



NATIONAL ACADEMY OF TELEVISION ARTS AND SCIENCES
Outstanding Achievement in Technical/Engineering Development Awards

- 1948 CHARLES MESAK
Don Lee Television for "Phasefader" in recognition of an outstanding advancement in the video field.
- 1949 HAROLD W. JURY of KTSL, LOS ANGELES
For the synchronizing coordinator which allows superimposition from more than one location.
- 1950 ORTHOGRAM TV AMPLIFIER BY KNBH-NBC
- 1951-1953 NO AWARD
- 1954 NBC, Color TV Policy and Burbank Color - JOHN WEST
- 1955 RCA TRICOLOR PICTURE TUBE which made the commercial color receiver Practical.
- 1956 DEVELOPMENT OF VIDEO TAPE BY AMPEX and FURTHER DEVELOPMENT AND PRACTICAL APPLICATIONS BY CBS - dual entry
- 1957 ENGINEERING AND CAMERA TECHNIQUES ON WIDE WIDE WORLD (NBC)
- 1958-1959 Industry-wide improvement of editing of Video Tape as exemplified by ABC - CBS - NBC
- 1959-1960 THE NEW GENERAL ELECTRIC SUPERSENSITIVE CAMERA TUBE permitting coheir-casting in no more light than is needed for black & white.
- 1960-1961 RADIO CORPORATION OF AMERICA and MARCONI'S WIRELESS TELEGRAPH COMPANY,LTD. — ENGLISH ELECTRIC VALVE COMPANY, LTD.
for the independent development of the 4 1/2 inch image orthicon tube and camera.
- 1961-1962 ABC VIDEO TAPE EXPANDER, or VTX
Slow motion tape developed by ABC--Mr. Albert Malang, chief engineer, Video Facilities. ABC
- 1962-1963 NO AWARD
- 1963-1963 NO AWARD
- 1964-1965 NO AWARD
- 1965-1966 STOP ACTION PLAYBACK - MVR Corporation and CBS
- EARLY BIRD SATELLITE
Hughes Aircraft Company and Communications Satellite Corporation

- 1966-1967 PLUMBICON TUBE - N.V. Philips Gloeilampenfabrieken
HIGH BAND VIDEOTAPE RECORDER - Ampex Corporation
- 1967-1968 BRITISH BROADCASTING CORPORATION
For the "Electronic Field-Store Colour Television Standards Converter".
By converting television pictures instantaneously from the 525-line/60-field NTSC system used in America and other countries to the 625-line/50 field PAL or SECAM systems used in Europe and in other parts of the world, the "Colour Television Standards Converter" facilitates immediate and world-wide color television broadcast of events and entertainment of major importance via satellite.
- 1968-1969 EASTMAN KODAK COMPANY
For the ME-4 Process, making it possible to develop color film with greater speed and sharper images than ever before, materially facilitating the presentation of news and other programs.
- 1969-1970 APOLLO COLOR TELEVISION FROM SPACE
For the conceptual aspects, an Emmy Award **was** presented to the Video Communications Division of NASA, and
For the development of the camera, an Emmy Award was presented to the Westinghouse Electric Corporation.
- 1970-1971 THE COLUMBIA BROADCASTING SYSTEM
For the development of the Color Corrector which can provide color uniformity between television picture segments and scenes shot and recorded under different conditions at different times and locations.
- THE AMERICAN BROADCASTING COMPANY
For the development of an "Open-Loop" Synchronizing System which enables the simultaneous synchronization of any number of color programs from remote locations.
- 1971-1972 LEE HARRISON, III
For the development of Scanimate, a unique electronic means of generating picture animation.
- 1972-1973 SONY
For the development of the TRINITRON, a picture tube providing good picture quality in color television receivers.
- CMX SYSTEMS, a CBS/Memorex company
For the development of a video tape editing system, utilizing a computer to aid the decision-making process, store the editing decisions and implement them in the final assembly of takes.
- 1973-1974 CONSOLIDATED VIDEO SYSTEMS, INC.
For the application of digital video technique to the Time Base Corrector, permitting use of smaller, lighter weight, more portable video tape equipment on news and other outside events in television broadcasting.
- RCA
For its leading role in the development of the quadruplex video tape cartridge equipment, providing improved production reliability and efficiency in broadcasting video taped program segments, promos and commercials.

