**AES** Audio Engineering Society - Pacific Northwest Section

*Around the Puget Sound, Seattle, Washington, U.S.A.*

# April Meeting Announcement

updated March 21, 2003

# Audio Design for Non-Traditional Audio Products

## Presented by Bob Smith

## Staff Scientist, Medtronic Physio Control

## Hosted by the PNW Section of the Audio Engineering Society

## April 8, 2003, No-host dinner at 6:30pm

## Pailin Thai Cuisine, 1121 NE 45th, Seattle (206) 547-2399
## (formerly China First on 45th)

(NOT at Goldie's on Airport Way anymore. They were 21 or older)

We all know how important good audio is for traditional applications such as broadcast, film, music production, etc. But sometimes the notion of good takes on another meaning when applied to a non-musical product where the audio output is just one facet of the product design. There is a growing need for audio design as it applies to the ever increasing number of products that use audio as part of the user interface.

If you were in charge of the audio portion of a defibrillator designed to be used by non-medically trained personnel, just what would you do? What issues and compromises would you be faced with? Not only is the power budget limited by battery operation, the speaker location is not optimal, and there is only so

much room in the device's program memory for voice prompts. Regulatory requirements further constrain the design. The audio output of this device has to make the most of limited output power and loudspeaker limitations, and it has to be clearly audible in very noisy environments.

Come to our April 8th meeting and find out. Our speaker is Bob Smith, staff scientist for Medtronic Physio Control. Bob took a unique double-ended approach to solving this problem. Come and hear for yourself.

This link to the Medtronic Physio Control website describes this innovative product.

Directions to Pailin Thai Cuisine

**N.B. There is a no-host dinner at 6:30pm. Order from the menu, separate checks, first come first served. 15% tip will be added. The actual meeting will start around 7:30, +/- 1dB if you don't want dinner.**

# May 21, 2003, Glennsound Studios

Mike Overlin, Yamaha Corporation, and John Strawn, S Systems, will discuss mLan / 1394, a method of distributing audio signals via IEEE 1394 Firewire.

Watch this space for further developments.

**Our meetings are open to anyone interested in Audio. AES membership is NOT required for you to attend our meetings.**