

125th SMPTE Technical Conference and Equipment Exhibit, Los Angeles, California October 30–November 4, 1983

The 125th SMPTE Technical Conference and Equipment Exhibit will be held for the first time at the new Los Angeles Convention Center in California. The conference will be held from October 30 to November 4, 1983. A huge turnout is projected for the meeting, which will be the largest and most comprehensive to date.

Five full days of technical sessions will be held, focusing on the theme of "Future Sights and Sounds." Guest speakers will represent all areas of film and television, speaking on the latest and most important developments in the state of the art. Under the supervision of Editorial Vice-President Maurice L. French, CBC, Program Chairman William Hogan, Ruxton Ltd., and Papers Program Coordinator Julian Hopkinson, Agfa-Gevaert, have put together a varied and interesting papers program, assisted by Co-Chairmen Charles Conaty (Sound), Dan Brewer (Video), and Rick Thomas (Film). Conference Vice-President Charles A. Ahto, Tape-Films Industries, and General Arrangements Chairman Charles Kircher, Foto Kem Industries, have seen to it that no detail is overlooked for the comfort and convenience of the delegates.

The equipment exhibit promises to be the largest in SMPTE history. It will occupy more than 70,000 ft² of the Convention Center, and will house more than 609 booths showing the latest in professional motion-picture and television equipment. Representatives of the many firms participating will be on hand to demonstrate the equipment and answer questions from the floor. A directory of exhibitors follows this article.

Exhibit hours will be as follows:

Monday, 2:00–8:00 p.m.

Tuesday, 10:00–6:00 p.m.

Wednesday, 10:00–6:00 p.m.

Thursday, 10:00–4:00 p.m.

Papers Program

The following papers were received as of July 1, 1983. Further details will be given in the October conference update. A partial list of presentations follows, but some papers may be added

Program Committee	
Editorial Vice-President	Maurice L. French
Program Chairman	William Hogan
Program Coordinator	Julian D. Hopkinson
Program Co-Chairman (Sound)	Charles F. Conaty
Program Co-Chairman (Video)	Dan Brewer
Program Co-Chairman (Film)	Rick Thomas
Arrangements Committee	
Conference Vice-President	Charles A. Ahto
General Arrangements Chairman	Charles D. Kircher
Spouses' Program Chairwoman	Judy Chewey
Registration Chairman	Fred Godfrey
Facilities Chairman	Michael Chewey
Security Chairman	Bucky Freedman
Opening Film and Tape Chairman	Ron Little
Awards and Fellows Luncheon	Howard La Zare
Display Chairman	Wally Vance
P.A. and Recording Chairman	Frank Pontius
Hospitality and Information	Esther Kessler
Membership Chairman	Ken Fowler
Banquet and Entertainment	Richard Barlow
Audiovisual and Projection	Don Kloepfel
Transportation Chairman	Don Carlson
Transportation Asst. Chairwoman	Carol Conaty-Horton
Assistant Auditor	Gordon Cory

or omitted before the conference. Inquiries about specific papers or sessions should be addressed to Society Headquarters, 862 Scarsdale Ave., Scarsdale, NY 10583, Att: Mrs. Mary Connolly, Programming, 125th SMPTE Conference, or telephone (914) 472-6606. The final program listing paper titles, authors, and times of presentation will be available approximately ten days before the conference from Society Headquarters. The synopses booklet will be available at the conference.

As of July 11, the following papers had been scheduled for presentation:
Digital Video Supertrunking on Single Mode Optical Fibers, S. D. Personick, A. Jalali, T. V. Muoi, D. Arstein, and A. Jackson, *TRW Technology Research Center*, El Segundo, CA.

A New Look at 70-mm Sound—Proposed Revisions of the Magnetic Sound Tracks for Theatrical Release

Prints, John Mosely, *Twentieth Century Fox Film Corp.*, Beverly Hills, CA.

New Developments in the Filtering of Photographing Solutions, Jeffrey I. Eden, *Eden Equipment Co., Inc.*, Huntington Beach, CA.

Adaptive Contrast Corrector Through Histogram Modification in Real Time, Michel Favreau and Serge Soca, *Thomson-CSF/DRT*, and Jean Bajon and Michel Cattoen, *Enseeiht*, Toulouse, France.

Studio "M", An Experience in Sound, Christopher Stone and Dan Wallin, *Record Plant, Inc.*, Los Angeles, CA.

Manual and Automated Control of Multi-Channel Theater Sound Systems, Lynn Allan McCroskey, *Sonics Associates, Inc.*, Birmingham, AL.

A Twelve-Inch Diameter Pump/Filter/Computer to Control Liquid Temperature to 100 GPM, Marvin

Roberts, *Lab Methods Corp.*, Canoga Park, CA.