- THE TELECOPTER**
To John D. Silva for the conception and expertise, and To Golden West Broadcasters for its realization.
- 1974-1975 **COLUMBIA BROADCASTING SYSTEM**
For spearheading the development and realization of the Electronic News Gathering System.
- NIPPON ELECTRIC COMPANY**
For development of digital television Frame Synchronizers.
- 1975-1976 **SONY CORPORATION**
For the U-matic video cassette concept.
- EASTMAN KODAK**
For the development of Eastman Ektachrome Video News Film.
- 1976-1977 **GENERAL ELECTRIC COMPANY**
For the first application of the Vertical Interval Reference (VIR) signal system to the television receivers.
- 1977-1978 **CBS, INC.**
For the development of the Digital Noise Reducer.
- PBS ENGINEERING**
For the technical development of the Public Television Satellite.
- THOMSON-CSF LABORATORIES**
For the development of the Digital Noise Reducer.
- 1978-1979 **THE AMPEX CORPORATION**
For the development of the compatible one inch type C Format which made possible improved videotape recording, editing and playback.
- SONY VIDEO PRODUCTS COMPANY**
For the development of the compatible one inch type C Format which made possible improved videotape recording, editing and playback.
- 1979-1980 **THE PANASONIC COMPANY**
For the introduction of Digital Techniques for the production of video special effects.
- NIPPON ELECTRIC COMPANY**
For the development and implementation of Digital Techniques for the production of video special effects.
- QUANTEL LIMITED**
For the development and implementation of Digital Techniques for the production of video special effects.
- VITAL INDUSTRIES**
For the development and implementation of Digital Techniques for the production of video special effects.

- 1980-1981 **IKEGAMI ELECTRONICS**
For the development of digital computer techniques for the automatic alignment of color television studio cameras.
- RCA**
For the development of digital computer techniques for the automatic alignment of color television studio cameras.
- CBS, INC.**
For the original concept, assisting in the development and on air use of the first digital electronic still store system which made the magnetic storage and electronic broadcasting of film slides and graphics easier to manage and more reliable with consistent high quality.
- AMPEX CORPORATION**
For the engineering development of the first digital electronic still store system which made the magnetic storage and electronic broad-casting of film slides and graphics easier to manage and more reliable with consistent high quality.
- 1981-1982 **EASTMAN KODAK COMPANY**
For the research and development of a new film technology which led to the introduction of the new high speed color negative film.
- FUJI FILM COMPANY**
For the research and development of a new film technology which led to the introduction of the new high speed color negative film.
- 1982-1983 **THE AMPEX CORPORATION**
For the engineering development of the first transparent quality real-time digital effects system with off axis-rotation, true third dimension perspective and ultra smooth motion which made multiple pass operation possible without signal deterioration.
- THE EUROPEAN BROADCASTING UNION**
For achieving a European agreement on a component digital-video studio specification based on demonstrated quality studies and for their willingness to subsequently compromise on a world wide standard.
- THE INTERNATIONAL RADIO CONSULTATIVE COMMITTEE OF THE I.T.U. (CCIR)**
For providing the international forum to achieve a compromise of national committee positions on a digital video studio standard and to achieve agreement within the 1978-82 period.
- RCA CCSD VIDEO SYSTEMS**
For its pioneering efforts in the development of an 'electronic hand-held recording camera and the development of a system for news gathering on videotape using a single integrated unit containing camera, recorder and battery.
- SMPTE**
For their early recognition of the need for a digital-video studio standard, their acceptance of the EBU proposed component requirement and for the development of the hierarchy and line lock 13.5 MHz demonstrated specifications which provided the basis for a world standard.

3M CORPORATION

For pioneering the development of the first industry accepted videotape.

XEROX CORPORATION

For its pioneering support of research leading to the development of the first electronic graphic creative system.

MEL SATER

For his important contribution to the development of the first industry-accepted videotape.

RICHARD SHOUP

For his concept and development of the first electronic graphic creative system which has led to the importance of videographics in television today.

1983-1984

THE AMPEX CORPORATION

For the development of an extremely light-weight and compact, portable 1-inch Type-C VTR which, with its quality imagery and sound, provides producers with a highly-mobile recording facility.

KUDELSKI, SA/Nagra

For the development of an extremely light-weight and compact, portable 1-inch Type VTR which, with its quality imagery and sound, provides producers with a highly-mobile recording facility.

