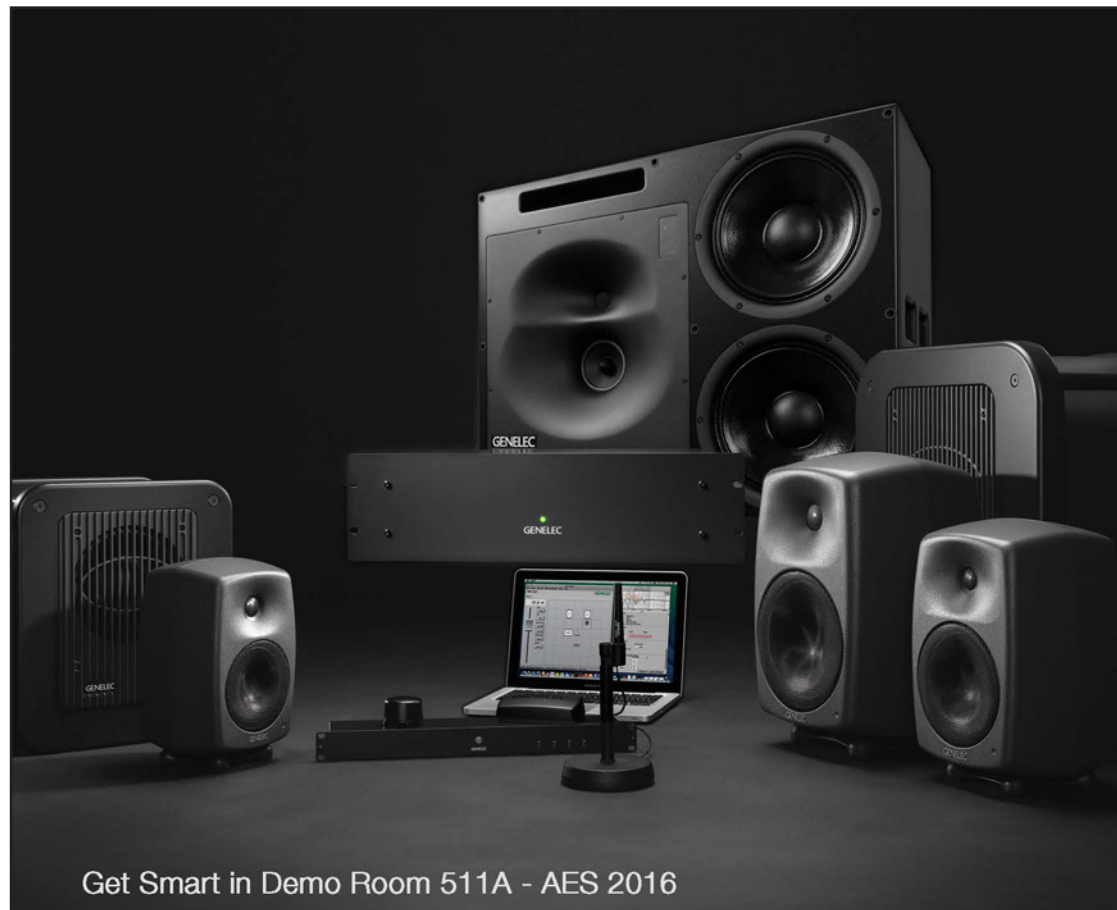
API's Legacy AXS console

Schurter KEA Now V-Lock Compatible

BOOTH 731 Schurter's compact KEA series power entry module, with 1- or 2-pole fuseholder, now mates with V-Lock cord sets. The KEA's new V-Lock compatible feature prevents unintended disconnection of the power from the equipment.

Unlike wire bail or clamp accessories, no additional costly hardware is necessary to install the cord retaining system. The cord set safely latches into a notch in the plastic housing of the KEA. Removing the cord set is easily achieved by depressing the latch. V-Lock power cords are offered in a wide range of international plugs.

The KEA is ideal for audio equipment, especially equipment used on stage, where the power to the equipment must withstand mechanical stress on the cord. It features C14 inlet, 1- or 2-pole fuseholder for 5x20mm fuses, 4.8 x 0.8mm quick-connect or PCB terminals, and screw-on or snap-in mounting. Optional voltage selector allows for use in analog equipment exported to international markets. Current rating is 10 A at 250 VAC. The alternate KFA series with EMC line filter is available with current ratings of 1, 2, 4, 6 and 10 A at 125 VAC UL/250 VAC IEC. This series offers an integrated ground line choke to protect against ground loop interferences. Approvals include UL, CSA, VDE and CCC.



Get Smart in Demo Room 511A - AES 2016

Designed to Adapt

Next Steps for Smart Active Monitoring Systems



Genelec's long-standing commitment to providing state-of-the-art monitoring solutions for professional applications continues. The new generation of high resolution Smart Active Monitoring Systems (SAM™) expands further with the 8340 and 8350 Smart monitors, the 7360 and 7370 Smart subwoofers, and the 9301 AES/EBU Multichannel interface.

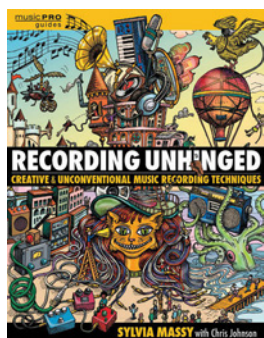
Acoustically adaptable to every environment, providing outstanding sound reproduction accuracy, flexibility and unlimited configuration possibilities, Genelec SAM Systems allow you to focus completely on your creative work.

Genelec Inc. 7 Tech Circle Natick, MA 01760 508 652 0900 (t)
genelec.usa@genelec.com

GENELEC®
the sonic reference

Hal Leonard Spotlights 'Recording Unhinged'

BOOTH 1016 Hal Leonard is featuring *Recording Unhinged: Creative and Unconventional Music Recording Techniques* by the legendary mixer and producer Sylvia Massy. AES attendees will have a chance to win a signed copy of the book by entering a raffle at the Hal Leonard booth (1016). Massy and her cohort of celebrity music industry peers discard fixed notions about how music should be recorded. They explore techniques outside the norm, yielding emotionally powerful, incredibly personal, gut-wrenching, and even scary recordings. With commentary by Hans Zimmer, Al Schmitt, Bruce Swedien, Jack Joseph Puig, Dave Pensado, Tchad Blake, Bob Clearmountain, Linda Perry, Michael Franti, Michael Beinhorn, Bob Ezrin, Geoff Emerick and many others, this book includes the stories, tips, and advice that you won't find in any other instructional manual.

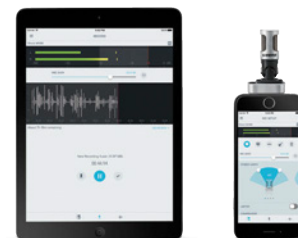


'A cracking good read...'
Alan Parsons

“Sylvia Massy has a unique perspective on what makes musicians tick and how great recordings are created,” says Alan Parsons. “This book is a brilliantly assembled insight into that world and is a cracking good read.”

Shure Issues New ShurePlus MOTIV App

BOOTH 803 The latest version of the Shure-Plus MOTIV Mobile Recording App—designed for use with the MOTIV Digital Condenser Microphones—is now available for download in the Apple App Store. Version 2.0 of this iOS App offers a suite of advanced new features, including an editing tool, improved user interface and fluid sound metering for a jitter-free experience. Additionally, version 2.0 offers access to a playback window, enabling users to review, assess, or simply listen to a recording. The easy-to-use editing tool gives users the ability to trim and split tracks, incorporate user-defined fades, and place markers on the timeline of a recording to create points in time to return to, playback from or to define split points. A “flattened” interface with fewer menu selections and pull-down options allows users to move through the app more quickly and efficiently. The App’s playback window creates an enhanced listening environment for critical review of a recording or casual listening. Users also have access to a looping feature for continued review of a track and the option to add artwork or imagery to the recording through the iOS Camera Roll.



Shure's MOTIV Mobile Recording App

ShowNews

Today's Technical Tours

9 a.m.-12:30 p.m.

Sony Computer Entertainment America

This walkthrough tour of Sony's state-of-the-art audio facilities—the game studio behind the hit *God of War* franchise—will include an explanation of their tools, processes and workflow, and samples of the studio's audio work in recent releases. Limited to 30 people; attendees will need to sign a non-disclosure agreement.

2 p.m.-4:30 p.m.

Iron Mountain

Iron Mountain houses more than 200,000 square feet of archived materials inside its beautiful 1921 Art Deco building. Attendees will get an in-depth look at how Iron Mountain Entertainment Services works with film and television studios, record companies and industry professionals to promote best practices for preserving assets, from original masters to fully digitized copies. Limited to 25 people; attendees will need to sign a non-disclosure agreement.

2:15 p.m.-3:45 p.m.

Microsoft Theater

Take a tour behind the scenes of the Microsoft Theater at LA Live! Further adding to the selection of sound reinforcement related events, this tour includes a backstage view of the audio patch room, stage, and sound system rigging details. After a walk through the facility, a listening session will include playback of select music on the JBL Vertec sound system, using the Soundcraft house console. Limited to 30 people.

2:15 p.m.-4 p.m.

ESPN Broadcast Center at Staples Center

This walking tour will take participants through ESPN's entire broadcast facility including the control rooms, master control area, audio rooms and studios. Participants will learn about the daily workflows and everything that's required to get ESPN's diverse sports programming on the air.

6 p.m.-9 p.m.

20th Century Fox

The legendary studio that first introduced sound on film continues to provide leading-edge audio technology for film and televi-

sion. Attendees will visit original Fox sound stages (now housing post-production facilities) plus ADR, Foley and editing stages, the fully updated, historic Newman Scoring Stage and more. Space limited to 25 people.

Today's Broadcast & Streaming Media Events

9 a.m.-10:30 a.m.

Session B1: Immersive Audio Absorbing Radio and TV Audiences in 2016 and Beyond

10:45 a.m.-12:15 p.m.

Session B2: Listener Fatigue and Retention

2:15 p.m.-3:45 p.m.

Session B4: Television and Movies—The Evolution of Audio and Sound: A Look Back to the Moments that Matter

4 p.m.-5:30 p.m.

