

Student Appreciation Night

Outstanding EECS Student Awards

Technical Presentation: Patent-Free Audio Compression Using Ogg Vorbis

Time and Place

April 23, 2003
6:00 PM - 8:30 PM

SSOE, Inc.
1001 Madison Avenue
Toledo, OH

Buffet dinner provided by SSOE caterer. Cost: \$15.00 for IEEE members - no charge for Electrical Engineering and Computer Science students attending.

For Reservations call Dr. Jerry Heuring at 419.530.8143, by e-mail to jheuring@eecs.utoledo.edu, or use our on-line reservation form at <http://www.ieee.org/toledo/> no later than 5:00 PM, Friday, April 18.

Outstanding Student Award Presentations

Awards will be made to two outstanding students in Electrical Engineering and two in Computer Science and Engineering.

First award consists of a certificate and \$200 cash, and second consists of a certificate and \$100 cash.

A PDF copy of the award notice and application form is available by following a link from the Section home page at <http://www.ieee.org/toledo/>.

Awards will be presented by the EECS Department Chair, Dr. Demetrios Kazakos

Presentation Speaker

Carsten Haese is a University of Toledo alumnus with a Masters degree in Applied Mathematics. He works as a software engineer for Unique Systems, Inc. In his spare time, he actively contributes to the Xiph.org Foundation by editing Ogg Traffic, a regular newsletter that summarizes Ogg development activity and interesting topics from the Xiph.org mailing lists.

Presentation Abstract

Ogg Vorbis is a completely open and patent-free codec for lossy audio compression. It is the first project of the Xiph.org Foundation's Ogg initiative that aims to create open and patent-free multimedia standards to replace proprietary and patented formats. Ogg Vorbis is an attractive alternative to MP3, MP3Pro, WMA, AAC, and other proprietary audio codecs.

Other Xiph.org projects include FLAC for lossless audio compression, Speex for low-bitrate speech compression, Theora for video compression, Icecast for multimedia streaming, and cdparanoia for accurate CD audio extraction.

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