LEXICON, INCORPORATED

For the development of the Lexicon Model 1200 Audio Time Compressor and Expander.

SONY CORPORATION

For materially improving the quality and efficiency animation production by the development of single-frame recording techniques on stationary video tape and the incorporation of the technology in the 1-inch Type-C equipment.

RCA CORPORATION

For pioneering work in the development of circular polarization technology in television broadcasting.

TEKTRONIX CORPORATION

For continued technical excellence and leadership in television tests, measurement, and monitoring technology.

1984-1985

RCA CORPORATION

For Pioneering Efforts Leading to The Development of Broadcast Television Cameras With Solid State Image Pickup Devices.

SONY CORPORATION

For the technology leading to significant improvement in slow motion picture quality.

- AMERICAN BROADCASTING COMPANY
For the Concepts for a television system leading to significant improvement in slow motion picture quality.
- 1985-1986 ELECTRONICS INDUSTRIES ASSOCIATION
For the Administration of the Development, Testing and Documentation of a single voluntary technical standard for a multi-channel television sound system.
- NATIONAL BROADCASTING COMPANY
For their work in developing and implementing multi-channel stereo sound for broadcast television.
- RCA CORPORATION
For their work in developing and implementing multi-channel stereo sound for broadcast television.
- ZENITH ELECTRONICS CORPORATION
For their research, development and implementation of the multi-channel stereo sound system used in the voluntary broadcast television standard.
- dbx. Inc.
For their research, development and implementation of the multi-channel stereo sound system used in the voluntary broadcast television standard.
- SONY CORPORATION
For their design and manufacture of a consumer video tape recorder making it possible for the consumer to time shift recording and viewing.
- JVC CORPORATION
For the development of a consumer video tape recorder making it possible for the consumer to time shift recording and viewing.
- PANASONIC CORPORATION
For the manufacturing and marketing of a consumer video tape recorder making it possible for the consumer to time shift recording and viewing.
- AMPEX CORPORATION
For the development of a microprocessor based intelligent production video tape recorder VPR-3.
- AMPEX CORPORATION
For their developments in advanced digital picture processor/time base corrector techniques used in the Zeus.
- ABEKAS VIDEO SYSTEMS
For their outstanding achievement in engineering development of the Abekas A62 Digi11 Video Disk Recorder.

SONY CORPORATION

In recognition of their efforts in the development of component Betacam format video recording system for the broadcast industry.

RCA CORPORATION

For the pioneering effort in the development of component video recording technology for broadcast television.

QUANTEL CORPORATION

For outstanding achievement in painting and graphics generation for the Quantel paint-box systems.

M/A COM, INC.

For their contributions to satellite TV encryption and scrambling technology.

QUANTEL CORPORATION

For their outstanding achievement in digital video mixing, processing and compositing technology for the Quantel Harv.

1986-1987

DUBBNER COMPUTER SYSTEMS, INC.

In recognition of their engineering contributions in the development of the technology for the conversion on video tape of original Black and White images into color.

COLOR SYSTEMS TECHNOLOGY, INC.

In recognition of their engineering contributions in the development of the technology for the conversion on video tape of original Black and White images into color.

COLORIZATION, INC.

In recognition of their engineering contributions to the development of the technology for the conversion on video tape of original Black and White images into color.

NATIONAL AERONAUTIC AND SPACE ADMINISTRATION

(NASA) For their pioneering efforts in basic research of the application of Ku-band Satellites for terrestrial communication.

**COMMUNICATION RESEARCH CENTRE OF THE
DEPARTMENT OF COMMUNICATIONS OF CANADA**

For their pioneering efforts in basic research of the application of KU Band Satellites for terrestrial communications.

EUROPEAN BROADCAST UNION (EBU)

For their early recognition of the need for a component digital video tape recording standard, development of a recording system based on the world wide standard for digital component sampling and cooperation with the SMPTE to provide the basis for a world standard for digital component video tape recording.

PUBLIC BROADCASTING SERVICE (PBS)

For their outstanding leadership and contributions in helping to develop more efficient UHF transmitter technology.

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS (SMPTE)

For their early recognition of the need for a component digital video tape recording standard, development of a recording system based on the world wide standard for digital component sampling and cooperation with the EBU to provide the basis for a world standard for digital component video tape recording.

