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Audio Engineering Society – New York Section MEETING NOTICE

Tuesday, February 8, 2005 – 7:00 P.M.

Please come to the “Meet and Greet” at 6:30 PM.

Jazz Performance Space **The New School University**

55 West 13th Street, 5th floor
(between 5th & 6th Avenues)
New York, NY 10011

Digital Audio Conversion

David Smith Vice President of Engineering, Sony Music

Dan Lavry of Lavry Engineering

<http://www.lavryengineering.com>

Dan will be talking about jitter in digital audio. When and how does jitter affect the signal? When and how does data transfer jitter affect conversion? What are the common sources of jitter? Join us for an evening of stimulating and informative discussion where Dan will contrast and compare random, non random and signal dependent jitter. Also covered will be circuit and system approaches for optimizing jitter performance, including phase lock loops and sample rate conversion. Synchronization schemes and cable issues will also be examined. As always, your participation through questions and comments is welcome.

A renowned figure in the field of electronics, **Dan Lavry** has developed state of the art test systems for integrated circuits, time interval meters for instrumentation, test equipment for physics laboratories, advanced load-sharing technology for telecommunications, converters for MRI and CAT scanners, and amplifiers for medical gear. Dan shifted his focus to audio during the mid 80's when audio began to go digital. He designed the first segmented DAC module purchased by OEMs such as Mark Levinson and Pacific Microsonics. For his company, Lavry Engineering (formerly dB Technologies), he continues to create state of the art A/D and D/A converters, microphone preamplifiers, and sample rate converters.

The AES NY Section is pleased to thank our underwriters for their continued support, **Innovative Audio** and **Studio Consultants, Inc.**
We encourage you to support your local audio dealers.

Remember to check our web site for the latest updates and information <http://www.aes.org/sections/ny/>

PLEASE POST... This is an open meeting ... EVERYONE IS WELCOME TO ATTEND

Broadcast audio in Surround

The January 11 meeting of the NY section of the AES at the CBS Broadcast Center was a success! Digital Radio (IBOC and Satellite) has been introduced to the U.S. radio audience so the next technical innovation being introduced is to deliver digital surround sound while still being able to deliver analog stereo audio within a radio station's licensed bandwidth. We had a lively discussion on two possible technologies that could bring 5.1 surround sound to satellite and terrestrial radio broadcasters. Frank Foti, president of Telos-Omnia gave a general introduction of 5.1 to digital radio as well as briefly discussing the technology proposed by the Fraunhofer institute. Geir Skaaden, CEO of Neural Audio Corp. talked about his firm's proprietary technology of 5.1 surround and how it has been used so far at NPR and XM. The big battle seems to be over how much information can be put in a low bit rate stream without being detrimental to the audience's listening experience. This discussion will be continued and expanded on at the fall AES convention as one of the Broadcast Events.

-- David Bialik