Session B3: Immersive and Object Oriented Audio Playback in the Home



Focusrite's Finest Sound. Networked.

AES Demo Room 514

“Dante offers schools ... a way to move audio around a big campus efficiently and cost-effectively, and RedNet has the interfaces for any type of connectivity they need. It’s a great combination.”

Spunky Brunone – Owner of Audio Dawg (A/V design and Installation Firm) and UNT system provider

The College of Music at the University of North Texas recently completed a large installation of Focusrite's RedNet components. A total of 44 RedNet interfaces for the Dante™ Ethernet-based audio-over-IP network infrastructure now connect the school's two main performance halls, each of which has its own recording control room, and a portable jazz workshop with a total of 64 I/O.

“We have two buildings and multiple spaces that had to be connected, as well as new equipment that was part of the upgrade, such as a Yamaha CL5 console for FOH in one of the halls,” explains Blair Liikala, UNT's Director of Recording Services. “We needed a good connectivity solution that would encompass the entire facility, in two buildings, and increase the number of channels we had available. The combination of RedNet and Dante did exactly that.” RedNet's plug-and-play nature made it easy for him and his one staffer to install the entire system, taking advantage of the campus' existing fiber cabling.

“...the very specific nature of the RedNet interfaces made designing the system very straightforward. And routing audio anywhere with Dante and RedNet is a breeze.”

Blair Liikala – Director, Recording Services, UNT College of Music

SYSTEM DETAILS: 7 x RedNet 1 (8-ch A-D/D-A), 7 x RedNet 2 (16-ch A-D/D-A), 6 x RedNet D16 (16ch AES), 2 x D64R (MADI Bridge), 4 x RedNet HD32R (Pro Tools Bridge), 17x RedNet MP8R (8-ch remote preamps with A-D) and 1 x RedNet 3 (32-ch digital I/O)

Pro Tools | HD is a trademark or registered trademark of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries.

Genelec Showcases 8351 Smart Active Monitor

BOOTH 103 Genelec (also in Listening Room 511A) is spotlighting the 8351 three-way Smart Active Monitor (SAM), developed in response to the need for increasing audio perfection for near-field recording and mix environments. Offering unique size and technological innovations, the 8351 breaks new ground in electro-acoustic engineering, as the mechanical, acoustical and signal-processing designs are linked closely together. The result is a system that is completely unique in the professional monitoring industry and represents a bold step forward for the active monitoring pioneer.

The 8351 borrows its size attribute from Genelec's acclaimed 8050. With dimensions of 17.75 inches x 11.25 inches x 11 inches, the 8351 has a particularly compact footprint for a three-way monitor. The center of the 8351's enclosure features the Minimum Diffraction Coaxial midrange/tweeter driver evolved from the 8260. This breakthrough in coaxial driver design provides extremely accurate imaging and improved sound quality, with crystal clear accuracy, both on and off-axis, vertically as well as horizontally. Aesthetically striking is the absence of any visible woofers, which are concealed beneath the Directivity Controlled Waveguide (DCW).



Genelec's 8351 three-way Smart Active Monitor (SAM)

Sony Pro Audio Spotlights Full Lineup

BOOTH 707 Sony Electronics' Pro Audio Division is showcasing its full line-up of professional and hi-res audio at AES including professional wireless microphones, wireless receivers, headphones and recorders, among others.

Sony's New UWP-D Wireless Microphone System consists of URX-P03D, two-channel portable receiver, which eliminates the need to attach two receivers on a camcorder. It also supports an external input for an additional wired microphone. Three-channel mixer functionality is included for blending audio signals in the receiver. A new two-channel version of Sony's Multi Interface (MI) shoe adaptor—model SMAD-P3D—is available for the URX-P03D.

Sony's new two-channel slot-in receiver, URX-S03D, and a new bodypack transmitter, UTX-B03HR are designed for compatibility with Sony camcorders. The URX-S03D is a two-channel portable receiver that fits in the slot of Sony camcorders utilizing a D-sub 15-pin interface for audio and power connections. The UTX-B03HR bodypack transmitter is matched perfectly with the URX-S03D and incorporates a reliable four-pin Hirose microphone connector.

Also on display is Sony's new DWX N Series, featuring the DWR-R02DN two-channel rack receiver, DWT-B01N bodypack transmitter and DWM-02N handheld microphone.

Another highlight is the ICD-SX2000 hi-res portable field recorder, which offers built in mics and pairs with smartphones via Bluetooth.

Sony Pro Audio's URX-P03D portable receiver



Telefunken Launches New Direct Box Line

BOOTH 1115 Telefunken Elektroakustik is introducing four new direct boxes at AES, including mono and dual models of both active FET and passive designs.

The Telefunken TDA-1 (mono) and TDA-2 (dual) are newly designed active FET direct boxes that employ discrete Class-A FET circuitry coupled with a high quality transformer that provides the perfect balance between clean, high headroom performance and warm, saturated tone.

The Telefunken TD-1 (mono) and TD-2 (dual) are new passive direct box designs that combine premium quality components with a rugged construction to create a reliable DI with



Telefunken's new direct boxes

rich, warm tone.

In the heart of each new Telefunken direct

box design are custom-wound output transformers by OEP/Carnhill, made in the U.K. The circuit boards feature gold plated traces for maximum conductivity and are hand-assembled exclusively with through-hole components providing a secure and reliable connection compared to common surface-mount technology.


The circuits are housed in an extremely durable extruded aluminum enclosure with recessed heavy-duty metal toggle switches to engage a -15 dB pad and ground lift. This rugged construction is virtually indestructible, able to easily withstand the wear and tear of gigging.

m108

Microphone Preamplifier / ADC / DAC / Interface



From mobile laptop tracking, to large scale networked audio production, the m108 is the new MVP in any modern recording environment. It provides 8 channels of beautifully transparent, musical mic preamplifier with state of the art ADC's, and a simple, powerful 8x2 USB2 interface. A built-in low latency mixer and reference DAC make the m108 the perfect mobile interface, while its remote control options and stunning audio performance make it the ideal front end for high-end remote recording or FOH systems.

- 8 channel remote controlled microphone preamplifier • 192kHz ADC outputs via AES, ADAT and USB Class 2 • Ultra-wide gain range • Ribbon mic mode • Optional  Dante interface module • Reference DAC and headphone amplifier for low-latency monitoring • 10 channel digital mixer • Front panel HI-Z inputs • Control from Protools™, existing m802 RCU, or over Ethernet with computer utility or built-in web browser GUI • 5 year transferrable warranty • Built in the USA



AES BOOTH #710

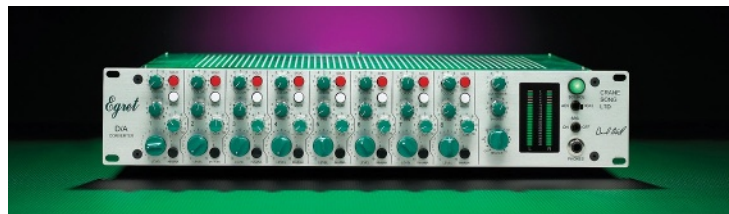
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Crane Songs Updates Digital Hardware Line

BOOTH 1123 Crane Song has updated its entire line of digital hardware products to take advantage of their proprietary 5th generation Digital to Analog converter technology. With its AES debut, the Egret 8 Channel D/A Converter/Summing Mixer joins the Avocet monitor controller, the HEDD 192 AD/DA converter



Crane Song's Egret 8 Channel D/A Converter/Summing Mixer

and Solaris stand alone digital to analog converter to complete the line up of Crane Song products equipped with Crane Song's Quantum DAC. The Quantum DAC uses a 32-bit

converter and asynchronous sample rate conversion for jitter reduction with up sampling to 211 KHz. The reference clock uses a proprietary reconstruction filter for accurate time

domain response; and with jitter less than 1pS, Quantum DAC has the lowest published jitter values in the industry.

The Crane Song 5th generation Quantum DAC has been shipping in Avocet IIA since November 2015, and in April 2016 Crane Song quietly updated the HEDD 192. As

of AES show the Egret will be shipping with the upgraded DAC. This completes the updating of the DACs in all Crane Song digital hardware.

Grace Design Spotlights m108 Mic Preamp

BOOTH 703 From mobile laptop tracking to large scale networked audio production, Grace Design's m108 is the new MVP in any modern recording environment. It provides eight channels of beautifully transparent, musical mic preamplifier with state of the art ADCs and a simple, powerful 8 x 2 USB2 interface. A built-in low-latency mixer and reference DAC make the m108 the ideal mobile interface, while its remote control options and stunning audio performance make it the ideal front end for high-end remote recording or FOH systems.

Features include: eight-channel remote controlled microphone preamplifier; 192kHz ADC outputs via AES, ADAT and USB Class 2; ultra-wide gain range; ribbon mic mode; optional interface module; reference DAC and headphone amplifier for low-latency monitoring; 10-channel digital mixer; front panel HI-Z inputs; control from Protools, existing m802 RCU or over Ethernet with computer utility or built-in web browser GU; five-year transferable warranty; built in the U.S.

Dynaudio, DAD Partner Up

BOOTH 311 & 1112 Dynaudio (Booth 311) and DAD (Booth 1112) are joining forces to develop high-end monitoring systems for music, film, post and broadcast production, as well as audio mastering.

"I am very happy about this new partnership with another great, Danish audio company," says Sebastian Rodens, Dynaudio PRO product manager. "It's a perfect match, as many DAD and Dynaudio products actually share space in countless pro audio facilities already, only in different parts of the monitoring signal chain. And once we investigated DAD's ProMon solution in depth we instantly knew we had found the perfect control centerpiece."

Mikael Vest, Sales Director at Digital Audio Denmark, notes: "When Dynaudio suggested a partnership to develop this specific area even further, we were immediately intrigued. Dynaudio has produced world-class monitors for audio professionals for many years and working together with them on a monitor system where each company contribute with their particular fields of expertise that complement each other is extremely promising."

More details on this pro audio collaboration will be revealed as it progresses. The first results of the joint venture are expected to emerge during 2017.

OWA Launches HR3.5 Studio Reference Monitor

BOOTH 106 Ocean Way Audio (OWA) is unveiling the new HiRes3.5 Studio Reference Monitor, also known as HR3.5.