1987-1988

QUANTEL INC

In recognition of their engineering contribution to the advancement of standards conversion technology.

AVS Ltd

In recognition of their engineering contribution to the advancement of standards conversion technology.

DR. THOMAS C. STOCKHAM

For his pioneering efforts in the development of tapeless audio recording and editing technology.

EASTMAN KODAK COMPANY

In recognition for their development of the new Eastman Color High Speed Daylight Negative Films 5297 and 7297.

QUANTEL INC.

Awarded to QUANTEL INC. for their Engineering Contribution in Real Time 3D Digital Video Effects leading to development of MIRAGE.

BTS BROADCAST TELEVISION SYSTEMS, INC.

To BTS in recognition of their engineering contribution in 3D computer graphic technology and for development of the FGS 4000 computer animation system.

BARCO INDUSTRIES NV

In recognition of their engineering contributions and development of the first all digital controlled intelligence professional broadcast monitor.

TEKTRONIX INC.

In recognition of their engineering contribution and development of systems using digital intelligence to measure, monitor and record distortions in a television signal.

SCHWEM TECHNOLOGY

In recognition for the development of lens stabilization technology for live cameras.

1988-1989

RAY M. DOLBY

For audio noise reduction systems in professional television tape recorders.

AMPEX

In recognition of their development and implementation of composite digital video tape recording.

SONY CORPORATION

In recognition of their development and implementation of composite digital video tape recording.

MAGNI SYSTEMS, INC.

In recognition of their engineering innovation in the development of a fully programmable television test signal synthesizer.

RTS SYSTEMS, INC.

In recognition of their engineering contribution and development of professional two-wire intercommunications systems for use in television production and broadcast operations.

TRW LSI PRODUCTS INC.

For analog/digital video conversion technology.

CBS, INC.

In recognition of their leadership in the development and realization of an intelligent master control system for television stations and networks.

1989-1990

TV Technology for the Visually Impaired

Public Television, Dr. Margaret Pfanstiehl, Narrative Television Network and George Frazier (Joint Award)

Storage and Recall Technology in Large Production Switchers

The Grass Valley Group

Real Time Component Digital Noise and Film Reducers

Accom

Technical Developments in Silver Halide Crystal Growth and Dispersion in Motion Picture Negative Films

Eastman Kodak

Still Picture Transmission Technology for News

Glen Southworth, Sony and Eastman Kodak (Joint Award)

Video Work Station Technology

DFX and Pinnacle Systems (Joint Award)

Automated/Robotic Record Playback Video Technology for Large Libraries Odetics, Panasonic, Ampex and Sony (Joint Award)

Developments in Metal Particle Tape

Technology Fuji and Sony (Joint Award)

1990-1991

Development of Test Signals and Measuring Equipment for Performance Evaluation of Component Video Systems

Magni and Tektronix (Joint Award)

Multi-Layer Real Time Component Video Compositing Technology
Grass Valley Group and Abekas (Joint Award)

Pioneering Work and Implementation of Data Compression Techniques for Real Time Television Transmission
NEC and Telettra (Joint Award)

Techniques for Minimization of NTSC Artifacts Through Advanced Encoding Techniques
Faroudjia Laboratories

Masahiko Morizono for Technical Vision and Leadership in the TV Industry
Masahiko Morizono

Computerized Robotic Camera Systems
TSM, Ramadec, Epo and Vinten (Joint Award)

Digital Encoding from 525/625 Analogue and Digital Component to Analogue and Digital Composite
Accom

For the Development of Digital Audio Technology Leading to the Compact Disk
Sony and Philips (Joint Award)

1991-1992 Technology for Electronic Character Generation for Television AB Dick, CBS Laboratories and Chyron (Joint Award)

Motion Vector Compensated Standards Conversion
Vistek-Digital Vision and Thomson-CSF (Joint Award)

Digital Video Processing in Color TV Cameras
Panasonic (MEI)

Digital Audio Work Station Technology for Television Broadcasting
AMS and New England Digital (Joint Award)

TRIAx CABLE CAMERA TECHNOLOGY
CBS Laboratories and Phillips (Joint Award)

½ Inch Composite Digital Video Tape Recording Technology
MEI (Panasonic) and NHK (Joint Award)

