



two-way system. Can this be done via satellite and terrestrial as well as cable? Seven presenters will attempt to answer this question.

- *Newsrooms: Papers and Panels*—This panel will give four different views discussing the change of television newsrooms over the last few years and the fact that there does not appear to be one system to suit all.

- *MPEG formats*—This session is dedicated to the use and manipulation of MPEG bit streams, and will be presented by five industry professionals.

- *Film*—The emergence of many different formats for the electronic televi-

sion image, including HDTV, has ensured the consolidation of film as an important component in making and storing television images. Six speakers will explore this concept.

- *Distribution*—In any broadcast system television signals have to be distributed within broadcasting networks and among customer networks. Eleven presenters will discuss the carriage and control of these signals.

- *Production and Post-Production*—Nine speakers will discuss the problems associated with the movement into a total digital era.

- *Training*—In the new environment

of downsizing have we forgotten about training? Four speakers will discuss the consequences that this might bring.

- *Panel: Sydney 2000 Olympics*—A panel of broadcasters will assemble to inform as to what is in store for the Olympics of the Millennium, Sydney 2000.

Exhibition

Filling two halls of the Sydney Exhibition Center, this year's exhibition is the largest ever with the participation of over 80 vendors. The latest technology and techniques in television, radio, and film production will be displayed.

SMPTE Dinner

This year's dinner will be held at the Sydney International Aquatic Center on Wednesday, July 14. All are invited to attend the affair, which promises to create a big splash!

Additional Information may be acquired by contacting Expertise Events on telephone +612 9977 0888 or by e-mail: smpte99@bigpond.com. Delegates can also register online at <http://www.expertiseevents.com.au/smpte99/>.

Montreux Symposium '99 Montreux, Switzerland, June 10-15, 1999

Montreux Symposium '99, which takes place on June 10-15, is just around the corner. The program will look at challenges arising from the creation of digital and HD technology. The six-day event will handle topics closely related to new and emerging technologies and their influence on the world of television, both from the business and creative point of view. Numerous professionals from various countries in Europe and the film capital, Hollywood, will participate in the sessions and workshops and share their practical experiences. In addition to the technical sessions and workshops the program includes a radio forum, titled "Digital Radio, Satellite Services and Multimedia," as well as a debate, "Who Wants HDTV?"

SMPTE Session

This year, SMPTE will play a role in the Symposium by presenting a session titled "SMPTE: Standards Management for Profitable Technology Exploitation," chaired by S. Merrill Weiss, SMPTE Engineering Director for Television, and Juergen Heitmann, SMPTE Governor. The session, which will be held on Monday, June 14, will focus on the rapid proliferation of new technologies and its impact on television and business. It will address the issue of using and developing standards as a way of managing technology for interoperability of equipment and services. Because SMPTE is a forum for international television standards development, the session will provide

a discussion of the importance of SMPTE standards to the business of television.

The papers and authors to be presented at the symposium are as follows:

- *Bottom Line Impact of Worldwide Standards*, S. Merrill Weiss, SMPTE Engineering Director for Television

- *Globalization of Standards for the 21st Century*, Hans Hoffmann, Chairman, SMPTE Technology Committee on Networking and File Transfers

- *Control of Assets throughout Production and Distribution*, Jim Wilkinson, Chairman SMPTE Ad-hoc Group, Unique Material Identification

- *SMPTE Metadata—A Universal Management Tool for Converging Technologies*, Oliver Morgan,

Chairman, SMPTE Technology Committee on Wrappers and Metadata
Abstracting the Television Work Flow: Hiding the Technology, Peter Symes, Chairman, SMPTE Technology Committee on Systems

Technical Sessions

Montreux has long enjoyed an international reputation for its strategically targeted session, which will include the following titles:

Cable and Satellite—Innovative Products, New Solutions; New Money from Satellite; Getting the Bits through the Pipe; World Wide Web Assets on Cable; What is in the Box? Making Money by Providing Services—Case Studies; Operational Issues in the Migration from Analog to Digital; Cable Programming, Issues in the Digital Age; Research Leading to Cable's Future.