A Computerized FCC/RGB Data Collection System, Marvin Roberts and Joseph Wary, *Lab Methods Corp.*, Canoga Park, CA.

A Survey of Recent SMPTE Standards and Test Films for Audio Recording and Reproduction, Michael J. Strong, *World Wide Pictures*, Burbank, CA.

Safe Application of Isolation Transformers and Safe Grounding of Electronic Systems for Common-Mode Noise Control, Warren H. Lewis, *Computer Power Systems Corp.*, Gardena, CA.

The Development and Application of Microcomputer Software for Motion Picture and Television Production, Jack C. Smith, Los Angeles, CA.

A Multiprocessor System for Computer Assisted Post-Production Sound Mixing, David Harrison, Henry Martin, Brooks Trace, and Jess West, *Harrison Systems, Inc.*, Nashville, TN.

New Factors in Theater Loudspeaker Design, Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA.

Magnetic Films Compared, Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA.

Electronic Crossover for THX Loudspeaker System, Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA.

The Use of EBU/IRT and SMPTE Code for Film Editing, Wolf-Ruediger Otto, *W. Steenbeck GmbH & Co.*, Hamburg, Germany.

Static Control in Film Transport Systems, Kenneth J. Clum, Hugh R. McNair, and John P. Pytlak, *Eastman Kodak Co.*, Rochester, NY.

Grounding and Proper Use of Isolation Transformers, J. T. Kalbach, *Kalbach Engineering*, 920 Alta Pine Drive, Altadena, CA.

Practical Contemporary Projection Room Design, Don Helgeson and Ken Rapier, *I.A.T.S.E. Local 110*, Evanston, IL.

The Methodology of Supply Program Audio for the 1984 Los Angeles Summer Games, or Video Without Audio in Only Half a Show, Dave Herman, *American Broadcasting Co.*, Hollywood, CA.

The OTS-1 Optical Sound Track Simulator, Terry Beard, *Nuoptix Inc.*, Westlake Village, CA.



Editorial Vice-President Maurice L. French.



Conference Vice-President Charles A. Ahto.



(L-R) Program Chairman William Hogan, Program Coordinator Julian Hopkinson, and General Arrangements Chairman Charles Kircher.

Computer Control of Audio for Video Production Editors, John E. Juhasz, *ADM Technology*, 1626 E. Big Beaver Rd., Troy, MI.

The Meteorological Information System and Its Application to the Weather Forecasts, Yoshikazu Higashiyama, *NHK (Japan Broadcasting Corp.)*, Tokyo, Japan.

Using Dolby Stereo Variable Area Sound Track as a Release Format, John Bonner, *Warner Hollywood Studios*, Los Angeles, CA.

Film to Tape: An Operator's Perspective, Steve Irwin, *Image Transform, Inc.*, N. Hollywood, CA.

A Comparison of Various Television Systems to 35-mm Film, Tom Mann, *Image Transform, Inc.*, N. Hollywood, CA.

Broadening Video/Graphics Applications, Eugene Leonard, *Quanta Corp.*, Roslyn, NY.

Social Activities

In addition to the papers program and the equipment exhibit, a wide spectrum of social activities is planned for those attending the conference. A morning coffee club will be held daily, in addition to a welcome reception for

registrants, an Honors and Awards Luncheon, Fellows Luncheon, a complete program for spouses or other guests, and concluding with a cocktail party and banquet.

Coffee Club

The Coffee Club at the Los Angeles Convention Center for the 125th Conference will be open Monday through Friday and will be sponsored by Fuji Photo Film U.S.A.

Honors and Awards Luncheon

SMPTE's annual conference luncheon is being held on Monday, October 31, and will feature the presentation of SMPTE Honors and Awards which recognize outstanding achievements in motion pictures and television and service to the Society.

Fellows Luncheon

The Fellows Luncheon, for new and old Fellows of the Society, will be held Tuesday, November 1, at noon. The event will include a reception sponsored by Magnasync/Moviola Corp., and will give the new Fellows announced at the Honors and Awards Luncheon on Monday a chance to meet their Fellow peers.

SMPTE Banquet

On Wednesday evening, November 2, SMPTE will hold its annual banquet, cocktail party, and dance in the Grand Ballroom of the Bonaventure Hotel. Companies wishing to reserve tables at the banquet should get in touch with Thomas Mann, (213) 985-7566, or the SMPTE Headquarters for the forms.