Broadband Multi-channel Cable Television Technology
Hubert Schflafly

1992-1993 Miniature Lightweight Rapid Deployment Earth Terminals for Satellite News Gathering
Advent Communications Ltd. and Comsat (Joint Award)

Enabling Technology for Non-Linear Editing Systems Using Digital Images and Sounds

Montage Group, Ltd., Avid and EMC (Joint Award)

In Plant Digital Serial Interconnection Technology for Television
Sony, Tektronix, Thomson CSF and Society of Motion Picture and
Television Engineers (Joint Award)

Zoom Lens Technology for Broadcast Television Cameras
Dr. Frank G. Back

Pioneering Developments in Digital Video Production Switcher
Technology
MEI (Panasonic)

Prism Technology for Color Television Cameras
Philips

1993-1994 Pioneering Development in Micro-lens Technology for CCDs used in
ENG Cameras
MEI (Panasonic) and Sony (Joint Award)

Technology for the Removal of Temporal Artifacts Caused by Film
Originated (3/2 Pulldown) 525 Material to 625
AVS, Laser Pacific Media Corp. and Snell & Wilcox Ltd. (Joint Award)

Development of Machine Readable Key Type Numbers on Motion Picture
Film
Eastman Kodak Company

Technology for Transmission of Contribution Quality Video and Audio
Signals Over Fiber Optic Cable
Time Warner Cable

Controlled Edge Enhancement Utilizing Skin Hue Keying
BTS and Ikegami (Joint Award)

Pioneering Development of Address Compression Technology
Pinnacle Systems

Special Award for Long and Distinguished Service to the Television
Broadcast Industry
Julie Barnathan, Joe Flaherty and Michael Sherlock

1994-1995 Pioneering Development in SCH Phasing Monitor Technology
Leitch

Pioneering Development in Half-Inch Component Digital Video
Recording Technology
Matsushita and Sony (Joint Award)

Pioneering Development of Direct to Home Digital Satellite Broadcasting
PRIMESTAR and DIRECTV (Joint Award)

Standardization of Serial Digital Audio Transmission System
EBU and AES (Joint Award)

- 1995-1996 Standardization of JPEG, MPEG 1, and MPEG 2
ISO and IEC (Joint Award)
- Implementation in Lens Technology to Achieve Compatibility with CCD Sensors
Canon and Fujinon (Joint Award)
- Pioneering Development of the Broadcast Wireless Microphone
CBS, Nady, Sennheiser and Vega (Joint Award)
- Digital Technology for Noise Reduction and Elimination of Sound impairments in Television Audio
Sonic Solutions
- Development and implementation of Technology for High Security Encryption of Signals for Home Television Reception
General Instrument, News Data (NDS)Corp. and Nagra (Joint Award)
- Pioneering Efforts for Rounding Techniques for Multiple Generation Image Manipulation for Minimal Visibility of Truncation Errors
BBC, Grass Valley and Quantel (Joint Award)
- 1996 – 1997 Pioneering Application of SMPTE 270 Mb/s Technology to Large Scale Television Facilities
CBC and DirecTV
- Pioneering Development of Wireless Remote Control for Consumer Television
Zenith
- Development of Real-Time 3-D Manipulation for Non-Linear Editing
Pinnacle Systems, Quantal and Scitex Digital Video
- Pioneering Development of 3-CRT Video Projectors
UC Precision Lens, Inc., Art R. Tucker and Henry Kloss
- Pioneering Development of Real-Time Hardware for Motion Estimation
General Instrument, LSI Logistic, BBC and Snell & Wilcox
- 1997-1998 Technology to Enable 'Point of Action' Video
Seven Network Ltd Australia
- Pioneering Development of a Multichannel Digital Audio Bit Rate Reduction System, Standardized for the ATSC High Definition and Standard Definition Television Systems, and for Worldwide Digital Versatile Discs
Dolby Laboratories
- Pioneering Development of Film Scratch Removal Systems for Telecines
Filmtreat International and Piclear
- Development of a High Resolution Digital Film Scanner
Eastman Kodak and Philips and Sony

High Definition Intra-Field Compression Adapter Technology for Full Bit Rate 4:2:2, 10 bit, 1/2 inch, Component Digital Recorders
Panasonic and NHK (Japan Broadcasting Company)

Broadcast Quality, 6.35mm, Component Digital ENG/EFP Recording Technology
Panasonic

Development and Implementation of Digital uncompressed Tapeless Recording and Playback Technology for Television Broadcast and Post Production Operations
Quantel and Scitex

1998 – 1999 Generation and Protocol Analysis of MPEG-2 Transport Streams for Equipment Evaluation and Operational Monitoring of Digital Television transmission Systems
Hewlett Packard, Tektronix, Thomcast, Sarnoff

Development of DVD Technology
Philips, Sony, Toshiba, Warner Home Video, Dolby, Matsushita

Development of a Distribution System for Sound with Television known as Sound-in-Sync
BBC

Statistical Multiplexing of DTV Signal
General Instrument Corp.

