



Press Release – for immediate publication

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AES Berlin another busy show for RAVENNA

For those who weren't able to get to NAB in Las Vegas last month, the AES convention in Berlin was yet another opportunity for those interested in AoIP networking to come and learn about the latest developments from a number of industry experts including RAVENNA evangelist, Andreas Hildebrand from ALC NetworkX.

AES67 was among the core topics during this year's European convention. Hildebrand gave no fewer than three presentations during the course of the event, all well attended and very well received.

The first was an overview of audio and video over-IP standards which highlighted the developments in standards work since AES67 was published in 2013. In particular, the SMPTE is working on a suite of standards based on the work of the Joint Task Force for Network Media (JT-NM) and AES67 – SMPTE2110. Hildebrand provided an overview of these standards, the reasons behind their development, a brief explanation of the protocols and network mechanics used and how they relate to AES67.

The second session, co-presented by Nicolas Sturmel from Merging Technologies, was a practical workshop that demonstrated a working AES67 environment including RAVENNA, of course, and offered insight into device and network configuration, management and monitoring. Presenting to a packed room, Hildebrand provided lots of practical tips and recommendations for planning when setting up a mixed AES67 system including advice on networking in general, PTP issues, multicast addressing and IGMP configuration, and QoS issues. Then it was time to put it all to the test...

"The demo utilized a Lawo A_ interface with a Schoeps microphone, a Merging HAPI and their Virtual Audio Device (VAD) for OSX, the RAVENNA Virtual Sound Card (RVSC) for Windows by ALC, two of our favorite RAVENNA-green 8430IP monitors from Genelec, a Luminex PTP-aware GigaCore12 switch and a Dante-based Yamaha TF-1," explained Hildebrand. "You could say that the session sub-title was, 'Hijacking the PA system,'" as the audio for the whole session was actually presented on the networked system! The signal flow went from the microphone to the A_ interface where it was converted to RAVENNA/AES67 and fed to the TF-1, then out via Dante/AES67 to the 8430IP monitors. While there were a few hiccups with the conventional HDMI video splitters during the presentation, the audio side performed flawlessly."

Sturmel then concluded the session with a brief introduction of their new ANEMAN audio network manager.

Hildebrand's final presentation on the PSE stage offered an in-depth explanation of what AES67 is, what it can do and how it can be used, including application examples.

"Just as at NAB, it was great to see the amount of people taking an interest in AoIP networking and making the effort to come and learn more about it," said Hildebrand. "AES may be a much smaller show, but I was still presenting to a packed room every time. It's just goes to show that all the work we have done to promote IP networking and interoperability using RAVENNA/AES67 is really starting to pay off."



In a further session RAVENNA fellows and industry experts Nicolas Sturmel, Greg Shay, Kevin Gross, Fredrik Bergholtz and Peter Stevens discussed the results of the 3rd AES67 plugfest being held at BBC in London earlier this year.

In the exhibition space, RAVENNA partners Lawo, Genelec, Merging, AVT, DirectOut and Georg Neumann were presenting their latest product updates. Merging was also exhibiting their RAVENNA solutions at the High-End Munich 2017 show, which partly ran in parallel to AES.

Your next opportunity to hear Andreas will be at the EBU Network Technology seminar in Geneva on 21/22 June. We then let him off for the summer so that he can regroup and prepare for the next big event which will be IBC in Amsterdam in September.

About RAVENNA:

RAVENNA is a technology for real-time distribution of audio and other media content in IP-based network environments. Utilizing standardized network protocols and technologies, RAVENNA can operate on existing network infrastructures. RAVENNA is designed to meet the strict requirements of the pro audio market featuring low latency, full signal transparency and high reliability.

While primarily targeting the professional broadcast market, RAVENNA is also suitable for deployment in other pro audio market segments like live sound, install market and recording. Possible fields of application include (but are not limited to) in-house signal distribution in broadcasting houses, theaters, concert halls and other fixed installations, flexible setups at venues and live events, OB van support, inter-facility links across WAN connections and in production & recording applications.

Unlike most other existing networking solutions, RAVENNA is an open technology standard without a proprietary licensing policy. RAVENNA is fully compatible with the AES67-2015 standard on *High-performance Streaming Audio-over-IP Interoperability*.

About ALC NetworX GmbH:

ALC NetworX is an R&D company in Munich, Germany. A team of experts with excellent reputation from the Pro Audio industry and in-depth knowledge in networking technologies has developed the RAVENNA technology platform. While ALC NetworX will continue to keep the lead role in the RAVENNA technology development, product implementations will be executed by individual partner companies, such as Archwave, Genelec, Lawo, Merging, Sonifex and others. For a complete list of current partner companies, please see <http://www.ravenna-network.com/partners/>

Interested manufacturers are welcome to join the RAVENNA partner community.

About Broadcast Partners:

Founded in 1979, Broadcast Partners is a premier supplier of professional products and services specifically targeted at the radio broadcasting market. Over the years, the company has evolved from a technical facility provider for radio stations in Belgium and the North-Western part of France to a professional full-service organization and network operator, with offices in Terneuzen and Hilversum.



RAVENNA
AES67 built-in



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