HR3.5 is based on the acclaimed HR4 studio monitor first shown at the 139th AES Convention in 2015 and released March of 2016. With dozens of HR4 speaker systems in use today, Ocean Way Audio has now created the HR3.5, a larger free-standing or soffit-mounted version. This monitor system delivers a frequency response of 20 Hz to 22 kHz with an SPL rating of 120db.

The HR3.5 Reference Monitor incorporates an integrated two-way dual-horn system with a one-inch HF and eight-inch MF drivers, mechanically time-aligned

with twin 12-inch sub-bass drivers per channel. Three built-in state-of-the-art amplifiers power this speaker, featuring analog and digital inputs, 96 kHz and 24-bit sampling and tri-amped 3,400 watts per channel of pure power.

At the heart of the acoustic design is OWA's geometrically complex, stone-cast dual/hybrid waveguide system. The system delivers accurately matched and detailed imaging with OWA's signature, unusually wide 100x40 degree horizontal and vertical dispersion, yielding a massive sweet-spot across a broad area of the listening environment.

Ocean Way Audio's HR3.5 Studio Reference Monitor





QSC, SPONSOR

QSC's TouchMix-30 Pro, 32-channel digital mixer is ideal for production professionals, musicians and bands as well as live performance venues.

TouchMix-30 Pro sets a remarkable, new standard for performance in a compact digital mixer with

features and functionality that will satisfy the most demanding professional, while also providing an intuitive workflow that delivers great results, quickly and easily, to users at every level of experience. With 32 mixing channels (24 Mic/Line, six Line, Stereo USB) and 16 outputs, the TouchMix-30 Pro offers tremendous signal management flexibility for a wide range of applications. Beyond offering a higher channel count than its predecessors, a host of additional, new "Pro" features sets TouchMix-30 Pro apart from its smaller TouchMix Series siblings.

Shure Issues 50th Anniv. SM58 Microphone

BOOTH 803 The Shure SM58, arguably the world's most popular microphone, has been a foundational and formidable part of live performance for more than 50 years. To celebrate and honor five decades of the renowned sound, design, and durability of this iconic mic, Shure is introducing a 50th Anniversary model, the SM58-50A. The limited edition microphone touts all of the award-winning characteristics and technical specs of the SM58, and features a silver finish and printed denotation of the 50th Anniversary on the handle. Highlighting historically inspired packaging, this model ships with a commemorative certificate, photo print, historical user guide and a celebratory sticker.



Shure's 50th anniversary edition SM58 microphone

Ideal for a wide range of performers and sound engineers, from aspirational users to seasoned professionals, the SM58 50th Anniversary limited edition celebrates decades of consistency, reliability and stellar performance. The SM58 50th Anniversary microphone serves as a commemorative purchase, while still offering all of the same applications as the iconic SM58 model.

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FOCUSRITE, BOOTH 202 At the 141st AES Convention, Focusrite is displaying its full range of audio network solutions at its booth. The following products are all currently shipping and never before seen at AES:

RedNet A16R: 16 channels of Dante-networked A-D and D-A conversion, with network and PSU redundancy; **RedNet PCIeR Card:** RedNet PCI Express card with network redundancy, enabling ultra-low latency audio and full track count for Dante audio-over-IP networks; **Red 4Pre:** 58 In / 64 Out Thunderbolt 2 and Pro Tools HD compatible audio interface, with Dante network audio connectivity. Additionally, Focusrite is displaying these currently available products: **RedNet A8R:** Eight channels of Dante-networked A-D and D-A conversion, with network and PSU redundancy; **RedNet AM2:** Stereo Dante headphone amplifier and line output interface solution with PoE; **RedNet MP8R:** eight-channel remote-controlled mic pre and A/D for Dante networks; **RedNet D16R:** 16-channel AES3 I/O for Dante audio over IP networks; **RedNet D64R:** 64-channel bridge between MADI and Dante Networks; **RedNet HD32R:** 32-Channel Bridge between Dante Networks and Pro ToolsHD.

A-Designs' Mix Factory Takes Summing to New Level

BOOTH 1120 A-Designs Audio's Mix Factory is making its worldwide debut at AES. Mix Factory is a totally new concept and approach to "out-of-the-box" summing for musicians and engineers looking to get more from their current sound and workflow.



A-Designs' Mix Factory

"Our Mix Factory isn't just any old summing unit," says A-Designs Audio's Peter Montessi. "It delivers analog warmth with the depth and imaging needed to make your mixes truly stand out from the crowd."

Based on a concept developed by producer/engineer/mixer Tony Shepperd and brought to life by celebrated designer Paul Wolff, A-Designs' new Mix Factory accommodates up to 16 audio channels, which come into the device on two D-sub inputs and sum to stereo XLR outputs. All 16 channels have a continuous FDR (gain) knob, pan pot with center detent, and cut (mute) switch that acts as a signal indicator with an audio sensitive LED, which glows when signal is passing into the channel and intensifies when the signal is stronger.

The Mix Factory also has a pushbutton option to go from clean—the standard setup bypassing the transformers—to tonal using the custom-made output transformers manufactured by Cinemag.



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For more information visit www.neutrik.com

NEUTRIK

DPA Showcases Popular Microphone Solutions

BOOTH 6721 DPA Microphones is displaying its range of d:screet Miniature, d:dicate Recording, d:vote Instrument and d:facto Handheld Microphones. With very low noise and an extremely high sensitivity, d:screet Miniature Microphones offer the most clear, transparent and natural sound, and are capable of handling up to 154dB peak before clipping.

The d:dicate Recording Microphones range includes both omnidirectional and directional microphone capsules. Most of the mics are based on a modular design, giving its users the ability to mix and match capsules and preamplifiers to create the exact microphone needed for any specific task.

DPA's award-winning d:vote Instrument Microphones rejects unwanted noise and accurately captures the true voice of any acoustic instrument.



DPA's d:dicate Recording Microphones

The d:facto line consists of two capsule versions: Vocal Microphones that are intended for stage use with audio quality so high that they can be used for studio recording and broadcast, and Interview Microphones intended for handheld ENG/EFP applications.

ShowNews P&E Wing Hosts GRAMMY SoundTables

The Recording Academy Producers & Engineers Wing is hosting this year's presentation of the annual GRAMMY SoundTables at the 141st International AES Convention.

As part of the P&E Wing's ongoing efforts to provide educational resources and other development opportunities to audio professionals, on Friday, September 30, at 10:30 a.m., the free special event, "GRAMMY SoundTables: Life in the Hotseat—Audio Production for Live Global Telecast Events," will delve into the myriad moving parts and zero-error margins of some of the biggest live broadcast events on the planet.

Moderated by Seattle-based producer/engineer/audio entrepreneur Glenn Lorbecki, the panel will feature members of the most experienced audio teams in the business, the stalwarts who helm audio for the GRAMMY Awards, EMMYs, OSCARs and sports events from the NFL (including the Super Bowl) to NASCAR. Slated panelists at press time include broadcast audio professionals Michael Abbott, Paul Sandweiss, Eric Schilling, James Stoffo, Jay Vicari and Tommy Vicari.

Bose Displays ShowMatch

BOOTH 105 Bose Professional is displaying its new ShowMatch DeltaQ array loudspeakers. DeltaQ technology advances line-array loudspeaker design by allowing changes in directivity or "Q" for each module in the array to improve sound quality by better matching total array coverage to audience areas and distance, with improved phase coherency. ShowMatch array loudspeakers feature the most versatile DeltaQ design, optimized for both permanent installations and portable applications, with field-changeable waveguides in com-



Bose ShowMatch DeltaQ array loudspeakers

improved Bose EMB2S compression drivers with two eight-inch neodymium woofers. Modules will be available with five-, 10- or 20-degree vertical coverage. Integrated rigging is rated for up to 24-box arrays. A matching-width single 18-inch subwoofer will also be available together with a complete line of rigging accessories.

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Chuck Ainlay
10:30am

SEPT
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Geoff Emerick
4:00pm

SEPT
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Nathaniel Kunkel
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Ed Cherney
1:00pm

SEPT
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George Massenburg
3:00pm

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Chris Lord Alge
10:30am

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Special Guest
1:00pm

OCT
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Frank Filipetti
4:00pm



141ST

AUDIO ENGINEERING SOCIETY
INTERNATIONAL CONVENTION



JARED SANSIRAITE

YAMAHA, BOOTH 603 Sound Image of Escondido, CA, with offices in Nashville, TN, and Tempe, AZ, has been providing sound reinforcement touring services to the industry's hottest rock,

country and pop acts for over 45 years. Prior to the summer touring season, the company added a new Yamaha Riva PM10 digital audio console to its already massive production inventory. Sound Image monitor engineer Bill Szocska is currently using the PM10 on the 2016 "I Don't Know Tour" featuring Jimmy Buffett and the Coral Reefers. "I'm really liking the PM10; the console takes the 'Yamaha' sound to another level. The layout is fantastic and the workflow is really easy," says Szocska, shown here with the Yamaha Riva PM10. "I love having everything at my fingertips, and being able to work on a channel in a particular mix location is such a time saver. It's very fast. Access to my matrices have never been this fast. The console is really versatile, and moving to the PM10 this year has been truly magnificent."

A-T Offers E-Series Pro IEM Headphones

BOOTH 503 Audio-Technica is displaying its E-Series Professional In-Ear Monitor (IEM) Headphones. Bringing the critically acclaimed sonic signature of the M-Series to an in-ear design, the three models in the E-Series have been designed to fully answer the needs of demanding sound professionals and musicians from the studio to the stage to the DJ Booth. E-Series headphones are compatible with A-T's popular M2 and M3 in-ear monitor wireless systems, together offering a comprehensive in-ear monitoring solution from Audio-Technica.

The ATH-E70 is the flagship in-ear monitor model in the E-Series. Its accuracy and detail allow precise balancing of the mix, making it the ideal choice for monitoring on stage and ENG mixing in the studio.

The ATH-E50 features excellent isolation that ensures confident, comfortable stage performance. To address the evolution of modern music production, this model also excels at providing a consistent reference in every sonic environment, making it the ideal choice for the producer on the road.

