

34th SMPTE Advanced Motion Imaging Conference Fairmont Hotel, San Francisco, CA February 3-5, 2000



The first SMPTE conference of the new millennium, the 34th Advanced Motion Imaging Conference, will take place in San Francisco, CA on February 3-5, 2000. Employing the theme "Bandwidth, Bitrate, and Resolution," the three-day program, chaired by Charles Hintz, CSU-Hayward, and Richard Mizer, Digital Ventures Diversified, Inc., will consist of an all-day seminar and four technical sessions.

All-Day Seminar

Conference activities will begin on Thursday morning, February 3, with an audio tutorial hosted by Dolby Laboratories engineering group. The seminar will cover audio issues from the Nyquist criterion and Shannon theorem to basic Reed-Solomon coding techniques, and audio coding and bandwidth. AC-3 (the audio standard of ATSC) and Dolby-E will be introduced.

The tutorial will continue throughout the afternoon with a panel from Hewlett-Packard and Tektronix discussing modulation schemes in broadcast (ATSC 8VSB) and cable (64 & 256QAM). Then, an MPEG-2 presentation, including compression concatenation, will wrap up the late afternoon. The tutorial presents a foundation of the core technologies of the issues to be dealt with in the following two days of sessions and is presented for all attendees who desire an introduction, review, or update of the issues to be faced.

Technical Program

Friday morning, February 4

Topics include:

- lenses • cameras • lighting
- display interface, display resolution

Friday afternoon topics:

- transmission and program streams
- synchronization, receiver, IRD issues
- de-multiplexing, and decoding
- testing and monitoring specific to the studio operating point.

Saturday morning, February 5

- data switching
- data tape and disk storage
- transport bitrate
- ATM optical and electrical switching and routing issues
- common carrier transport topologies, and desktop and cable set-top transports, including the IEEE 1394 interface

Saturday afternoon

This session is all about the payoff—what the client and customer sees and hears. The display, projection, and audio issues that remain will be revealed as they are being resolved. This is the state-of-the-state-of-the-art report on Electronic Cinema, Progressive vs. Interlaced Displays, and Picture Quality in a Compressed World (DVD vs. DTV vs. DBS) that attendees will not want to miss.

Air Travel Discounts

A 5% discount off the lowest applicable fare will be offered only when you or your travel agent call United's toll-free number 1-800-521-4041 and refer to the Meeting ID Number 558HN. A 10% discount off unrestricted mid-week coach fares is available when purchased 7 days in advance. An additional 5% discount will apply when you purchase your tickets at least 60 days in advance of your travel date. Discounts apply only on United, Shuttle by United, and United Express. Reservationists are on duty 7 days a week, 7:00 a.m. to 12:00 midnight EST. Mileage Plus members receive full credit for all miles flown to this meeting.

Sponsorships

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