Future Technology Forum—Broadcast Technology in the Third Millennium; Retrieving the Past—Archiving the Future—Managing the Archives in the 21st century.

Interactive Multimedia Seminar—Solving the Gatekeeper Problem—Creating Open Competitive Markets, The Effective Organization and Operation of Digital Services; TV Services On-Demand; New Business

Aspects and New Challenges Based on New Network Distribution Technologies; Interactive Broadcasting Services in a Mobile Society.

News/Live Production—News, Crash, and Burn—Skills and Tools for Today's Video Journalists; News: The Flagship—Anatomy of the News Bulletin; Innovation in Live Programming.

Post-Production—The New "Digital Engine" for the Post-Production Facility; Impact of Digital Distribution on Post-Production—Part I: High-Definition Television, Post-Production in Transition: New Business Opportunities; Digital Media Asset Management and Archiving; Impact of Digital Distribution—Part II: Digital Cinema; The Rise of the Digital Studio.

Terrestrial Broadcasting—Global Competition on Digital Terrestrial Broadcasting—Rationale for System Selection; Business Drivers for Digital Terrestrial Broadcast—Show me the money; Digital Satellite, Cable, and Terrestrial—Competition or Cooperation? The Road to Digital Terrestrial Broadcast Migration/Transition.

Management Forum—Digital Television—The Global Opportunity; The Terrestrial Digital Rollout; The

Future of HDTV; The Digital Receiver Dilemma.

Workshops

The workshops will attract those who are curious to know more about the digital evolution and revolution in various domains. They include the following topics:

The Path to a Common API: How to Face a Complex Migration? Objective Quality Monitoring in an Operational Digital Environment; New Developments in MPEG-2 Systems for Studio Application; Internet Delivery Through Broadcast Channels; Can the Consumer Safely Buy Digital TV Equipment in an Open Market? New Developments in DV-based Systems for Studio Application; Adapting the EPG to the Market Needs for a Successful Development of Digital TV Services and Interactive TV Services; Digital TV Technology, a Way to Reduce or to Increase Costs? The Clean Signal Path: What Could be Learned from the World Cup? DAB and DVB-T: Complements or Substitutes for the Mobile Market? Implications of Widescreen Operations in a Digital Multicast Environment; and Applying Digital Acquisition to Motion Picture Origination—some case studies.

IBC99

Amsterdam, the Netherlands, September 10-14, 1999

IBC99 will be held on September 10-14, 1999 in Amsterdam, the Netherlands. This year's conference, like others, will feature an array of top quality technical papers. Topics to be addressed will include metadata, compression, interfacing, and networking for multimedia systems, digital audio delivery, and DTV. Panel discussions will focus on the changing industry as far migration to digital, the globalization of distribution and content, and the emergence of the Internet and other new media. IBC99 will also introduce a new stream of mini-conferences and a pre-show one-day tutorial. Here are some of the highlights:

Papers

The paper sessions give a comprehen-

sive review of all the latest developments in the broadcasting arena.

Digital TV: The Business Opportunities—What are the rules and what are the rewards? This session explores some of the issues related to the technical challenges of Digital TV.

Interconnecting Multimedia Systems—Transporting the bits. This session provides an overview of activities in networking and interconnect that affect content handling.

Multimedia Home Platforms—Puzzling over the pieces of the MHP jigsaw. This session highlights progress in ideas for the digital in-home environment, which may support more than just entertainment.

Interactive Services—Don't just sit there, do something! This session explores the means and the uses to which interactivity could be put.

Delivery over the Air—Latest RF developments. This session describes many aspects of advanced digital modulation techniques, their applications, and how these technologies combine to make a complete delivery mechanism.

Post-production—Polishing and packaging the product. The latest developments in digital technology are discussed in this session and new ways of content handling and processing are described.

DTV Coverage, Myths and Facts—Are you being served? This session