The ATH-E40 has a proprietary dual phase push-pull driver design which improves fidelity and efficiency. The ATH-E40 delivers powerful bass along with balanced mid and high frequencies to convey the full emotion of the music from the stage to the street.

Audio-Technica's E-Series Professional In-Ear Monitor (IEM) Headphones

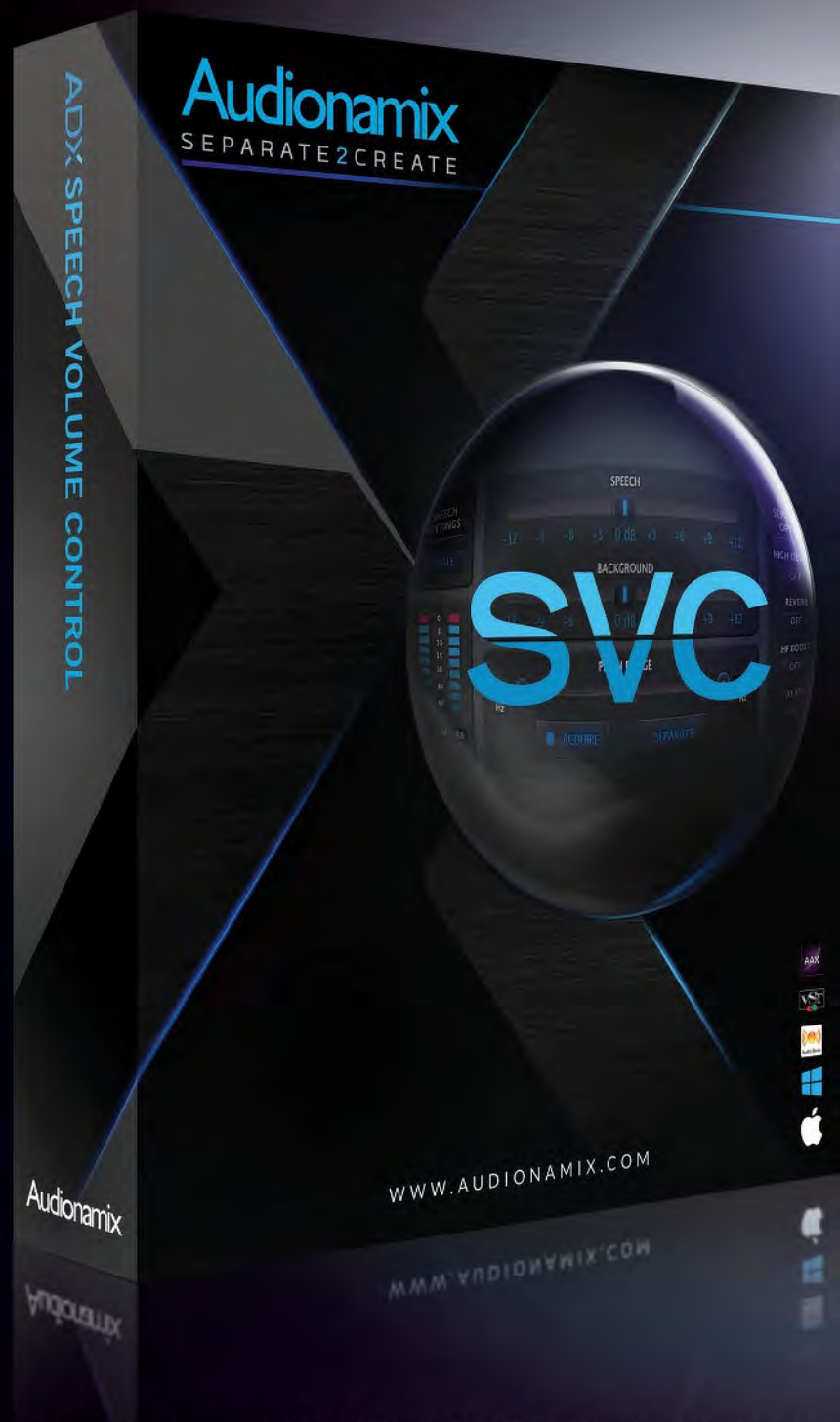


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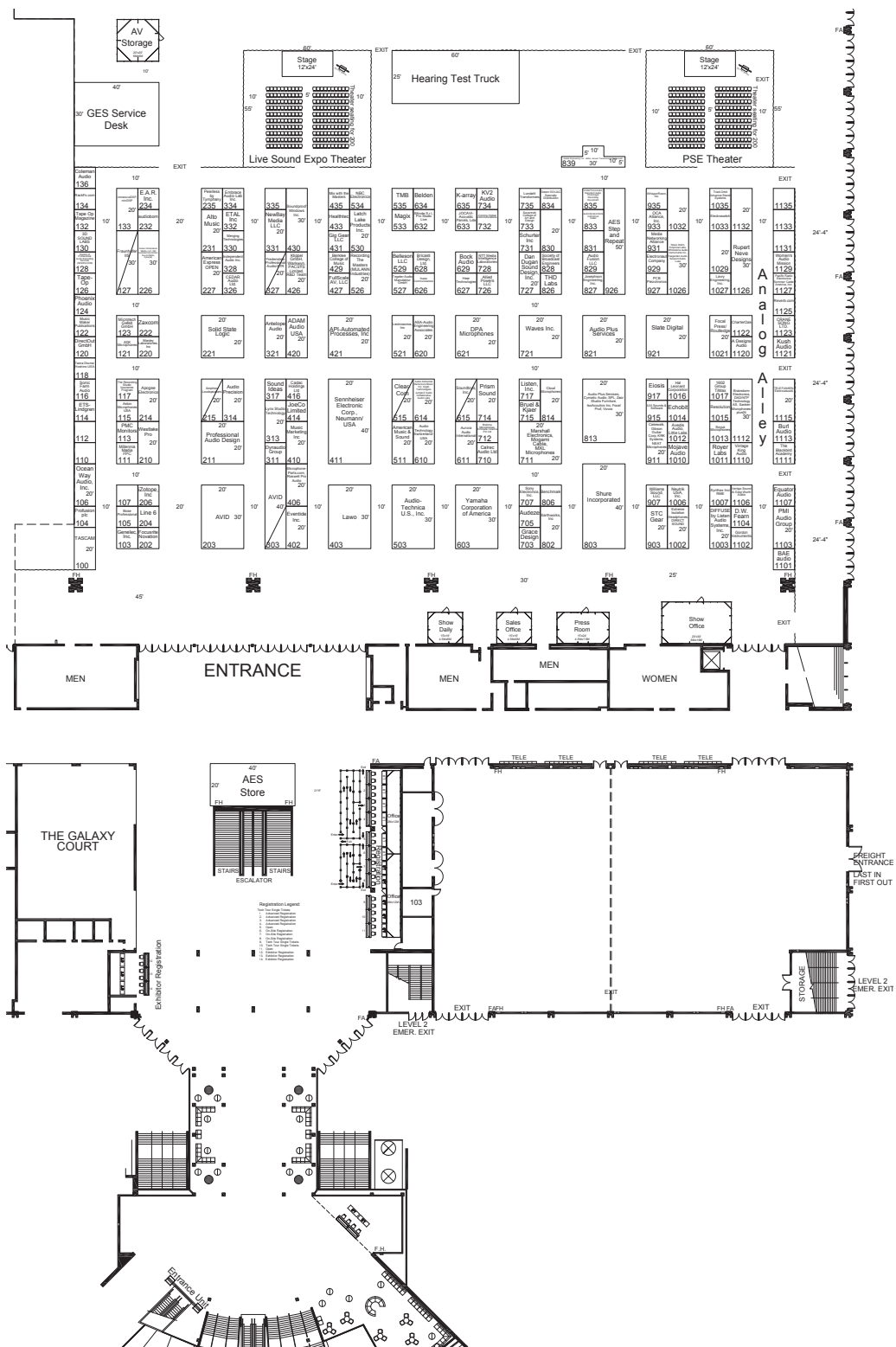
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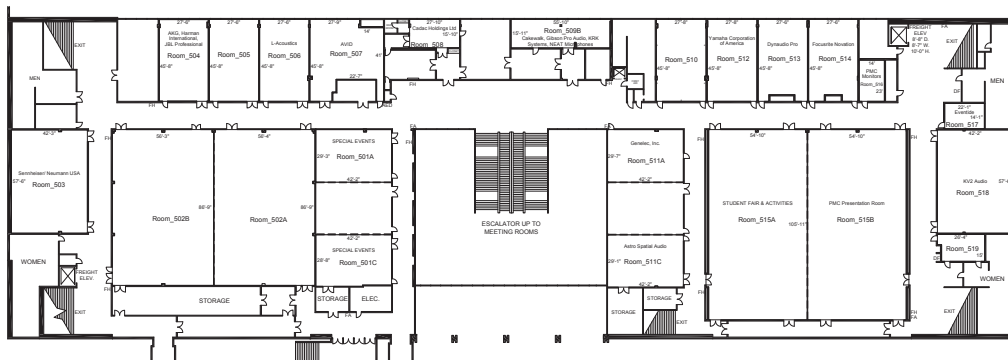
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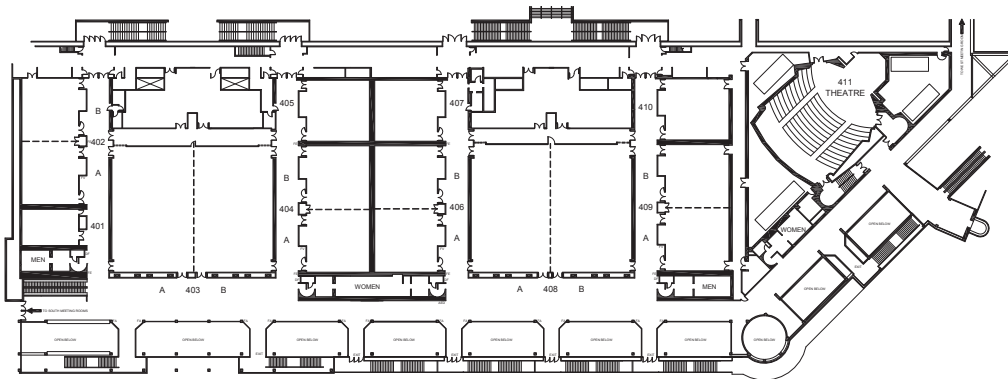
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Cirque du Soleil Bolsters 'Paramour' with Lectrosonics

BOOTH 521 Cirque du Soleil, which currently has more than 15 major shows running worldwide, recently opened its first musical theater production on Broadway, at the Lyric Theater. *Paramour*, a story set during the Golden Age of Hollywood about a woman who must choose between love and art, features a cast of over three dozen acrobats, musicians and singing actors that are exclusively equipped with Lectrosonics' SSM Digital Hybrid Wireless micro belt pack transmitters.

