

TOP STORIES First-ever Conference on Time

Vol 11 June 2015

- Sensitive Networks and Applications. AVnu Alliance seats new President
- Directors member. AVnu Alliance booth InfoComm 2015 in Orlando, FL (#551) will host

and Chairman and new Board of

AVB/TSN.

InfoComm2015

Orlando Convention Center) AVnu MWG member face-to-

UPCOMING EVENTS

face

(National Instruments, Austin, AVnu MWG European member face-to-face

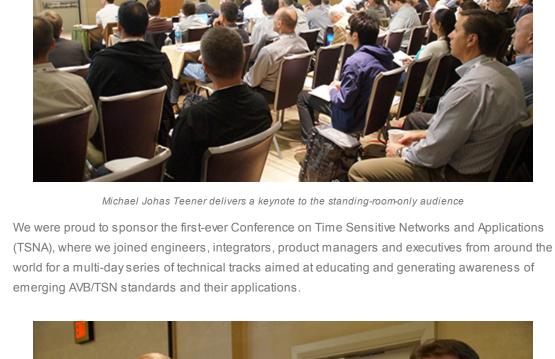
October 21-22, 2015

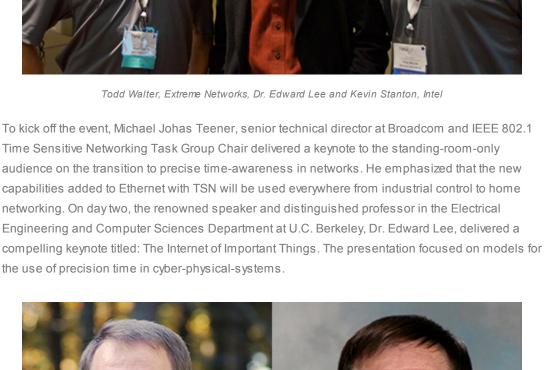
Convention October 29-November 1, 2015

138th International AES

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LETTER FROM THE BOARD OF DIRECTORS





New AVnu Alliance Chairman, Kevin Stanton and new AVnu Alliance President Gary Stuebing We hosted a reception for attendees at which we announced our newly elected officers for the Board of Directors. Gary Stuebing, manager of engineering, IoT standards/architecture at Cisco,

was elected as the new AVnu Alliance President, taking the helm of the organization at the

group manager at National Instruments.

Looking forward to seeing some of you in Orlando!

- The AVnu Alliance Board of Directors

Installations in North America

participated!

conference. With a background in real-world IT management, Stuebing comes to us with extensive leadership experience from other alliances and standards groups such as IEEE, Wi-Sun and HomePlug. Kevin Stanton, who has been active within the Alliance for the past five years, was named AVnu Alliance Chairman. We also added a seat on the Board, filled by Todd Walter, senior

of our membership and board will continue to drive the Alliance toward the vision of an open ecosystem of standards-based, certified-interoperable products that revolutionize networking for all

time-sensitive applications. We are excited to close out this quarter with even more promotion of

AVB/TSN and member products with our 6th annual InfoComm booth (#551).

AVnu Alliance has evolved along with the standards, and the combined knowledge and experience

Following the TSNA Conference, we held our first face-to-face all-member meeting at the Hilton Santa Clara. The meeting was designed to allow members to collaborate with one another to plan the next 12-months. Lots of work was done over eight hours – thanks for all the members who

HERE'S WHAT WE'VE BEEN UP TO Over the past few weeks we've issued new AVB/TSN case studies from the field, showcasing realworld benefits of AVB/TSN today. Below are two of the most recent:

United Brotherhood of Carpenters (UBC) Becomes One of the Largest AVB

The UBC recently completed its new international training facility in Las Vegas. UBC required a flexible audio solution that was capable of supporting the large, multi-functional building. Integrator AVDB of Las Vegas realized that Biamp System's Tesira with AVB was the best fit for this largescale project. AVB not only reduces the amount of wiring needed inside the facility, but allows for easier overall connectivity and the flexibility needed for UBC to expand its audio system as the

needs grow and change. This installation also includes the Extreme Networks AVnu-certified X440 series of AVB switches. To see the full case study, please visit Biamp's website. **ACCEPT Rock Band uses AVB-powered Touring Rig**

the world a bit easier, they sought an agile, mobile solution that could still produce high quality sound. AVnu Alliance members Pivitec, Avid and Extreme Networks all came together to create a solution with an AVB backbone that would make it easy for the band to travel with. The Avid VENUE

the full case study, head over to Pro Sound Web.

showcase. The full schedule of presentations is now available <u>here</u>.

with thousands of audio channels.

products.