First Full Time Distribution of TV Network by Satellite Transmission
Home Box Office & CBC

Development of Lens-Line Prompting System
Teleprompter Corp.

1999-2000 Video format up/down image a conversion with color space, film, television and audio compensation
Panasonic and Snell & Wilcox

Development of an audio bit-rate digital two-channel compression system known as Musicam or MPEG Layer II
CCETT, IRT and Philips

Pioneering development of full motion broadcast quality PC video and compression plug-in cards utilized in the manufacture of non-linear editing systems or video servers
Avid, DPS, Matrox, Media 100, Pinnacle and Vela

Implementation of real time virtual imaging for life events on television
Orad, PVI, Sportsvision, Symah and Fox Sports

Preprocessing of baseband video for digital compressed transmission systems to deliver pictures with maximum subject quality and minimum bit rates

DirecTV, Philips, and Snell & Wilcox

Development of advanced battery technology for ENG/EFM

Anton Bauer, Christie, Cine 60 and Frezzolini

Pioneering development of equipment to provide objective measurement of perceptible picture quality in digital television systems

Tektronix, Sarnoff, Rohde & Schwarz, IfN, KDD Media Will

2000-2001 Pioneering developments in shared video-data storage systems for use in television video servers

Leitch/ASC, SeaChange, Thomson/Philips, and Pinnacle

Development of Consumer Camcorders

Sony, JVC, Hitachi, Matsushita, Kodak

Pioneering effort in digital asset management for television news production

KGO-TV, CNN, ITN and Quantel.

Pioneering development of in home disk based personalized digital video recorder (PVR) and accompanying personal television service

TIVO and Replay.

Implementation of a multi-standard precision digital test transmitter for use in receiver chip-set development and set-top-box evaluation and characterization

Rohde & Schwarz

Development of flat screen CRT technology for consumer TV

Sony, Zenith.

Pioneering development of a digital up converter from 525 to HDTV for DTV broadcasting

BBC, Faroudja, Leitch, and YEM.

Development of 24P video

Sony, Laser Pacific, and Kodak.

2001-2002 Television Picture Monitors

CBS Technology Center

Development of a practical variable frame rate video acquisition camera system that enables under and over cranking

Panasonic

Development of plasma displays

Professor Donald L. Bitzer, Professor H. Gene Slottow, and Robert Wilson of the University of Illinois at Urbana-Champaign
Fujitsu General

Development and/or commercialization of the 16:9 aspect ratio

Thomson and Philips

Development of remote-controlled cable-suspended moving camera-platform technology

Garret Brown and CF InFlight Systems

Software for managing graphical assets for broadcast.
Proximity

Development of the consumer digital set top box for satellite and/or cable.
Motorola and Thomson

2002-2003

Pioneering Efforts in the Development of Automated, Server-Based ClosedCaptioning Systems
Turner Networks

Pioneering Development of Digital Modulator Adaptive Pre-Correction for ATSC 8VSB Digital Transmitter Systems
Thales

Development And Application Of Sub-Pixel Imaging Devices For Television Cameras
Thomson

Development of Surround Sound for Television
Dolby, Fosgate, and Scheiber

Pioneering Development of mass-produced digital reflective imaging technology for consumer rear projection television
Texas Instruments

Coding Technology for Optical Recording Formats
Dr. Keith Immek

Technology to simultaneously encode multiple video qualities and the corresponding metadata to enable real-time conformance and / or playout of the higher quality video (nominally broadcast) based on the decisions made using the lower quality proxies
Montage, Pinnacle, Philips and Thomson

Outstanding Achievements In Advanced Media Technology

For The Enhancement Of Original Television Content
NASCAR.COM'S PITCOMMAND
Turner Sports Interactive
and Sportvision

For The Creation Of Non-Traditional Programs Or Platforms
iO INTERACTIVE OPTIMUM DIGITAL CABLE
Cablevision

2003- 2004

Direct View Liquid Crystal Display Screens
Sharp

UHP Lamps
Philips

Pioneering efforts in the invention of the Telestrator
Len Reiffel

Pioneering Efforts in the Development of Spot Beam Satellites for Distribution of Local Broadcast Channels Directly to Home Receivers
DirecTV and Echostar.