"We're using 36 SSM radio transmitters with Venue2 receivers," reports front-of-house

engineer David Patridge, who is working with long-time collaborator John Shivers, the show's sound designer. The equipment was supplied by theatrical sound reinforcement specialist company Masque Sound for use at the Lyric Theatre, which, with an audience capacity of 1,896, is the second largest theater on New York City's Great White Way.

Adopting the Lectrosonics SSM transmitter for this show has been an upgrade on several levels, according to Patridge. "With the SSM, the sound quality is better, and the manageability with the batteries and the remote function-



In the Cirque du Soleil production of *Paramour*, performers withspeaking or singing roles wear Lectrosonics SSM radio transmitters. A number of instrumentalists are also outfitted with the SSM.

ality are bonuses. The battery life is also great. All this with the small form factor. We want to specify them on all of our shows."

Soundtoys Unveils New EQ Plug-In

BOOTH 615 Soundtoys is launching its first equalizer plug-in, the Sie-Q. Instead of choosing one of the classic EQs that have been modeled one or more times already, Soundtoys searched deep into its gear collection and dusted off a little-known, but much-loved (by those in the know) German equalizer module, the W295b. With Sie-Q, Soundtoys engineers meticulously modeled the decidedly musical curves of the W295b, and the pleasing harmonic distortion of its discrete transistor circuitry.

Like the better-known Neve and API modules,



Soundtoys' Sie-Q EQ plug-in

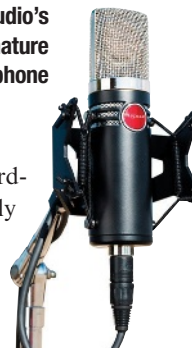
the original W295b was used in the Siemens-Sitral line of analog mixing consoles. Those consoles, though built like tanks, were known for their smooth EQ curves and sonically appealing coloration. The W295b in particular is revered for the space and air created by the high frequency band.

Mojave Audio Unveils First Signature Series Model

BOOTH 1010 At AES, Mojave Audio is showcasing the new MA-1000 Large-diaphragm Multi-Pattern Tube Condenser Microphone, the first model in the company's new Signature Series line of products. Designed by Technical Grammy award winning microphone designer David Royer, the MA-1000 features an original new old-stock 5840 tube, a 251-style capsule, and a custom-designed transformer built by Coast Magnetics. Among its notable attributes, the MA-1000 includes a remotely controlled, continuously variable polar pattern selector that is located on microphone's power supply.

The MA-1000 also offers a switchable 15dB pad that facilitates high SPL recordings with no microphone distortion or preamplifier overload. This is particularly useful for close miking electric guitars. Similarly, the microphone provides a switchable low frequency roll-off designed to reduce the excess low end created by proximity effect, the bass buildup commonly experienced during close miking of vocals and acoustic instruments.

Mojave Audio's MA-1000 Signature Series microphone



Millennia Media Expands Dante Offerings

BOOTH 111 Millennia's DA-296 Gözowta Dante to analog convertor is making its debut at Booth 111. This is the fourth Millennia/Dante product in the lineup, including the Dante-D and Dante-R bundles for the HV-3D/8, HV-3D/4 and HV-3R eight channel mic preamps.

Award winning mixer/producer/engineer James Towler commented on using 32 channels of Millennia/Dante HV-3Ds on tour and in the studio with Steve Winwood, noting: "To have a Millennia Pre on one input I found it was my go to Pre, to then have it for every channel both Studio and Live was Amazing!"

One of Millennia's friends, Mark Bachrach, had an opportunity to see and hear Steve Winwood's tour this summer at Bethel Woods Center for the Arts and emailed, "Compared to the other artist, Winwood's sound was noticeably clearer and extremely focused."



James Towler

Dugan Automixing Now Available in Sound Devices 688

BOOTH 727 Dan Dugan Sound Design and Sound Devices have announced the availability of Dugan automixing as a built-in feature for the Sound Devices 688 Mixer/Recorder. Users of this product now have the option for using either the Dugan Speech System or the Sound Devices Mix-Assist algorithm to manage multiple microphones in a production mix.

The 688 features six high-bandwidth mic/line XLR inputs, each complete with phantom power, high-pass filter, analog input limiter and variable pan, plus six additional line-level TA3 inputs for added flexibility in complex productions. All inputs are assignable, pre- or post-fade, to eight-output buses: left/right plus Aux 1-6. With the Dugan Speech System on the left/right bus, the unit maintains the total gain of one open microphone while automatically bringing appropriate channels up and down as speech is detected or stops at each mic.



Sound Devices' 688 mixer/recorder now boasts Dugan automixing as a built-in feature

Dugan automixing is widely used in applications where multiple live microphones are present and where dialogue is usually unscripted. The most common applications for Dugan automixing include town hall meetings, television talk shows, political debates, lectures, and audio/video conferencing.

P&E Wing Reveals New Steering Committee

THE RECORDING Academy Producers & Engineers Wing 2016-2017 Steering Committee consists of a diverse array of music engineers, producers and audio professionals who, building upon the significant legacy established by prior Steering Committees, will work to address key issues confronting music production and promote meaningful solutions to help move the industry forward.

The P&E Wing continues to advocate for excellence in sound recording, audio technologies and education in the recording arts, along with recognition and rights for music creators overall. The 2016-2017 Steering Committee is chaired by Grammy winners Ed Cherney and Ann Mincieli, and includes: Jeff Balding, Ivan Barias, Matt Hennessy, Ken "Duro" Ifill, Thom "TK" Kidd, Manny Marroquin, Morgan Page and Piper Payne. Also serving as members of the Committee are John Poppo, chair of The Recording Academy Board of Trustees, and Neil Portnow, the Academy's President and CEO.



SEE THEM @ AES - BOOTH #1115

Waves Intros Abbey Road Vinyl Plug-In

BOOTH 721 Waves Audio is introducing the Abbey Road Vinyl Plugin. Designed with Abbey Road Studios, this plugin faithfully captures every stage of the vinyl production and playback process: you can choose between the sound of a pure acetate cut or the print master pressing from the factory, play the records on two distinctive turntables types with a choice of three classic cartridges, and even add the TG12410 mastering console on the path into

the vinyl lathe.

For added authenticity and creativity, Abbey Road Vinyl lets you move the location of the tone arm across the record, changing the frequency response and distortion like in the real world. You can also add vinyl noise and crackle, apply a gradual slow-down/stop turntable effect, and add wow and flutter effects for extra analog warmth.

Abbey Road Vinyl is the long-awaited tool



The graphic user interface for the Waves Abbey Road Vinyl plug-in

for diverse audio users: from mixing engineers craving a distinct smooth sound, to EDM and hip hop artists who cherish that “needle” touch, to sound designers reaching for authentic vinyl qualities and producers seeking a true-to-vinyl dimension on their tracks.

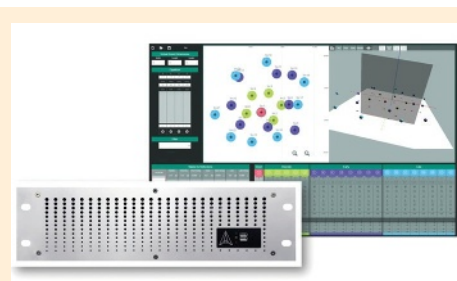


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- Can be set up free-standing or soffit-mounted with supplied remote amplifiers



ASTRO SPATIAL AUDIO, ROOM 511C

Astro Spatial Audio is featuring the SARA audio rendering engine, an immersive 3D audio tool. Using state-of-the-art advancements in 3D audio and the latest Room Simulation Pro acoustic technology, the system delivers a 3D audio and room acoustic experience, making it ideal for performing arts facilities such as theaters, opera houses, concert venues, theme parks and worship spaces. The system facilitates directional production of sounds and acoustic environments without the audience being restricted to preferred seats. The system encompasses object-based audio technology, developed by Germany's Fraunhofer Institute for Digital Media Technology (IDMT). At AES, a unique object-based interactive acoustic room simulation module is being introduced that adapts specific requirements such as speech intelligibility or concert acoustics to any venue.

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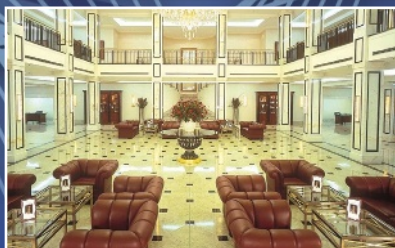
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Hal Leonard Takes e-reading To The Next Level

BOOTH 1016 Building on the library of video learning products already available from Hal Leonard at Groove3, the two companies are ready to take their online offerings a step further with “Groove3 Reader Technology,” a new technology developed in-house by Groove3 that takes e-reading to the next level.



Starting in October, Groove3 members will be able read and interact online with publications, such as The Bruce Swedien Recording Method, Q on Producing and The Best Jobs in the Music Industry, that have previously only been available in printed form or as standard e-books. In contrast to traditional e-books, books delivered via G3RT offer the content in a new way, making reading and learning more intuitive on today’s desktop and mobile devices. Highlighting, bookmarking, referencing and searching are all conveniently accessible through a clean user interface. Accompanying audio and video materials that are included with physical books on a DVD, will be embedded in the text, available to readers as needed. Over the next several months, scores of existing Hal Leonard books will be rolled out at Groove3 in this new interactive and multi-media format.

Focusrite RedNet Adds Backbone to American Mobile

BOOTH 203 American Mobile, the remote production arm of the famed Chicago Recording Company (CRC), has begun deploying the Focusrite RedNet Dante-networked audio converters and interfaces as the signal-transport backbone, giving these remote productions even greater operational and sonic capabilities.

