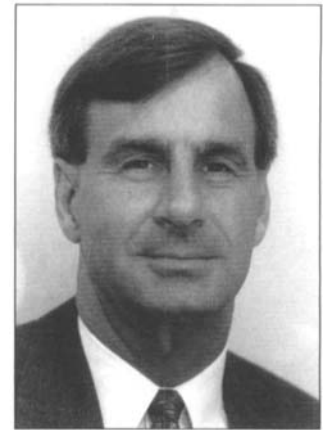


## MESSAGE FROM THE EXECUTIVE DIRECTOR

With NAB99 approaching quickly, it's time for another standing-room-only SMPTE seminar. After last year's rousing success, you can count on this year's to be even more informative. Seminar co-chairs Richard Hess, National TeleConsultants, and Graham Jones, Harris Corp., have put together an all-day seminar packed with engaging topics and knowledgeable speakers. If you're planning to attend NAB99, this is one seminar you won't want to miss.

Also, SMPTE will again be an exhibitor at NAB; if you're looking for a place to gather, tell your friends and colleagues to meet you at booth L17013.



## SMPTE All-Day Seminar

### Automation and Control: Just a Few More Lines of Code?

#### Moderators

Graham Jones - Harris Corporation  
Richard Hess - National TeleConsultants

#### Synopsis

The age of digital television is here, and with it new technologies, systems and equipment. Digital inbound and outbound program streams, encoders and multiplexers, multi-channel audio, metadata, datacasting, and multicasting; in addition to video servers, VTRs, switchers, traffic, and newsroom systems, these are all elements of this new age. The ability to manage and control these elements is critical to the operation of network distribution and station broadcasting.

This seminar will bring together the issues and developments relating to control and automation of a modern DTV station. The seminar will cover the immediate requirements with proposed solutions to known problems, it will also look at industry developments and longer term planning for alternative architectures and solutions, and will address the important issue of industry standards.

#### Agenda

##### 9:00 a.m.

##### Introduction

Graham Jones - Harris Corporation, Alexandria, VA  
Richard Hess - National TeleConsultants, Glendale, CA  
William Miller - SMPTE Engineering Vice-President

##### 9:15 a.m.

##### Where are we Heading, What are the Issues?

S. Merrill Weiss - Merrill Weiss Group, South Plainfield, NJ

##### 9:30 a.m.

##### What does a Broadcast Station REALLY Need?

Steve Smith - Cosmos Broadcasting Corporation, Greenville, SC

##### 9:50 a.m.

##### Asset Management

TBA - Teams-Thomson, Rockville, MD

##### 10:05 a.m.

##### Listing Services, Traffic

Mike Cushing - Tribune Media Services, Glen Falls, NY  
Bob Lennon - Enterprise Systems Group, Colorado Springs, CO

##### 10:30 a.m.

##### Break

##### 10:45 a.m.

##### Automation Systems - An Integrated Solution?

Robin Adams - Drake Automation, Morristown, NJ  
Andrew Russell - Louth Automation, Palo Alto, CA  
Speaker TBA - Odetics Broadcast, Anaheim, CA  
Speaker TBA - Pro-Bel/Chyron, NY

##### 12:15 p.m.

##### Lunch Break

##### 1:00 p.m.

##### How Many Lines of Code?

Ian Kerr - Kerr Vayne Systems, Markham, Canada

##### 1:20 p.m.

##### Developments in System Architectures

Christopher Ward - Sarnoff Corporation - Princeton, NJ  
Ken Guzik - LearnCom Inc., Palo Alto, CA

**1:50 p.m.**

**Control of Servers, Networks and Distribution**

Al Kovalick - Hewlett Packard, San Jose, CA  
Speaker TBA - Leitch Inc., Chesapeake, VA  
Speaker TBA - Tektronix, Beaverton, OR

**2:50 p.m.**

**Control of Audio Encoders, Metadata**

Steve Lyman and Craig Todd - Dolby Laboratories, San Francisco, CA

**3:05 p.m.**

**Break**

**3:20 p.m.**

**Control of Encoders and Multiplexers, PSIPs, Closed Captioning, Datacasting**

Mark Balch - DiviCom, Milpitas, CA  
John Mailhot - Lucent Technologies, Murray Hill, NJ  
Speaker TBA - NDS, Newport Beach, CA

**4:20 p.m.**

**Update on Industry Standards**

Peter Symes - Tektronix, Grass Valley, CA  
Bernard Lechner - Consultant, Princeton, NJ

**4:45 p.m.**

**Panel Discussion**

The speakers will discuss issues raised during the seminar, and answer questions from the audience.

**5:30 p.m.**

**Close**

**Topics and Issues to be covered by the speakers will include some or all of the following:**

AC-3 encoder control  
Archiving  
Automated monitoring  
Bitstream switching/splicing  
Closed Captioning

Datacasting  
Data timing and synchronization  
Distributed control systems  
Emergency announcements  
Electronic program guide  
Graphics, character generators  
Integrated control systems  
Interfaces  
Latency, delay switching  
Library management  
Listing service  
Machine and switcher control  
Metadata  
Multichannel operations  
Network distribution to affiliates  
Newsroom systems  
Non-program-related data  
Object modeling  
On-air playout  
Open systems  
Opportunistic data  
Program-related data  
Protocols  
PSIPs  
Remultiplexing  
Resource allocation  
Servers  
Standards  
Statistical multiplexing  
Traffic  
Video encoder/multiplex management  
Video networks

The SMPTE Seminar at NAB takes place April 17 and SMPTE members are eligible for a conference registration discount. For more information, call NAB at 1-800-342-2460 or register online at [www.nab.org/conventions/](http://www.nab.org/conventions/).