



AES 2002-2003

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PLEASE POST THIS NOTICE IN YOUR OFFICE

Audio Engineering Society Chicago Section



Thursday, June 12th 2003, 7:30 PM

Technology Issues In Surround Sound, Multi-Channel and Multi-Format Audio.

By Dr. Richard C. Cabot, President XFRM, Inc.

The next meeting of the Chicago section of the Audio Engineering Society will be held on Thursday, June 12th 2003 at the Holiday Inn North Shore in Skokie. Dr. Richard C. Cabot, President of XFRM, Inc., will give a presentation titled "Technology Issues In Surround Sound, Multi-Channel and Multi-Format Audio."

Current surround sound technology has evolved from its early roots in quadraphonics and cinema sound to be the strongest, except for low bit-rate coding, perhaps the only, growth segment in the audio industry. In many formats, surround sound is closely linked to low bit-rate coding technology and various firms have taken different approaches to their implementation. Paradoxically, DVD-A and SACD have combined surround sound with large increases in bit rate. Despite the huge advancements in these areas, there are several aspects of equipment, which are generally not well implemented. Among these are bass management, format detection, surround channel diffusion. Additionally, the implementation of these formats at either very high bit rates or very low bit rates introduces several generally unrecognized performance issues. Coupled with the limitations imposed by digital rights management schemes and constraints the consumer is presented with a sub-optimal audio experience. Dr. Cabot will discuss these issues and the results of his current research into them.

Dinner will begin at 6:30pm with the presentation immediately following dinner at about 7:30pm. For menu information or to make dinner reservations, call Treasurer Simone Koo at (847) 523-5432 by noon on June 12th. You can also reach Simone by calling his pager at (888) 597-8606 or 5978606@skytel.com. All AES members will receive a \$1.00 discount on dinner. All student members (with student ID) will receive a \$10.00 discount.

Meeting Location:

Holiday Inn North Shore in Skokie
5300 West Touhy Avenue Skokie, IL
(at the northeast corner of Touhy and Niles Center Road)

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2003-2004 Officer Elections This Month.

The election of the 2003-2004 AES Chicago Section officers will be held during this month's meeting. The current nominations for this year's elections are as follows:

Chairman A.J. Bautista

Vice-Chairman Gary Khan
 Bob Zurek

Treasurer Simone Koo *

Secretary Bob Zurek *
 Tom Miller

Committee Jim Brown *
 Gary Khan *
 Tom Miller *
 David Prince *
 Marty Reiling *
 Bob Schulein *
 Jeff Segota *
 Ron Steinburg *
 Giles Davis
 Bob Zurek

An asterisk next to a name indicates the person currently in this office. If you would like to nominate anyone for an office, please contact Giles Davis or Bob Zurek by end of business on Wednesday June 11th.

About this month's speaker: Dr. Richard C. Cabot was a co-founder and the former CTO of Audio Precision. His current firm, XFRM, Inc. (www.xfrm.com) does research and consulting in digital audio technology. He is a former president of the AES and has presented numerous papers on audio technology both to AES conventions and conferences as well as to other organizations.

Email and Printed Mailing Lists

If you are not already on the AES Chicago Section email list, please contact Bob Zurek to have your name added to the list. By distributing these meeting notices via email, we can save our section the cost of mailing out the notices. By adding your name to the email list you will receive notice of meetings sooner, and will receive any last minute meeting changes, that are not feasible by regular mail. If you are currently receiving these notices by email you do not need to do anything. If you would still like to receive the printed notices by regular mail please contact Bob Zurek by the phone or email listed in the header. Information about past and future meetings can always be found at the AES Chicago Section website at:
www.aes.org/sections/chicago

Upcoming Meetings

June 12th, 2003 – **Richard Cabot and officer elections**

AES Chicago Section

June 12th Meeting Summary

What: Technology Issues In Surround Sound, Multi-Channel and Multi-Format Audio.

Who: Dr. Richard Cabot

When: Thursday, June 12th, 7:30 PM

Where: Holiday Inn North Shore, Skokie



Audio Engineering Society
60 East 42nd St.
New York, NY 10165-2520
www.aes.org

RETURN SERVICE REQUESTED

**ATTENTION:
AES CHICAGO SECTION
JUNE '03 MEETING NOTICE INSIDE
NOTE: THURSDAY DATE**