This season, veteran A1 mixer Steve Weeder deployed the first RedNet system at the Lollapalooza Music Festival in Chicago and also at the Outside Lands Music Festival in San Francisco. This system consisted of 64 channels of RedNet MPR8 remote-controlled mic preamp and A/D converters, two RedNet 5 network interfaces for Pro Tools HD, as well as a RedNet D64R 64-channel MADI-to-Dante link.

American Mobile is currently adding an additional 64 channels of RedNet MPR8 mic preamps to the audio truck, expanding capability to at least 96 channels to keep up with the growing number of channel counts at complex shows.

Hafler Launches HA75 Tube Headphone Amp

BOOTH 839 Hafler (a division of Radial Engineering Ltd.) is addressing the wide adoption of headphones in the mainstream of music listening with the launch of the HA75 Tube Head, a 12AX7 tube headphone amplifier that brings forth the character and sonic landscape that is only possible with a tube.

The design applies 140 volts to the tube to provide sufficient voltage for a “clean” sound, yet at a lower scale in order to impart the all-important tube character and harmonic generation. When pushed hard, tubes introduce a form of natural compression to the signal that do not distort in a “square wave” but more gradually saturate with even order harmonic distortion. This results in a more pleasing tone with far less ear fatigue when listening to music for extended periods. Like the HA15, the HA75 is also equipped with FOCUS control to simulate listening to live speakers, dual headphone outputs for “sharing the fun” along with RCA and XLR input connectors to adapt to either audiophile or recording system setups. A dual RCA line output on the rear panel allows the user to capture the HA75’s tube character and incorporate it into a solid state system. This “warms” the often sterile tone of a digital recording, bringing warm tube harmonics into play.

Neutrik Features 10-Pin XLR Connector

BOOTH 1006 During AES, Neutrik is featuring its latest multi-pin product line for transmitting both data and power: the 10-pin XLR line. Fitting in the same form factor as other XLR connectors, Neutrik’s 10-pin XLR is perfect for transmitting four twisted pairs of data at Cat 5e performance plus up to 16A of power @ 50V using two large, dedicated power pins.

The cable connectors for the new 10-pin XLR line are based on Neutrik’s latest-generation XX series. The chassis connectors are derived from Neutrik’s DLX family, offering industry-standard D-size housings and superior RF protection and shielding as a result of the DLX connectors’ innovative duplex ground contact design.

With this new XLR design, Neutrik’s 10-pin XLR line offers an easy-to-assemble and rugged multi-pin connection solution.

The parts numbers for the straight and right angle cable connectors are: NC10FXX-14-B, NC10MXX-14-B, NC10FRX-14-B and NC10MRX-14-B. The chassis connectors are identified as NC10FD-LX-B and NC10MD-LX-B.



Neutrik's 10-pin XLR line

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Sides Demos OWA Speakers in Special Nashville Event

BOOTH 106 Ocean Way Audio (OWA) held a special event on September 13 at Ocean Way Nashville Studios. Presented in coordination between Ocean Way Audio, the Nashville Section of the Audio Engineering Society (AES), Belmont University and Ocean Way Nashville Studios, the event featured Ocean Way founder Allen Sides, a five-time GRAMMY Award-winning engineer, producer and mixer.

Sides held a series of one-on-one demonstrations of the new Ocean Way Audio HR4S and

Pro2A speakers and played specially recorded classic tracks from his rich history of recording and mixing. Sides has personally worked on more than 1,000 albums, many of which have become audiophile classics. Albums recorded at Ocean Way Studios have sold in excess of one billion copies.

Sides and Ocean Way Audio President Rick Plushner then gave a presentation on the topic of the acoustical design of iconic Ocean Way Nashville Studios, the unique HiRes4S (HR4S)



Ocean Way Audio founder Allen Sides, pictured with HR4 (foreground) and HR2 (background) speakers

and Pro2A reference monitors and playback of some great tracks. Attendees got an in-depth look at these reference monitors, along with a Q&A session with this industry powerhouse.

ADAM Shows New Monitor/Sub Bundle Packages

BOOTH 420 At THE 141ST AES, ADAM Audio is showing its exclusive 2.1, 2.2 bundles and 5.1 and 5.2 surround bundles, which include sets of ADAM monitors together with matched ADAM subwoofers from the AX and SX lines, at exclusive package pricing.

The 2.1 bundles feature five different ADAM AX monitor pairs with a subwoofer, the A3XSub7, A5XSub8, A7XSub10, A8XSub12 and A77XSub15. The 2.2 bundles include monitors and subs from the SX line, and the available packages are: two S1X(2)Sub10, two S2X(2)Sub10, two S3X-V(2)Sub12, two S3X-H(2)Sub15. The surround bundles include four 5.1 bundles in the AX line, including: five A3X(1)Sub8, five A5X(1)Sub10, five A7X(1)Sub12, five A8X(1)Sub15. 5.1 and 5.2 Surround bundles from ADAM's SX line include: five S1X(1)Sub12, five S2X(1)Sub15, four S3X-V(1)S3X-H(2)Sub15 and four S4X-V(1)S4X-H(1)Sub2100.



ADAM Audio's A8XSub12 bundle

DAD Brings MOM to AES

BOOTH 1112 Digital Audio Denmark (DAD), a part of NTP Technology, is highlighting two significant new additions to its AX32 and DX32 audio routers and converters: Pro|Mon|2 is a complete monitor control solution available as an optional license for the free DADman control software, and MOM (Monitor Operating Module) is a stand-alone control unit for controlling dedicated monitor functions in a Pro|Mon|2 monitor control system.

Pro|Mon|2 enables DAD AX32/DX32 to operate as a monitor control system managing signal routing, control room speaker levels and monitor cues in any channel format including stereo, 5.1, 7.1.4, Dolby Atmos and other 3D and immersive audio formats. It also provides full compatibility with the Avid Eucon 64-bit protocol through which most of the Pro|Mon|2 controls are available via Eucon and can be configured in detail on control surfaces such as the Avid S6, Avid S3, Avid Pro Tools Dock and the Pro Tools Control iPad app for wireless cue mix and monitor control.

MOM is a stand-alone control unit for configuring and adjusting dedicated monitor functions in a Pro|Mon|2 monitor control system, providing various adjustments for studio control room level, cut, mute, talkback and speaker reference level.

Genelec Spotlights New SAM Systems

BOOTH 103/LISTENING ROOM 511A Genelec is showcasing its expanded SAM (Smart Active Monitoring) series with five additions; the new 8340 and 8350 monitors, combined with new 7360 and 7370 subwoofers, offer the highest possible system flexibility for demanding monitoring needs, for both analog and digital audio applications. SAM subwoofers are also complemented by the 9301 AES/EBU Multichannel interface, which allows easy connection to any 7.1 digital audio sources.

Genelec next-generation SAM systems include floating-point DSP engines, linearized

phase response and even more refined auto-calibration and spectral tuning capability than before, allowing better room integration and ease of use in any environment.

Highly efficient Genelec-designed Class D amplifiers, combined with latest-technology drivers, allow the 8340 and the 8350 to achieve high sound pressure levels and dynamic range, improved frequency response flatness and very low distortion. This means clean and neutral audio reproduction at all volumes without listening fatigue, enabling audio professionals to work with consistency and accuracy.



Recent additions to Genelec's SAM line of active monitors include, from left: the new 8340 and 8350 monitors and the 7360 and 7370 subwoofers, with 9301 AES/EBU Multichannel interface (placed on top of the 7370).

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Vintage King Celebrates AES in LA

BOOTH 1110 Vintage King Audio is teaming up with key manufacturers and partners including Avid, Barefoot Sound, Trinnov and Gearsutz to make this a very special AES.



**VINTAGE
KING
AUDIO**

Vintage King will have representatives in Booth 1110 at the show and will be providing shuttles from 10 a.m.-4 p.m. back and forth to its flagship store and demo studio, located just minutes away from the LA Convention Center. Visitors will have an opportunity to listen to gear in a gorgeous, fully immersive listening environment. Vintage King will also be hosting the 8th Annual Afterglow event high atop the famous Standard, Downtown LA hotel on Friday, September 30 at 6 p.m. To end AES weekend, Vintage King will team up with Gearsutz for a brunch event at Vintage King Los Angeles on Sunday, October 2, from 11 a.m.-2 p.m.

Sanken Launches CU-51 Dual-Diaphragm Mic

BOOTH 1112 Sanken microphones is launching the new CU-51 cardioid condenser microphone as part of the Sanken Chromatic range of professional studio microphones. The entire collection can be seen at the new Sanken Chromatic website: www.sankenchromatic.com

The CU-51's unique dual-capsule design provides an exacting cardioid pattern ideal for vocals and a wide range of musical applications. The ability to withstand extremely high SPLs insures clean, distortion-free response when recording instruments with wide dynamics. The mic has a very low proximity effect and makes vocals and instruments seem larger than life.

A very special characteristic of the CU-51 is its ability to maintain uniform response in both on-axis and off-axis positions. It is common knowledge that varying the direction of a microphone will change the frequency response and tone. The benefits of larger diaphragms are generally accepted, but previous designs typically exhibit limited high frequency response. Current methods to remedy that limitation also have compromises, including a varying response with the off-axis angle. The CU-51 is primarily a music microphone, unique to Sanken, and addresses the general desire to limit the sonic changes in position to level only.



Sanken's CU-51 dual-diaphragm microphone

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*Product shown: KEA power entry module with integrated 2-pole circuit protection

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Radial Intros JDX Direct-Drive Device

BOOTH 839 Radial Engineering's JDX Direct-Drive is a unique device that emulates the sound of a guitar amplifier while doubling up as a direct box. With the Direct-Drive a guitar can be recorded directly from a pedalboard with the tone and feel of playing through an amp. An additional quarter-inch output allows you to feed an effects processor to mix together in parallel and create amazing tonal textures.

The JDX Direct-Drive begins with a traditional quarter-inch guitar input and passive thru-put to feed a stage amp. This is then followed by a dedicated tuner output that is buffered in order to eliminate loading on the pickup or noise from the quartz clock. The guitar signal is then passed through a series of filters to create Radial's signature JDX tone. This is modeled after the sound of a Shure SM57 in front of a Marshall 4-12 cabinet. The JDX Direct-Drive pushes the boundaries with two more settings. The first adds a typical Marshall tube head character to the signal path while the second brings in something similar to a Fender Twin combo.