Upcoming Events for AVnu Alliance InfoComm 2015 This year at InfoComm, AVnu will deliver AVNU ALLIANCE

S3L-X and Pivitec personal monitor mixing system are linked via Ethernet AVB by an AVnu-certified

experienced drastic time savings," said Wolf Hoffmann, guitarist for ACCEPT. "We take advantage of advanced virtual sound checks which allow us to run recordings from the previous night, listen to the channels and check the sound quality easily and efficiently from the front of the house." To read

Extreme Networks Summit X440-8p switch. "Now with our AVB-powered system we have

networking cocktail party on Wednesday, June 17, from 4:00 to 5:00 p.m. in the AVnu Alliance booth. Attendees are invited to join for discussion on the latest trends in AVB/TSN and AVnu Certification. Click here to register. For AVnu Alliance Members We will host our first ever All-Member face-to-face at the Hilton Santa Clara on the day after the TSNA Conference, making it easy for Alliance members to join us for both

Alliance members AudioScience and Extreme Networks will sponsor an industry-

"What is TSN?" As we came out of the TSNA conference, a few key articles look to answer that for readers. Most recently, InfoComm International posted a Q&A with AVnu Alliance members to explain what

AVnu Alliance in the News

TSN is independent of application, format or bandwidth requirements. Picture TSN having the following conversation with the network: TSN: I want to send some video across a network. Network, tell me if you have enough bandwidth. Network: OK, you have enough bandwidth. TSN: Now, make sure you have that bandwidth for as long as I'm streaming. At the TSNA conference, a handful of media were able to learn first-hand what TSN and the expansion across markets means to everyone involved. Lindsey Adler, editor of System Contractor News published the article on her experience at the event: AVB Proves its Coming of Age at TSNA. "Fresh off the AVnu Alliance's debut conference on Time Sensitive Networking and Applications (TSNA), I can attest to the sold out, standing room only attendance of bright-eyed and engaged participants eager to learn the technical nuances, applications, and deployment tricks of time

sensitive networks." She along with other media in attendance joined us at a roundtable with the

Josh Srago from Commercial Integrator was one of the other press in attendance at TSNA and captured the overall theme in his piece: Rebranding AVB: 4 Key Takeaways from TSNA. He says, "Looking around at the badges of the attendees, I saw representatives from a wide variety of AV companies including wireless microphone manufacturers, speaker manufacturers, and audio DSP manufacturers. They came from offices all over the world to get information about how these time-

Rick Merritt, editor for EE Times Wireless & Networking DesignLine, also attended TSNA

segment chairs from Automotive, Consumer, Industrial and Pro AV.

sensitive networks are going to be implemented."

of the inaugural issue of Biamp's Component magazine.

Unite the Industry

A new standard has arrived that may finally shatter the AV paradigm that protocols are merely a desirable set of features. TSN, or Time-Sensitive Networking, represents a broadening of the IEEE standards to include both AVB and Ethernet in order to guarantee time-of-arrival operations within applications such as industrial control, the automotive sector, and AV industries. Enabling the implementation of Internet of Things (IoT), TSN seeks to reinvent the processes, systems, and individual devices that proliferate today's tech landscape while catalyzing AV/IT convergence to the promise that has been teasing the industry with for so many years.

