

SMPTÉ's Newest Book

A Television Continuum – 1967–2017

SMPTÉ's new book, **A Television Continuum – 1967–2017**, contains a collection of technical articles that marks both SMPTÉ's 75th Anniversary and its 25th Annual Television Conference. As the title suggests, the idea was to return to the time when the first TV conference was held to see what were then the established technologies, then trace the progress of those and still newer technologies through the present and into the future. The papers, all presented at this milestone television conference that was held in Detroit on February 1–2, 1991, are by established experts in their fields. The book is intended to serve as a window from which to see the rapid evolution of modern television technologies, particularly for those in broadcast engineering and engineering management.

Contents

Foreword, Frank J. Haney

Preface, Rudolph J. Kryger

Opening Address, Frank J. Haney

The Changing Role of the Television Engineer, Irving S. Rosner

The Past Quarter Century and the Next Decade of Video Tape Recording, Hiroshi Sugaya

Fiberoptic Circuit Transportation of Video Signals: A Solution Without an Urgently Perceived Need, C. Robert Paulson

Multi-Channel Applications of Cart Machines, Ray Baldock, Tim Crabtree, and David Lewis

Progress Report from SMPTÉ Ad Hoc Group for ES-Net, Marc S. Walker

Techniques for High-Accuracy Measurements in HDTV Systems, Ed Wardzala

Fast Audio Measurements for Television Network and Satellite Service Using Digital Techniques, Richard C. Cabot

New Technology in Still Stores – What Are the Implications? Bob Pank

A Study of the Most Suitable Level and Width of DTL Signals for CCD Camera, Hiroshi Kouchi and Tohru Mochizuki

Development of the Super-HARP Camera, a Rival to the Human Eye, for the Next Generation of Broadcasting, Junichi Yamazaki, Kenkichi Tanioka, and Keiichi Shidara

A 1/2-In. High-Definition VCR with a Single-Channel Analog Baseband Recording Method, Takashi Furuhata, Hiroaki Takahashi, Kichizaemon Okazaki, and Michiyori Miura

Plotting a Course to an All-Digital Television Facility, P.G. Whittingham and J. Howells

Proposal for Error Detection and Handling in Studio Equipment, Bob Elkind and David Fibush

Video Compression and Noise Reduction Using Transform/Subband Coding and Adaptive Amplitude Modulation, David M. Baylon and Jae S. Lim

Clock Rate Conversion for Digital Video, J. Hamalainen

The All-Digital Television Plant, Frank Davenport

The Opportunities of Signal Monitoring in a Large Serial Digital Plant, Robin Wilson

Experimental Digital VCR with New DCT-Based Bit-Rate Reduction and Channel Coding, Naoki Endoh, Shigeo Kizu, Toshinori Odaka, Keisuke Ogi, Kenji Shimoda, and Masaaki Tamura

Format Choices for the Future, Ken Shaw

Open Architecture Television, V. Michael Bove, Jr., and Andrew B. Lippman

Plasma-Addressed Liquid Crystal (PALC), a New Flat-Panel Technology for Full-Color Video, Thomas S. Buzak

To order **A Television Continuum – 1967–2017**, use the form below and send a check, money order, or credit card number (Visa, MasterCard, or American Express) to SMPTÉ Books, 595 W. Hartsdale Ave., White Plains, NY 10607. To place a credit card order by phone, call (914) 761-1100. Ask operator for book order department.

SMPTÉ Books
595 W. Hartsdale Ave.
White Plains, NY 10607



Please send me _____ copies of **A Television Continuum – 1967–2017**, at the price of \$35.00 each (\$28.00 for SMPTÉ members) plus postage and handling.*

Enclosed is my check for \$ _____

Charge to my (check one) Visa MasterCard American Express

Card No. _____ Expiration Date _____

Name _____

Address _____ Telephone _____

City _____ State _____ Zip _____

*Postage and handling: USA, \$3.00 per book; Canada and Mexico, \$5.00 per book; outside USA, Canada, and Mexico, \$11.00 per book.