Radial Engineering's JDX Direct-Drive

WAM Sets 2 All-Star Music Prod Panels for AES

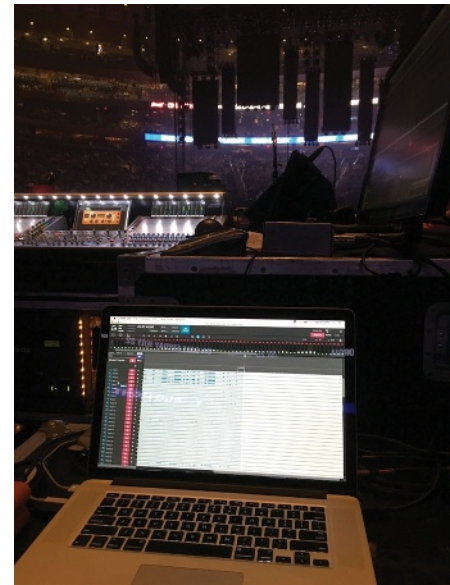
BOOTH 1129 Women's Audio Mission (WAM), a San Francisco-based nonprofit dedicated to the advancement of women in music production and the recording arts, is presenting two all-star music production panels at the 141st Audio Engineering Society Convention.

The panels will feature Grammy award-winning music producers and engineers who have worked with acclaimed artists ranging from Missy Elliott to Jay-Z to Carlos Santana to Taylor Swift. WAM Founder and Executive Director Terri Winston will moderate the "All-Star Album Production" panel on Thursday, September 29, from 4-5:30 p.m. It features Grammy-winning engineers and producers Marcella Araica (Timbaland, Missy Elliott, Britney Spears, Madonna), Laura Sisk (Grammy-winner, Taylor Swift, Shakira, Pink) and Piper Payne (Coast Mastering) and will cover the latest workflow and production tips that create efficiency in the album-making process from pre-production to mastering, including traditional acoustic production and beat-making.

Winston also will moderate the "Platinum Vocal Production" panel on Friday, September 30 at 1:30 p.m. featuring Grammy winning panelists Jimmy Douglass (Missy Elliott, Jay-Z, Timbaland), Leslie Ann Jones (Dianne Reeves, B.B. King, Carlos Santana) and Neal Pogue (Outkast, Pink, Janelle Monae). This session will cover the ins and outs of producing vocal tracks for platinum hits.

WAVES AUDIO, BOOTH 721

Music Mix Mobile's Joel Singer recently recorded the broadcast audio of a duet featuring Billy Joel and Tony Bennett for an upcoming NBC Special celebrating Mr. Bennett's 90th birthday. Due to severe space limitations and time constraints, Singer had to put together a compact, high-quality recording system (shown here): a Waves Audio DiGiGrid MGB interface and an Apple 15-inch MacBook Pro with Thunderbolt SSD drive and recording with Waves Tracks Live. Says Singer: 'Waves Tracks Live is so intuitive and easy to use, it's almost like the cassette deck of years ago, where you'd press record and play, and just go. The combo of using Waves' MGB interface, my MacBook Pro with the SSD drive and Waves Tracks Live simply worked. Waves Tracks Live is so simple to use—the GUI is intuitive and easy to work with.'



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BOSE PROFESSIONAL, BOOTH 105 The Hermitage Hills Baptist Church, in Hermitage, TN, knew they needed a new sound system to accommodate its transition to a more contemporary worship style, but most of the proposed solutions would require moving the church's projection screens, risking potentially expensive architectural changes and still-impaired sightlines. "We needed a sound system solution that would work with the room as it was, and deliver great sound to every seat in the room—that's where we had to start from," explains Chris Orr, the church's Worship Pastor. And that's what they got when Georgia-based Diversified (formerly Technical Innovation's Blue Hat Design) came in and offered a single, elegant, cost-effective solution: a RoomMatch system from Bose Professional. After the installation was complete, "we were stunned—the RoomMatch did everything it was promised to and then some," Orr declared. "I was expecting to at least need tweaks here and there, but we measured it and across 1,600 seats there was less than a half a decibel difference from one corner of the room to the other. The sound was magnificent at all volumes, and the sightlines for the screens were preserved. Bose RoomMatch was very much the right decision."



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Booth 1129

www.womensaudiomission.org



Tegeler Intros Schwerkraft Maschine Compressor

BOOTH 527 Tegeler Audio Manufaktur, a high-end professional audio gear manufacturer based in Berlin, Germany, is introducing a unique new compressor, the *Schwerkraft Maschine*, built on an analog tube signal path and controlled by built-in DSP to emulate any type of compressor on the market. The result is the convenience and flexibility of a plug-in with the highly desired sound of all analog hardware.

Schwerkraft Maschine routes incoming analog signal path through four tubes and six transformers, adding harmonic overtones, presence and density to the sound. The result is low frequencies that are more defined and high frequencies that are pleasantly rounded.

Schwerkraft Maschine includes specially designed built-in DSP that generates a control signal for the compressor settings, allowing it to that simulate the behaviors of any type of existing compressor.



Tegeler Audio Manufaktur's *Schwerkraft Maschine* Compressor

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Antelope Agenda Features FPGA-Based Vintage FX

BOOTH 321 Antelope Audio is showcasing its new FPGA-based vintage FX, along with several of its Thunderbolt interfaces. The Antelope booth features ongoing demonstrations of the FX and interfaces, led by Antelope's U.S. Director of Sales and Marketing, Marcel James. Each day of the convention, as in years past, Antelope is featuring special guests and musicians.

Antelope Audio also is a Project Studio Expo sponsor, supporting more than a dozen sessions occurring between Thursday and Saturday, ranging from topics on "How to Make Your Recorded Vocals at Least Twice as Good!" to "The Special Sauce for Mixing a Hit Record."

Antelope will also be partnering with the AES Student Community to provide a new Zen Tour—the "king among portable interfaces"—as an award for the final stage of the student competition. Finally, Antelope will be posting new career opportunities at the AES job fair, to be held on September 30th.

SPARS Hosts Speed Mentoring at AES

SPARS once again is hosting speed mentoring sessions at AES. The Ask SPARS mentoring sessions will take place on Saturday, October 1. These mentoring sessions feature recognized industry professionals in the fields of Studio Production, Post Production, Gaming, Live Sound/Live Recording, Mixing and Studio Business. The mentors will meet with participants face to face in small groups to offer advice, share their experiences and answer questions about the industry and careers.

The Ask SPARS sessions is made possible with the support of AES and the Game Audio Network Guild (GANG), as well as the cooperation of our talented line up of mentors.

Who should attend: Current students, recent graduates and recording professionals who are seeking answers to questions, guidance in their careers and networking opportunities with established industry professionals. Mentoring is a life long process. SPARS believes members of the recording community should seek mentoring opportunities at every stage of their career.

To register, go to www.spars.com.



OCEAN WAY AUDIO, BOOTH 106 TEC Award-nominated Ocean Way Audio debuts the HiRes3.5 (HR3.5) Studio Reference Monitor. This free-standing or soffit-mounted monitor system delivers a frequency response of 20 Hz to 22 kHz with an SPL rating of 120dB. Shown is Ocean Way Audio President, Rick Plushner.

Synthax Issues RME Fireface UFX+ Interface

BOOTH 1007 Synthax is showcasing the new RME Fireface UFX+ Interface with Thunderbolt and USB 3 connectivity, which enables operation with both Mac OS X and Windows, with support for hot plugging. The UFX+ has an impressive channel count: 12 analog, 16 ADAT, two AES, and 64 MADI for 94 channels input plus output equaling 188 channels total. The Fireface UFX+ includes DUREC (Direct USB Recording) and RME's famous low latency hardware and driver designs.

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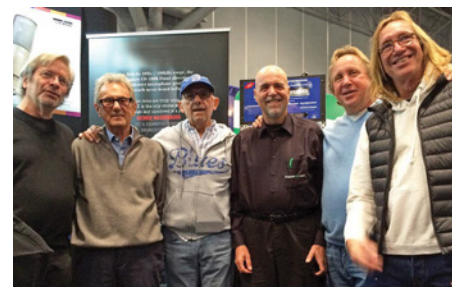
Synthax's RME Fireface UFX+ Interface

channels is 94, meaning all 12 analog inputs plus 64 MADI channels can be recorded simultaneously. Optionally available for use with the interface is RME's new ARC (Advanced Remote Control) USB. This remote connects directly to the Fireface UFX+ or any computer, providing tactile TotalMix FX control.

Sommer Launches EMC-Quad Cable

BOOTH 1127 Sommer Cable is exhibiting its new EMC-Quad, which was tested and certified by the Music Engineering and Technology Alliance (METAlliance). METAlliance co-founder Frank Filippetti comments, "A lot of people say there's no difference among cables, but this new Sommer cable just wipes everything else off the map."

Based on Sommer's widely recognized multicore line, the innovative German company has packed four wires into one jacket, which allows them to be connected in a crossover mode to reduce capacitive



(from left) METAlliance co-founders George Massenburg, Al Schmitt, Elliot Scheiner, Sommer Cable America CEO Martin Ucik, and METAlliance co-founders Ed Cherney and Chuck Ainlay

value. The wires are 100 percent shielded by a tight copper mesh and a semiconductor foil. EMC-Quad ensures absolutely neutral reproduction with excellent dynamics and is recommended for connecting microphones, preamps, power amplifiers, audiophile CD and SACD players, turntables, as well as all professional studio equipment. A 30-day money back guarantee is included.

METAlliance co-founder Chuck Ainlay remarks, "I was shocked when I heard the difference between a cable I use every day and how much better Sommer sounded, far exceeding every other cable that I tried." Ed Cherney added, "Sommer cable is probably the best cable out there."

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Recording Mics in Sennheiser-Neumann Spotlight

BOOTH 411/DEMO ROOM 503 At the 141st AES Convention, Sennheiser and Neumann are highlighting a wide range of new and legacy microphones for various recording applications. Recently introduced models will include the Collectors Edition U 47 fet and versatile TLM 107 from Neumann, as well as the new MK4 digital and the upcoming AMBEO VR Mic from Sennheiser.

