

Calendar

SMPTE Activities

AMSTERDAM, THE NETHERLANDS—SMPTE Session at Montreux Symposium '99. *June 14, 1999.*

SYDNEY, AUSTRALIA—SMPTE99, Darling Harbour Convention Centre. Info: Expertise Events, P.O. Box 295 Brookvale NSW 2100. Australia; Tel: +61-2-9935-4445; Fax: +61-2-9935-4229; e-mail: smpte99@expertiseevents.com.au; Register online/information via website: www.expertiseevents.com/smpte99. *July 13-16, 1999.*

MILAN, ITALY—SMPTE 1999, International Conference. *October 14-15, 1999.*

NEW YORK, NY—141st SMPTE Technical Conference and Exhibit. *November 19-22, 1999.*

SAN FRANCISCO, CA—34th SMPTE Advanced Motion Imaging Conference. *February 3-5, 2000.*

For more information on these and other SMPTE activities contact SMPTE Headquarters: 914-761-1100; fax: 914-761-3115.

JUNE

1999 Montreux Television Symposium and Technical Exhibition, Montreux, Switzerland. Info: P.O. Box 1451, Rue du Theatre 5, CH-1820 Montreux, tel: +41 21

963 32 20; fax: +41 21 963 88 51; e-mail: message@symposia.ch; website: www.montreux.ch/symposia. *June 10-15, 1999.*

SEPTEMBER

IBC99, Amsterdam, the Netherlands. Info: Gina Christison, IBC Office, Savoy Place, London WC2R OBL, U.K. tel: +44 (0)171 240 3839; fax: +44 (0)171 240 3724; e-mail: show@ibc.org.uk; website: www.ibc.org.uk/ibc. *September 10-14, 1999.*

NOVEMBER

ASA, 138th Meeting, Columbus, OH. Info: Acoustical Society of America, 500 Sunnyside Blvd., Woodbury, NY 11797, tel: (516) 576-2360. *November 1-5, 1999.*

New Products

Authoring System

Evertz Microsystems has announced the **Evertz ProCAP non-linear closed captioning authoring system**, which features EIA-608 compliant closed captioning; full-featured caption editor based on Microsoft Word 97; full nonlinear playback control and capture for video, stereo audio, and linear time code; flexible caption creation process, with support for transcript authoring; automatic or manual time code placement of captions; WYSIWYG caption formatting; both direct and mouse-entry caption control codes with several levels of show/hide functionality; and encoder control for transfer of finished captions to video. The system consists of a desktop workstation, keyboard, and mouse.

Cables

Belden Wire & Cable Co. has introduced Brilliance **bundled precision digital video snake cables**, which feature multiple channels under a common jack and are designed for SDI video, precision video, and audio applications. The new cables (1855A and 1505A) can be used for 3, 4, and 5-coax RGB systems. Applications include serial digital video, component video (RGB), unbalanced mode audio (AES/EBU digital) computer CAD/CAM, high-end computer graphics and animation, television live-broadcast applications, television field and mobile use, and



Evertz HD 4 x 1 router

any high-end video applications requiring long runs and multiple channels. The digital video coaxes are also pre-timed to ensure a delay difference of less than 5.0 ns/100 ft. between coaxes.

Camera Robotics and Control Systems

Telemetrics, Inc. has expanded its line of camera robotics and control systems with several new introductions. The **CP-RMQ-3A robotic camera control panel** provides a wide selection of programmable remote control functions. The new rack-mounted controller is ideal for broadcast and teleconferencing applications. The **LTS linear trolley system** provides smooth variable-speed camera movement. It is available in custom track lengths and features an all-aluminum housing with an integral cable-management system, a double rail guide system with self-centering alignment,

overhead ceiling mount capability, adjustable end-stops, and a 50-lb maximum trolley load. The **EP-PT Televator elevator pedestal** offers remotely controlled motorized telescoping operation to adjust height control of robotic pan/tilt camera mechanisms. The Televator is also ideal for use as a standalone teleprompter elevation system for studio applications. Telemetrics has also introduced a line of **triax and coax camera control systems**, which incorporate a separate IFB channel and universal mounting provisions for non-docking and hip pack configurations, external microphone selection switches and improved styling.

Encoder/Decoder

Dolby Laboratories has introduced the first Dolby E encoder and decoder. The **DP571 E encoder and DP572 E decoder** were designed to ease the transition from

two-channel to multichannel audio. They enable broadcasters to distribute up to eight channels of high-quality audio as well as Dolby Digital metadata via a single AES/EBU pair, two audio tracks of a digital videotape, digital audio tape or video server. The Dolby E encoder/decoders are designed to accommodate standard broadcast operations, and can tolerate ten of the tandem encode/decode cycles required during the contribution, post-production, and distribution stages of a DTV program without degradation.

