

MEETING NOTICE!



**AUDIO ENGINEERING SOCIETY, INC.
SAN FRANCISCO SECTION**

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**Knapp Talks on 3D Audio at
Cogswell College**

On January 27, Ron Knapp of Medianix Semiconductor, Inc. demonstrated their line of single-chip digital 3D audio processor ICs to about 60 people at Cogswell College. These chips are designed for "personal electronics," which encompasses television sets, home-theater A/V receivers, add-on computer speakers and multimedia personal computers. Knapp also demonstrated an implementation of Virtual Dolby Digital technology that will serve as the platform for its 3D audio processor chips.

Medianix, a Mountain View start-up has established alliances and licensing arrangements with all of the leading audio processing technology companies, including Dolby Laboratories, Harman Interactive Group, BBE® Sound, Inc., SRS® Labs, Inc., and Spatializer® Audio Laboratories, Inc. Medianix implements the digital audio algorithms developed by these companies in silicon, producing integrated semiconductor- and firmware-based digital products that are optimized for audio applications in consumer electronics and personal computers.

The Medianix chips use a proprietary 24-bit digital signal processor (DSP)

to decode surround sound-encoded audio and process it for either full six-speaker surround sound or virtual surround, which creates the illusion of multiple speakers surrounding the listener when, in fact, there are only two front speakers. The virtual speakers produced by the Medianix chips allow dramatic, accurate playback of multichannel surround sound audio over just two speakers, thereby delivering full home theater quality audio to a broader market.

All of the virtual surround sound processing technology is in on-chip memory, so the system designer does not need to develop any DSP code.

Medianix Semiconductor, headquartered in Mountain View, California, is a provider of complete silicon solutions for digital consumer audio products. Through a partnership with New Japan Radio Corporation and technology licensing agreements with companies such as Dolby Laboratories, SRS and Spatializer. The company develops enhanced, standards-based ICs and markets them to leading international consumer product OEMs.

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FEBRUARY MEETING



Subject: EuSynth/Wave64
Speaker: Dr. Jeffrey Barish, David Taylor, EuPhonics
Place: Cogswell College, Sunnyvale
Time and Date: February 18, 7:30 PM (refreshments at 7:00 PM)

EuSynth/Wave64 with DIVA technology will be described and demonstrated. This product from EuPhonics is the computer industry's first 64 voice polyphonic DirectMusic accelerator for music synthesis. Dr. Barish will discuss DIVA's architecture. Mr. Taylor will describe market transitions exploiting this EuPhonics innovation. An open discussion will follow the demonstrations.

Dr. Jeffrey Barish is founder, president, CEO, and Chairman of EuPhonics. Dr. Barish, a Fellow of the Audio Engineering Society, has been active in digital audio and digital music synthesis since the earliest days of the technology. Prior to establishing EuPhonics in 1987, he was Founder and Vice President of Engineering of Sonic Solutions, where he developed a computer system for eliminating noise from music recordings ("NoNoise"). He also worked at Lucasfilm/The Droid Works, where he was Hardware Manager of the team developing SoundDroid, a programmable system for processing digital audio. Dr. Barish's studies in the area of concert hall acoustics have been used in the design of several of the most successful new concert halls. Dr. Barish holds an S.B. in Electrical Engineering from MIT, and a M.S. and Ph.D. in Electrical Engineering from Stanford University. He holds two patents and is well published.

David M. Taylor is Executive Vice President and Chief Operating Officer of EuPhonics. Prior to EuPhonics, Mr. Taylor was with S3 Inc., where he was instrumental in the introduction of SonicVibes, the industry's first PCI audio accelerator. SonicVibes embodies several algorithms from EuPhonics SoundCore package. He also led S3's collaboration with Microsoft Corporation in the DirectMusic API. A 16 year Intel employee, Mr. Taylor served as marketing manager of the Personal Computer Enhancements Division. His Intel development teams products AboveBoard, the Inboard 386, the SatisFAXtion board, the computer telephony API known now as TAPI, and the first Intel Pentium-based software wavetable music synthesizer. Mr. Taylor has a B.S. from Portland State University and an MBA from Colorado State University. He is member of the Audio Engineering Society and the American Marketing Association.

Directions

From the East Bay - Take 880 to 237 west. Exit on Mathilda Ave. north. Turn right on the frontage road and then left onto Bordeaux Drive. The meeting is in the auditorium.

From the Peninsula - Take 101 to 237 east. Exit on Mathilda Ave. north. Turn right on the frontage road and then left onto Bordeaux Drive. The meeting is in the auditorium.

COMING EVENTS

February 4 - 8
 Gavin Seminar
 San Diego, CA

February 5 - 7
 SMPTE Imaging Conference
 Toronto, Canada

February 16
 Presidents' Day

March 2 - 6
 Syn-Aud-Con
 Anaheim, CA

JOB BOARD

Now Hear This, a leading manufacturer of high quality loudspeakers is looking for the following candidates: Mechanical Engineering Supervisor, BSME and minimum 4 years audio related experience. Production Engineer, BS in production engineering or related field and minimum 2 years audio related experience. NHT, located in beautiful San Francisco Bay Area, is an acknowledged leader in the audio loudspeaker industry. We offer an excellent package and a flexible work environment. Fax resumes to MS at 707-747-1237

InVision Interactive is a high-growth, venture funded, audio software company based in Palo Alto. With current sales of 5 million, InVision is pre-IPO and is aggressively adding to our team of thirty people. InVision develops and markets a line of music software products called "CyberSound" for music authors, web page developers, and professional musicians. We are currently seeking candidates for the following positions: Vice President of Software Engineering, Director of Software Engineering and Senior Audio DSP Engineer. Please see our web page for more details or forward your resume to: Vanessa Belland, 2445 Faber Place, Suite 102, Palo Alto, CA 94303-3316 Phone: 650-812-7380 x504 Fax: 650-812-7386 e-mail: vanessab@cybersound.com web site: www.cybersound.com

Additional job openings are posted on the AES web page.

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