A full complement of classic recording microphones will also be on display: From Neumann, this will be the U87 Ai, TLM 67, KM 184 and several other recording staples. Recording microphones from Sennheiser will include the recently introduced MK 8 multi-pattern microphone, as well as classic models from the MKH range, which can be turned into digital microphones using the MZD 8000 digital module.

During the exhibition, the Sennheiser/Neumann Demo Room will also feature a 9.1 monitoring set-up, consisting of Neumann KH 310 and KH 120 nearfields as well as KH 810 subwoofers. Meantime, the exhibition booth spotlights stereo configurations of the Neumann KH 120 and KH 310 monitors, along with the entire line of Neumann studio monitors as part of the display.



Recording microphones on show at the joint AES booth of Sennheiser and Neumann include the Collectors Edition U 47 fet from Neumann

Amphion Features Pensado In Booth Appearance

BOOTH 215 Finnish manufacturer Amphion Loudspeakers is featuring Dave Pensado as a special guest at the company's booth (215) during the 141st AES.

An owner of Amphion's Two18 studio monitors and BaseOne25 system, Pensado will be at the booth on Friday, September 30, starting at 10.30 a.m. At 11 a.m. Pensado will give a

talk on his experience with the Amphions. A Q&A session will follow the presentation during which attendees will be able to direct their queries to Pensado.

In addition, Dave requests that attendees bring one of their mixes on a USB drive. He will choose the person with the question he likes best for an on-the-spot critique of their mix.

Schurter Enhances KFA Series with Ground Line Choke

BOOTH 731 Schurter's popular power entry module, KFA series, is now equipped with an additional ground line choke to suppress high-frequency interference arising from ground loops on the ground line. The KFA series with existing common-mode choke on the phase and neutral conductors, together with an additional ground line choke, is well enhanced for use in audio equipment known for being prone to ground loop problems that lead to diminished sound quality often referred to as hum or buzz.

The KFA power entry module includes an

IEC C14 power inlet connector with a one- or two-pole fuseholder and EMC filter and is available in a wide range of models and designs. The series offers current levels from 1 A to 10 A at 250 VAC according to IEC and UL standards. The series has ENEC and cURus approvals and is suited for applications according to IEC 60950. Wiring is done using quick-connect terminals or wire leads. The KFA is compatible with V-Lock cord sets, designed to safeguard against unintentional disconnection of the power.

Packaging is 10 pieces per box.

MXL & MOGAMI, BOOTH 711

In a joint partnership, MXL Microphones and Mogami Cable are holding a giveaway each day of the 141st AES Convention. The MXL and Mogami AES Daily Giveaway includes over \$2,100 in products, comprised of the MXL Genesis Heritage Edition Tube Microphone, MXL R144 Heritage Edition Ribbon Microphone, the new MXL DX-2 Dual Capsule Variable Dynamic Microphone, a portable MXL RF-100 Reflection Filter, and Mogami Gold Series microphone and Overdrive Series guitar cables delivering pristine quality and low noise. To enter, stop by AES booth 711 and have your badge scanned. Winners will be selected for each day of the show, and will be notified shortly after the show.



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presidential election and the Summer Olympics.

Despite this year's double windfall, broadcasters are being cautious with their purchases, says Tim Finnegan, broadcast sales, Dale Pro Audio in New York. "They have embraced the relatively inexpensive digital mixers," he says.

Clients are choosing desks ranging from the \$2,500 Behringer X32 to alternatives from A&H, DiGiCo, Midas and Yamaha that push into the \$20,000 range. "That's still a whole lot less than they used to spend, and so much capability and facility in a relatively small footprint," says Finnegan.

Broadcasters are also looking for new solutions to the ever-shrinking radio frequency spectrum, says Joe Prout, senior director, broadcast sales, Dale Pro Audio. "Zaxcom makes a new high density wireless system where

you can get potentially 60 channels within a 6 MHz TV channel. Less channels means less latency, but it can still carry more channels than alternative solutions."

On the west coast, post production engineers are continuing to set up on their own, often in their homes. "For a \$1,000, \$2,000 monthly lease payment they can have a couple of hundred grand's worth of equipment in their studio that's better than any sound stage in town," according to Chris Bolitho, post sales representative at Vintage King in Los Angeles.

One client converted his garage. "It's one of the most beautiful sound stages I have ever seen, with an Avid S6 and a theatrical JBL sound system," he says.

Bolitho adds, "We're the U.S. distributor for Trinnov. We've found that the idea of treating your speakers and your room as a system and having DSP room correction has now become mainstream. It makes a [poor quality]

room and speakers really viable, and a good room even better."

On that same topic, David Prentice, recording and post production sales, Dale Pro Audio, has a personal favorite among monitors. "Genelec has gotten it right in monitoring with their DSP system and second generation SAM. As we encounter more and more challenging spaces, manipulating the increased DSP to address those to try to get some semblance of audio is going to rise in importance," he says.

Audio over IP adoption continues to gain momentum. "I like Focusrite's RedNet because it sounds so good; excellent converters, and Dante protocol, which seems to be winning," says Michael Warren, president, MW Audio Visual in Los Angeles. "As system designers and integrators, we have to figure out what protocol to go with for each client. Dante seems to be the best right now; we've had great experience with it."

Classifieds

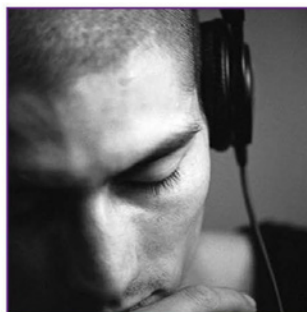
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DACS Spotlights Test Lab Portable Test Unit

BOOTH 328 Designed for engineers to provide swift but rigorous fault investigation, either on site or in the workshop, the Test Lab was conceived in the field by DACS installation engineers and developed by the company's design team to address the tests they needed to solve technical issues that arose during installation and live sound projects. Further optimized after input from audio professionals, the result is a portable test unit operated by battery or, where available, AC power.



A top view of the DACS Test Lab portable test bench

Tests include cable and signal path integrity

of both remote and local signals using an LED bargraph and loudspeaker; correct wiring of cable connectors by cycling through pins to reveal open, shorted or reversed connections. The inbuilt signal generator can send low distortion tone at three frequencies or pink noise to external units. The power inlet provides an indication of the presence and voltage of the AC supply; illumination is provided for soldering or checking connectors. For more information, visit the

DACS booth, 328, located with Independent Audio.

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note by noted composer Ron Jones, "Remember the Human Receptor on the Road to the Future." Later on in the day, a must event is the annual Richard C. Heyser lecture, featuring Dave Smith, founder of legendary synth-maker Sequential Circuits and co-developer of the MIDI protocol, who will present a 50-year history of the synthesizer.

There's also a seemingly endless of supply of workshops, papers, panels and more, plus back-to-basics how-to presentations at the Live Sound Expo and Project Studio Expo, each one filled with insights and knowledge you can actually use, illustrated with real-world examples. Also, don't forget to check in on special tracks like Game Audio, Networked Audio, Product Development and more; they're all there to be enjoyed and learned from.

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content. "The most comprehensive library of audio knowledge is now made readily available to each and every AES Member—even students," he explains. "What really sets the AES apart from other sources of information are our peer-reviewed Journal of the Audio Engineering Society and our AES Standards Committee. These are the crown jewels of the AES and I'm proud to have resisted any calls to cut critical funding."

Further, a new Standards Planning Team headed by David Josephson and appointed by Krivit is poised "to make interesting changes to the program in the way that it will engage the audio science community to

promote technical interoperability through the creation and implementation of technical audio standards."

Employing AES President-elect Alex Case as Chair, Krivit launched a new President's Strategic Planning Team, focused on critical analysis of AES operations utilizing "a number of metrics that have helped us to make important decisions that will impact every member, exhibitor and business partner."

As the long-time AES Education Chair, Krivit brought notable community-building skills into his presidency, stepping up international efforts whenever possible. This will likely prove to be the cornerstone of his legacy in the Society. "I gave talks at a number of schools and events around the globe," Krivit recalls, "including the Kling Gut Symposium in Ham-

the AES

DAILY

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burg, the Sound Check Expo in Mexico City and the AES Brasil Expo in Sao Paulo; the two latter events represent our enormous membership growth in Latin America.

"I was advised not to be too ambitious as AES President—select one or two things and be satisfied," concludes Krivit wistfully. "But that's really not in my nature. My term has gone by pretty quickly, and I feel good leaving the organization in a better place than when I arrived. Each AES President will do the same and I have high expectations for the two brilliant gentlemen who will follow me. I can't express how much I love being a part of the AES and it feels good to give back in my service as the President. It's given me so much as an engineer, educator and as a member of the audio community."



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AES LA 2016

Stop by Yamaha **Booth 603** to see our production, mixing, loudspeaker and networking products. Our technology experts will be available to demo products and answer any product questions.

In **Demo Room 512** we'll have listening sessions for an assortment of Yamaha and NEXO loudspeakers. See our daily loudspeaker demo schedule below.

Nuage Advanced Production System and Steinberg's Nuendo 7.1

Nuage software version 1.8 and Steinberg's Nuendo 7.1 VST MultiPanner provide an ideal environment for Dolby Atmos or any immersive surround production.

Stop by at 11:30 on Thursday, September 29th, for a presentation by Mark Petty from Gearbox.

Digital Mixers

Rivage PM10 Mixing System
CL and QL with Version 4.0 Software
The Compact TF Mixer and the new TF Rack

Loudspeakers

Nexo: ID24 • GEO M6 • STM M28
Yamaha: DSR • DXR • DBR • DXS

Network Interfaces

Dante • SWP1 Network Switch
• R-Series I/O Rack Units

Loudspeaker Demo Schedule

Times are for each day

10:00am – Yamaha D-Series Powered Loudspeakers

12:00pm – Yamaha D-Series Powered Loudspeakers

12:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers

2:00pm – Yamaha D-Series Powered Loudspeakers

2:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers

4:00pm – Yamaha D-Series Powered Loudspeakers

4:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers



Yamaha Booth 603

Demo Room 512

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