Development, productization, and commercialization of video server technology leading to large scale VOD implementations
Concurrent, SeaChange and Ncube.

Outstanding Achievements In Advanced Media Technology

The Enhancement of Original Television Content

DIRECTV NFL Sunday Ticket Enhanced Service
DirecTV

The Non-Synchronous Enhancement of Original Television Content

Showtime Interactive
Showtime Networks

The Creation of Non-Traditional Programs or Platforms

Moxi Media Center
Charter Communications, Inc.
Adelphia

The Creation of Video Games

Jetix Cards Live! Enhanced TV
ABC Family
Toon Disney

2004-2005

Lifetime Achievement-For The Invention of the Videotape Recorder

Charlie Ginsberg, Ray Dolby, Alex Maxey, Charlie Andersen, Fred Pfost and Shelby Henderson

Slow-Motion color recording and playback for broadcast

Ampex
ABC

Closed Captioning Standardization

ABC
PBS
CEA

Pioneering Development of Locally Integrated and Branded Content using IP Store and Forward Technology

The WB
IBM

Lens technology developments for solid state imagers cameras in high definition formats

Cannon
Fujinon
Angenieux

First intercontinental satellite TV transmission

ATT

Outstanding Achievements In Advanced Media Technology

The Enhancement of Original Television Content

TOURCast – PGATour.com

The Non-Synchronous Enhancement of Original Television Content

ImageGuide/www.living.com
EAT.tv, LLC/Scripps Networks

The Creation of Non-Traditional Programs or Platforms

Moxi Media Center
Digeo

2005-2006

Lifetime Achievement-For the creation of DirecTV
Eddie Hartenstien

Pioneering development of On Screen Display (OSD) for setup, control and configuration of consumer television equipment
RCA

Streaming Media Architectures and Components
Microsoft, Adobe, Real, and Apple

Pioneering development for combining multiple transport streams which are already encoded, using rate-shaping and statistical re-multiplexing
Terayon Communication Systems

Development and implementation of automatically assembled dynamic customized TV advertising
Visible World, Weather Channel

Technology advances in Serial Digital Interface solutions, enabling over 20 years of seamless studio and broadcast infrastructure migration
Gennum Corporation

Privately owned and operated International Satellite Company primarily for international video services
Mr. Rene Anselmo, PanAmSat

Outstanding Achievements In Advanced Media Technology

The Synchronous Enhancement of Original Television Content
DirecTV Interactive Sports –
DirecTV

The Non-Synchronous Enhancement of Original Television Content
The-N.com Video Mixer
The N

The Creation of Non-Traditional Programs or Platforms
The Slingbox
Sling Media

The Best Use of Personal Media Display and Presentation Technology
Xross Media Bar
Sony Computer Entertainment

The Best Use of “On Demand” Technology Over Private (closed) Networks
Time Warner Cable’s Start Over
Time Warner Cable (Concurrent Computer Corp., Big Band Networks, Harmonic Inc., Scientific Atlanta)

The Best Use of “On Demand” Technology Over the Public (open)
Internet
Stim TV
NPOWR

Best Use by Commercials in Creation and Use in Non Traditional
Platforms and Technologies
TiVo Interactive Advertising Platform
TiVo Inc.

Peripheral Development and Technological Impact of Video Game
Controllers
D-pad innovation on the NES/Famicon controller
Nintendo

Dual Shock Analog Controller
Sony Computer Entertainment America

Development of 3D Software Engines
John Carmack
id Software

Pioneering Work in Near and Real-Time Fully Programmable Shading
Via Modern Graphics Processors
Microsoft
AMD
NVIDIA Corporation

(Only “classic” Emmy® Awards for Technology and Engineering appear below. As of January 8, 2008, Advanced Media Technology winners for Science, Engineering & Technology for Broadband & Personal Television, Engineering & Technology for Creation and Implementation of Video Games and Platforms were honored, not presented with an Emmy.)