The industry often forgets that tech-based marketplaces evolve via different sets of standards. Ethernet, for example, first emerged as a standard. At a time when cat 5 communications were in their infancy, demand emerged for a language that would allow devices to communicate more efficiently. Created by a consortium as an open standard, the Ethernet protocol is now responsible

for communication between switches, allowing for everyday data traffic to travel seamlessly

across city infrastructures. Today's AV industry desperately needs this level of standard

between systems, products, and integrated solutions. Electricity also began as a split between AC and DC power before an open standard was created to facilitate provision of electrical current

Trends in Time-Sensitive Networking: How a New Protocol Stands to

satisfaction, commitment to innovation and how they addressed challenges. Full story here on SCN magazine. • At the NAB 2015 show, alliance member Avid introduced the new VENUE | S6L System as an upgrade of the legendary VENUE live mixing system. The "S6L delivers unrelenting performance and reliability through its advanced engine design and backs it up with modern touchscreen workflows and scalability to meet any challenge." Full specs can be found on their website. Also at NAB 2015, alliance member Axon Digital showcased an entire booth powered by Ethernet AVB. Axon fed all product demos over Ethernet AVB including demonstrations of 4K signal processing, live production mixing and stream monitoring. Learn more about Axon at their website.

Updates for Members

as Volunteer of the Year for his longtime volunteer service to the organization.

• Ron Camden, VP of Global Sales at Biamp was honored in Top InfoComm 2015 Awards

International heavy metal rock band, ACCEPT, has been touring the globe for over three decades, and spent many of those years lugging around heavy performance equipment or relying on unpredictable local gear at each stop. To keep their sound consistent and make traveling around

new in-booth education sessions from **COCKTAIL PARTY** AVnu members on several AVB/TSN topics, ranging from troubleshooting to WEDNESDAY JUNE 17"/ FROM 4-5PM case studies from the field. The AVNU ALLIANCE BOOTH: #551 dedicated AVnu Alliance Pavilion (booth #551) will also display AVB/TSN and av \$w **E** Extreme AVnu-certified ecosystems in a product WWW.ANIOS

On Friday, June 19 at 8:00 AM, Jeff Koftinoff, Meyer Sound, will give a presentation as a part of the official InfoComm program. In his presentation, 'Deploying Large-Scale AVB Networks' he will share how AVB/TSN can simplify building audio networks. Attendees will gain insider tips on how to plan, deploy, and manage AVB audio and video networks

events. Presentations about AVB/TSN standards, certification testing plans, use cases, and more will provide members with an update and review of the AVnu Alliance roadmap and provide valuable resources to members looking to implement AVB/TSN into their

Over the past few months, AVnu Alliance has been educating professionals across industries on

TSN and IoT has to do with AV networking entitled: Perfect Timing and the Internet of Things: Q&A

with the AVnu Alliance. In this piece Nermina Miller aims to explain TSN in the most basic terms and answer questions that the AV/IT industry need to know about TSN and open standards. Excerpt:

the event and covered the role Ethernet will play in cars and factories. "Now we can use [Ethernet] everywhere...from industrial control all the way to desktop," he quotes. AVnu Alliance member, Biamp Systems has been doing its share of education on TSN and has written several editorials for AV Magazine, Installation magazine and others on TSN and where it fits into the ongoing AV standards debate. Below is an excerpt of the most recent editorial from Biamp's Executive VP of Marketing, Graeme Harrison. To read the complete article, please visit the Biamp Systems booth (#743 adjacent to the AVnu Alliance booth) at InfoComm 2015 for a free copy

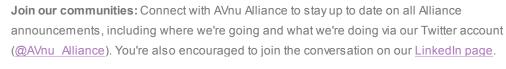
Conference with a focus on industrial and automotive. He spoke with several of the presenters at

consolidation, which unlike the IT industry, continues to release proprietary protocols thirty years later. **Member News and Recognition**

 Congrats to member Biamp Systems for their 2015 Global Installed Audio Conferencing Enabling Technology Leadership Award from industry analyst firm Frost and Sullivan. They

were selected based on rigorous criteria such as application diversity, customer

- Visit us in booth #551 at InfoComm 2015 Click <u>here</u> to see photos from the first ever conference on TSNA
- If you have ideas for stories, news, case studies, awards, photos or other submissions you want shared in the newsletter, please email them to AVnu@castercomm.com.



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