



**NATIONAL ACADEMEY 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 Awards  
1963-1963  
1964-1965
- 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 DigiII 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 Panicle 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/EFP  
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

Development and standardization of the Alignment Color Bar Test Signal for 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 Closed Captioning 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 Pfof  
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