Sponsored Activities

The Society wishes to thank the following sponsors for their generous support:

Conference Program, JVC Corp. of America; Sunday Evening Reception, Eastman Kodak Co.; Coffee Club, Fuji Photo Film U.S.A.; Pages, American Broadcasting Corp.; Pre-Banquet Cocktail Party, 3M Corp.; Table Wines at Banquet, Technicolor, Inc.; Music and Entertainment (Banquet), Hazeltine Corp.; Refreshments at Fellows Luncheon, Magnasync/Moviola; Blood Pressure Testing, Will Rogers Memorial Fund.

Spouses' Program

A fun-filled week of activities for spouses and/or guests has been planned for interested participants. Beginning with a tea on Sunday, the program will feature a lecture on astrology by Alice Reichard, a visit to the Hancock Mansion on the University of Southern California campus, a day at Newport Beach including lunch at the Balboa Yacht Club and a cruise through the harbor. A tour of the Little Tokyo area of Los Angeles is planned, with time to enjoy the many facets of Japanese culture indigenous to the area. On Thursday, guests will be taken on a tour of Hollywood, with stops at various working studios and concluding with a visit to Beverly Hills. On Friday, the last day, a visit to the famous Huntington Library and its gardens is planned.

Spouses are invited to attend the Welcome Tea on Sunday, where they can sign up for the activities they prefer. Pre-registration packets for the spouses' program may be picked up at the Roman Room of the Biltmore Hotel starting at noon on Sunday, October 30.

Committee Meetings

The majority of SMPTE Committee meetings will be held in the Los Angeles Convention Center, including Engineering, Administrative, and Editorial. The Board of Governors

Hotel Rates				
	Singles	Doubles/Twins	Club Sgls/Dbles	Suites
Biltmore Hotel	\$70, 80, 90	\$85, 95, 105	\$100/115	\$175-550
L.A. Hilton	\$69	\$84	—	P + 1 \$175, 225, 275 P + 2 \$225, 300, 325

Registration Rates		
	Before Sept 30	After Sept 30
Member	\$165.00	\$195.00
Non-Member	\$195.00	\$225.00
Spouses	\$65.00	\$75.00
Student Non-Member	\$10.00	\$15.00
Life Fellow, Life Member, Student Member	FREE	FREE
Honors and Awards Luncheon	\$21.00	\$31.00
Fellows Luncheon*	\$22.00	\$32.00
Banquet	\$40.00	\$50.00

No refunds after October 28, 1983.
* Fellows and Life Members only. Members of the BKSTS, FKTG, SPSE, SPIE, and AES may register at the member rate.

meeting is scheduled for the Biltmore Hotel. Committee members will be notified in advance of the time and place of their meetings, and a complete schedule will be available in the registration area of the Los Angeles Convention Center and at the SMPTE Convention Center office.

Accommodations

The Society has allotted 850 rooms at the Biltmore Hotel and 600 rooms at the Los Angeles Hilton Hotel. The cut-off date for hotel room reservations is the same as that for advance registration — September 30, 1983. Reservations received after that date will be subject to availability, and the special rates will not be in effect. Rooms and rates available for SMPTE registrants are shown above. Prices do not include the City of Los Angeles occupancy tax, currently 7.5%. If rooms are not available at the price requested, the next available rate will be used.

Registration

For those arriving at the Biltmore on Saturday, October 29, advance registration forms can be picked up at the ACVL Registration table starting at 8:00 a.m., October 29, outside the Crystal Ballroom of the hotel. Beginning at 10:00 a.m. on Sunday, October 30, advance registration forms may be picked up at the SMPTE registration area in the Los Angeles Convention Center. Regular registration will begin on Sunday, October 30, at noon and run until 6:00 p.m. From Monday

through Friday, registration begins at 8:00 a.m.

Reduced Rate Advance Registration

Advance registration is available at reduced rates. To avoid waiting in line to register, and to save money, register in advance by mail. An advance registration form has been sent to all members. It should be returned with payment to SMPTE Registration, 862 Scarsdale Avenue, Scarsdale, NY 10583. Payment for advance registration must be received by September 30, 1983.

Transportation

Shuttle bus transportation will be provided for SMPTE registrants from the Biltmore and the Los Angeles Hilton to the Los Angeles Convention Center on a regular basis from Sunday, October 30, at 9:00 a.m. through 6:00 p.m. on Friday, November 4. A more detailed schedule will be published in the final Conference Program. The shuttle bus service is provided with the cooperation of the Biltmore and the Los Angeles Hilton, which are contributing \$2.00 per room per night for rooms occupied by SMPTE registrants.

Association of Cinema and Video Laboratories, Inc.

The Association of Cinema and Video Laboratories, Inc. (ACVL) will meet at the Biltmore Hotel on Friday and Saturday, October 28-29, 1983. On Friday, a Board of Directors meeting will be held, followed by a

reception-dinner for Laboratory and Associate member principals.