2006-2007 ATSC broadcast transmission system RF filters
Electronics Research, Inc. (ERI)
Dielectric Communications
Harris Broadcast
Micro Communications, Inc. (MCI)

Video-on-Demand (VOD) two-way infrastructure and signaling
Time Warner Cable
Scientific Atlanta
N2 Broadband (TANDBERG Television)
The Emmy Award for Coaxial cable technology:
AT&T

Pioneering development of a fully monitored fiber optic based
digital network for occasional use and full time video services with fully
provisioned local video access at shared use sports venues
Vyvx Services

Development and implementation of an integrated and portable IP-based live, edit and store-and-forward digital newsgathering system
CNN

Monitoring for compliance standards for ATSC & DVB transport streams:
Rohde & Schwarz
Tektronix
Thomson
Pixelmetrix Corporation

2007-2008 **Lifetime Achievement Award - For communications networks to transmit quality video programming.**
Ivan G. Seidenberg, Verizon

For the serial interface and protocols for server/VTR control
Harris Corporation
Sony

For Delivery Confirmation Systems
XOrbit
Scripps Networks

For Development and Standardization of File Formats for Video and Audio
Society of Motion Picture and Television Engineers (SMPTE)
Thomson Grass Valley

For Pioneering Development of MPEG-4 AVC systems for HDTV
Tandberg Television
DirecTV

For Pioneering RF Combiners for Adjacent Channels on Common Antenna Systems
Harris
Micro Communications Inc. (MCI)
Radio Frequency Systems (RFS)

For ongoing live global HD cinemacasting
The Metropolitan Opera Association

For the development of HDMI
Silicon Image
Thomson
Toshiba
Sony
Matsushita
Hitachi
Philips
Molex
Japan Aviation Electronics (JAE)
Intel

For the Standardization of the ATSC Digital System
Advisory Committee on Advanced Television Service
Advanced Television System Committee
Advanced Television Test Center
Advanced Television Evaluation Laboratory

For the MPEG-4 AVC Standard
Video Coding Expert Group (VCEG)
Moving Picture Experts Group (MPEG)

2008-2009 Audience Measurement Technology System
Nielsen Corporation

Audience Measurement Technology
Arbitron

Pioneering Development in Electronic Prompting
PORTAPROMPT

Pioneering Development in Electronic Prompting
COMPU=PROMPT

Pioneering Development of MSDC High Power Amplifiers
L3

Pioneering Efforts in Development, Implementation of Network
Distribution workflows for ATSC DTV Development
FOX

Pioneering Efforts in Development, Implementation of Network
Distribution workflows for ATSC DTV Development
PBS (The Public Broadcasting Service)

Development of NTSC Television
The Federal Communications Commission

Development of NTSC Television
CEA (Radio Manufacturers Association)

Development of NTSC Television
The NTSC

Pioneering Development of Automatic Transmitter Identification for
Satellite Television Communications
HBO (Home Box Office)

Pioneering Development of Automatic Transmitter Identification for
Satellite Television Communication
Elmer Musser

2009-2010

Lifetime Achievement – For innovation and risk-taking facilitating the Blu-ray format, digital broadcasting, multichannel TV, and 3D television.

Sir Howard Stringer, Sony Corporation

Development and Production of Portable Tapeless Acquisition

Avid Technology, Inc.

Ikegami Co. LTD

The Belt Pack: Distributed Amplifier Systems in Live Production

Stan Hubler

Doug Leighton

Bob Cohen

Charlie Butten

RTS Systems, Inc.

Clearcom (HME)

Development of Wireless Intercom

HME (HM Electronics, Inc.)

RTS Systems, Inc.

Development of Audio Meta Data Process for conforming audio the ATSC digital TV standard

Dolby Laboratories, Inc.

Linear Acoustic, Inc.

Enabling Standards for the delivery of television via broadband data systems

CableLabs

HD Super Motion Systems for acquisition, recording and Playback for Broadcast Entertainment and Sports Productions

NAC Image Technology, Inc.

EVS Broadcast Equipment, Inc.

Vision Research (An AMETEK® Company)

Grass Valley Group

Sony Corporation

Blue Laser Optical Systems for Consumer Playback

Sony Corporation

Royal Philips Electronics

Panasonic Corporation

TDK Corporation