Measurement Instruments

Tektronix, Inc. has introduced an integrated tool set. The **TLA 714/720 portable benchtop logic analyzers** replace the TLA 704/711. They offer a combination of acquisition speed, channel width, and memory depth. Up to 408 channels can be merged for working with next-generation microprocessors, and up to 680 channels are available on a single mainframe for multi-bus applications. The new TLA 700s feature an easy-to-use Windows 98 user interface and PC platform with expanded openness.

The **TDS694C DSO oscilloscope** provides 3-GHz single-shot bandwidth on all four channels simultaneously. This allows accurate signal-timing measurements up to 15 picoseconds. The DSO's performance is extended to the DUT with new intelligent connection devices, including a full-bandwidth active probe and a 1.5-GHz differential probe. The TDS694C also offers specific jitter and timing analysis measurements through optional embedded Java implementation.

Signal Generator

SyntheSys Research Inc. has introduced a **new high-definition television (HDTV) test pattern signal generator**. The generator produces multiple source-format signals defined in the SMPTE 292M specification including 1080i/30, 1035i/30, 1080i/25, 720p/60, 1080p/30, 1080p/24, and 1080p/25. The basic test pattern signal generator produces 32 repeating line patterns with up to 16 channels of embedded audio. Advanced features are available, which support full-frame and user-defined patterns, simulated tilt and pan motion, digital error insertion, and serial stream jitter insertion.

Signal Processing Equipment

Sarnoff Corp. has announced a new **encoder stress pattern**—a 32-field sequence that displays still and moving elements on screen simultaneously. Each element is designed to reveal shortcomings

in specific MPEG-2 encoding functions. This helps determine encoder performance limits in such areas as spatial resolution, judder and dropped frames, quantization artifacts, edge smoothness and sharpness, horizontal and vertical motion, and circular motion.

Sarnoff has also introduced a new **transition clip generator (TCG)**. This new software toolkit builds frame-accurate playlists and creates seamless transitions without altering or decoding original bitstreams. TCG runs on standard Irix (Silicon Graphics), Windows NT, and Windows 95/98 computer platforms. It handles any ATSC format, including high definition, and can splice clips encoded in different formats and aspect ratios.

Also from Sarnoff, a new **digital studio command and control system (DS-CC)** software toolkit. DS-CC uses standard control and networking methods, along with DTV techniques. Its Common Object Request Broker Arithmetic (CORBA)-based design supports device control, stream control, system resource management, and content location and retrieval. DS-CC also supports existing analog VTRs, switchers, and mixers.

Test Systems

Hewlett-Packard Co. has introduced the **audio elementary stream analyzer**, a new software application that enables compressed audio testing on HP MPEGscope test systems. The software supports tests of compressed digital audio in both the MPEG-2 and AC-3 formats, used in DVB and ATSC systems, respectively. The analyzer can capture, decode, and analyze transport streams containing audio programming; present the results in an easy-to-read display of the protocol syntax and errors in the audio stream; and play the decoded audio to a speaker or headphones for an auditory check.

Video/AES Router

Evertz Microsystems has announced the **Evertz 4x1 HDTV video/AES audio router**. The X-HD9504-AES is a full bandwidth router that accepts a generic SMPTE 292M video signal and SMPTE 276M audio signal. Key features include automatic input cable equalization, genlock referenced switch, GPI switch control, RS 232/422 control, and front-panel control. Optional remote control panel and redundant power supply are also available.

Belden Wire & Cable Co., P.O. Box 1980, Richmond, IN 47375, tel: (800) BELDEN-4, website: www.belden.com

Dolby Laboratories Inc., 100 Potrero Ave., San Francisco, CA 94103-4813, tel: (415) 558-0200, fax: (415) 863-1373, website: www.dolby.com

Evertz Microsystems Ltd., 3465 Mainway, Burlington, Ontario, Canada, L7M 1A9, tel: (905) 335-3700, fax: (905) 335-3573, e-mail: sales@evertz.com

Hewlett-Packard Company, Test and Measurement Organization, 5301 Stevens Creek Blvd., MS 541AK, Santa Clara, CA 95052, website: www.hp.com

Sarnoff Corp., CN 5300, Princeton, NJ 08543-5300, tel: (609) 734-3178, fax: (609) 734-2040, e-mail: tlento@sarnoff.com

SyntheSys Research Inc., 3475-D Edison Way, Menlo Park, CA 94025, tel: (650) 364-1853, fax: (650) 364-5716, e-mail: info@synthesysresearch.com

Telemetrics Inc., 6 Leighton Place, Mahwah, NJ 07430, tel: (201) 848-9818, fax: (201) 848-9819, website: www.telemetricinc.com

Tektronix, Inc., P.O. Box 500, Beaverton, OR, 97077, tel: (503) 627-5150, website: www.tektronix.com

MOVING?

Please attach the mailing label from the wrapper to this form. Allow 8 weeks for change of address to take effect. Fill in the form below with either your company address or home address. Mail to: Membership Dept., SMPTE, 595 W. Hartsdale Ave., White Plains, NY 10607.

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