On Saturday, the all-day meeting will begin at 8:30 a.m. The Laboratory Equipment and Techniques Forum, with the theme "Interface of Film and Video: A Look at Tomorrow" will begin at 9:30 a.m., with a break at noon for lunch, and will conclude at 5:00 p.m. Some of the papers to be presented will be on topics such as "Film-to-Video-to-Film Demonstra-

tion," "Videodisk Up-Date," "New Techniques and Methods of Time Coding as Related to the Film Industry," "New Techniques and Procedures for Laboratory Handling of Newly Introduced Motion-Picture Film Stocks," "The Use of Low Contrast Print Film for Telecine Transfer," "New Various Speed Video Tape-to-Film and Film-to-Tape Transfer Systems," and "Audio Trends for 1984."

The registration desk will open at 8:00 p.m. Saturday for ACVL members and non-members who did not register in advance. The registration fee at the meeting for ACVL members is \$30.00, and for non-members, \$40.00. SMPTE members are invited to register and attend, and those who have pre-registered for the conference can pick up their materials on Saturday, October 29, next to the ACVL registration desk.



125th SMPTE Conference
Los Angeles Convention Center
Oct. 30th-Nov. 4th, 1983

Conference Registration Form

This form will be accepted only if all information below is provided.

Please print or type all information

Name											
Title											
Company											
Street											
City	State	Zip									
Spouse's name if registering											
Hotel											

Check primary field of employment

- A Motion Pictures B Television C Other (specify) _____
- Check the one job title or responsibility closest to yours.**
- | | |
|------------------------------|--------------------------|
| A Owner Corporate Mgmt. | G Purchasing Procurement |
| B Engineering Management | H Educator Student |
| C Engineering Technical | I Research Development |
| D Production Post Production | J Consulting |
| F Sales Marketing | K Other (specify) _____ |

Check the one company description closest to yours.

- | | |
|----------------------------|--------------------------------|
| A TV Station Network | G Equipment Mfg. Distrib. Dir. |
| B Cable CCTV Facility | H Freelance Self-Employed |
| C Production House Studio | I Educational Institution |
| D Post-Production Facility | J Gov't Military |
| F Laboratory | K Other (specify) _____ |

Are you an SMPTE Member? D Yes F No

- Advance registrations must be accompanied by check. Make check payable to SMPTE. Do not separate form.
- To obtain the reduced advance registration rate, advance registration must be received by SMPTE by Sept. 30.
- Mail check with complete form to, SMPTE Registration, 862 Scarsdale Ave., Scarsdale, NY 10583

Check registration and specify tickets desired

Quantity		Before Sept. 30	After Sept. 30	
1	Member	\$165.00	\$195.00	6
2	Nonmember	195.00	225.00	7
3	Spouses	65.00	75.00	8
4	Student Member, Life Member, Life Fellow	Free	Free	9
5	Student Nonmember	10.00	15.00	10
G	Honors and Awards Luncheon	21.00	31.00	
H	Banquet	40.00	50.00	

TOTAL AMOUNT ENCLOSED _____

Payable in U.S. Funds. No refunds after Oct. 28.
 Members of BKSTS, FKTG, SPSE, SPIE an AES may register at the member rate.

Hotel Reservations Form

125th SMPTE Conference
Los Angeles Convention Center
Oct. 30th-Nov. 4th, 1983

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Telephone No. _____

Arrival Date _____ Time _____

Departure Date _____

Check out time is 1:00 p.m.

- Hotel rooms will be reserved for Conference registrants only.
- Hotel reservations must be made through the SMPTE on this form. Reservations must be received by September 30. Reservations received after that date will be subject to availability. The special rates will no longer be in effect.
- Reservations will be held until 6:00 p.m. unless guaranteed or covered by a deposit.

FOR OFFICE USE ONLY

- Mail this form to:
SMPTE
Housing Bureau
P.O. Box 71608
Los Angeles, CA. 90071
- Do not separate form. It should be mailed to the above address.

The Biltmore Hotel

Singles	Doubles/Twins	Club Sgls/Dbls	Suites
\$70, 80, 90	\$85, 95, 105	\$100/\$115	P175-\$550

The Los Angeles Hilton

Singles	Doubles/Twins	Suites
\$69	\$84	P + 1 \$175, \$225, \$275 P + 2 \$225, \$300, \$325

Additional person \$25.00
 Guests are requested to establish credit on arrival or pay in advance.

If a room at the rate requested is unavailable, one at the nearest rate will be reserved. Reservations must be received by Sept. 30.

The Shuttle bus service is provided with the cooperation of the Biltmore and the Los Angeles Hilton who are contributing \$2.00 per room per night occupied by SMPTE registrants.