

2015 HONORS AND AWARDS RECIPIENTS



The SMPTE 2015 Awards Ceremony is being held in conjunction with the SMPTE 2015 Annual Technical Conference & Exhibition at the Loews Hollywood Hotel in Los Angeles, CA, on Thursday, 29 October 2015.

Honorary Membership in the Society recognizes individuals who have performed eminent service in the advancement of engineering in motion pictures, television, or in the allied arts and sciences. It is the Society's highest accolade. The Honor Roll may posthumously recognize individuals who were not awarded Honorary Membership during their lifetimes but whose contributions would have been sufficient to warrant such an honor.

With Honorary Membership and appointment to the Honor Roll, this year, SMPTE honors three technologists for their innovations, which have left a lasting impression on the industry: **Laurence Thorpe**, **Irwin W. Young**, and **Oscar Byram (O.B.) Hanson**.



SMPTE has conferred Honorary Membership status on **Laurence Thorpe**, an industry pioneer in the field of motion picture and television imaging. Throughout his extensive career at Radio Corporation America (RCA), Sony, and Canon, Thorpe has been instrumental in introducing innovative technologies to several generations of filmmakers and television content producers. He is widely recognized as one of the key figures in the development, adoption, and roll out of high-definition television (HDTV). Thorpe has influenced the development of and assisted in bringing to market a wide range of innovative products covering all aspects of image capture, including telecines, multiformat cameras, and broadcast and cinematography lenses.

Thorpe joined Canon U.S.A. in February 2004. He is now Senior Fellow, Professional Engineering & Solutions within the Imaging Technologies & Communications Group of Canon USA Inc. In January 2015 he was awarded the 2014 Engineering Emmy Charles F. Jenkins Award for lifetime achievement by the Academy of Television Arts and Sciences. In 1982, Thorpe joined the Sony Broadcast Company. From 1984 to 2003, he was responsible for HDTV market development and from 2001 to 2004 he was senior vice president of content creation systems. He is a recipient of the NAB 2000 Television Engineering Achievement Award and the Montreux 2000 Gold Medal Award for Digital Cinematography.



Also recognized with Honorary Membership, **Irwin W. Young** is an innovator and creative talent, as well as a friend and supporter of independent filmmakers. Young has advanced post-production technology and created or supported the development of critically acclaimed motion pictures and television at DuArt Film Laboratories. From the introduction of 16mm reversal overnight dailies to creating a computerized frame count and cueing system for negative preparation, timing, and color correction, he has worked tirelessly, introducing continuous improve-

ments to the motion picture processes. Young's leadership in establishing SMPTE standards on these processes has benefited the world.

Young is Chairman of the Board of DuArt Film Laboratories and DuArt Film & Video Incorporated in New York City, and president of Western Broadcasting WOLE (Channel 12), Aquadilla-Mayaguez, Puerto Rico. He has been with DuArt since graduating from Lehigh University in 1950. During his more than 50-year tenure in the film industry he has been the recipient of a number of awards, including the 2001 Gordon E. Sawyer Award (Oscar) from the Academy of Motion Picture Arts and Sciences (AMPAS), the SMPTE Progress Medal, the New York State Governor's Arts Award, the Independent Filmmaker's Project First Annual Gotham "Lifetime Achievement Award," and the from the Directors Guild of America (DGA) the 2008 DGA Honors to Recognize Leadership in Film and Television Industry.

Oscar Byram (O.B.) Hanson (1894-1961) has been named to the SMPTE Honor Roll for his engineering and operational leadership in designing the first generation of television studios, control rooms, and mobile television units that transitioned the industry from radio to television. He published his work on the initial television facilities to benefit the industry at large. Constantly developing and patenting improved methods for television imaging, Hanson worked throughout his career at RCA and the National Broadcasting Company (NBC) to establish common standards across the industry to ensure interoperability.

The Archival Technology Medal Award recognizes significant technical advancements or contributions related to the invention or development of technology, techniques, workflows, or infrastructure for the long-term storage, archive, or preservation of media content essence.



The 2015 award will be presented to **James A. Lindner** for a career largely devoted to the art and science of media preservation and the development of technologies and techniques widely used in the world of media archiving. His research into the JPEG-2000 format as a target preservation codec for moving image conservation contributed to the broad acceptance of the format in media and in cultural heritage archives. He also is cited for development of the System for Automated Migration of Media Archives (SAMMA) workflow and systems for digitizing videotape. He has advanced the state of the art in preservation of both physical media and digital representations of motion-imaging content.

Lindner is currently chief executive officer (CEO) at Media Matters. He received a patent for his invention of the SAMMA, which is used around the world to preserve video recordings, and was a Technical Emmy Award winner for the same invention. He was the recipient of the Film Preservation Award from Anthology Film Archives in 1995;



he broke ground by becoming its first awardee in the field of magnetic media restoration. He is honored by the establishment of the James A. Lindner Digital Archive Fellowship by The HistoryMakers in Chicago.

The David Sarnoff Medal Award recognizes outstanding contributions to the development of new techniques or equipment that have contributed to the improvement of the engineering phases of television technology, including large-venue presentations.



The 2015 award will be presented to **Birney Dayton** in recognition of his work in signal processing and routing, fiber optic transmission of video and audio signals, and the advancement of analog, digital, and HDTV. Throughout his career, Dayton remained an active member of SMPTE and was elevated to SMPTE Fellow. He has been at the forefront of technology and product development, and many of these products and developments are now standard equipment in today's broadcast stations and facilities. Dayton's numerous patents, the first awarded in 1979, reflect the significance of his contributions within a very important time in the industry's history.

Dayton was active in the broadcast industry from 1968 until his retirement in 2010. He spent four years in television production and equipment maintenance while studying for a BSEE degree at the University of Nevada, Reno. In 1973, he joined the Grass Valley Group and for the next 16 years designed and managed the design of many products. In 1989, Dayton with others, founded Nvision with the goal of building products for the "impending" HDTV studio. Over the past 40 years, Dayton worked on industry committees helping to advance the state of the art. He assisted in the development of SMPTE analog and digital component video standards, and was co-chairman of the SMPTE High Definition Electronic Production working group and chaired the Systems Analysis working party of the Advisory Committee on Advanced Television Systems. He was twice elected to the SMPTE board of governors and was awarded the SMPTE Progress Medal in 2008. Dayton is a Life Fellow of the SMPTE and holds 15 patents.

The Digital Processing Medal Award recognizes significant technical achievements related to the development of digital processing of content for cinema, television, games, or other related media.



Stan Moote will receive the 2015 award for development of the first reliable video/audio scrambling system for composite analog video and analog audio in the early 1980s. This system digitized the analog signal, scrambled it, and reconstructed an analog signal that could be transmitted over satellite or microwave links with complete security. The system was granted both Canadian and U.S. patents. Moote went on to serve as president and CEO of Leitch Technology International before returning to engineering management. He also assisted in the invention of the video multiviewer, for which he received a patent. Moote became chief technology officer (CTO) at Leitch just before its acquisition by Harris Corporation.

Moote is currently CTO at IABM, the International Association of Broadcast Manufacturers. He began his television career in 1977,

while interning as a plant engineer for CFTO-TV in Toronto, Canada, during the co-op component of his engineering degree from the University of Waterloo. In 1980, Moote co-founded Digi-tel, Inc. and was responsible for the design and development of various innovative digital video products, before bringing his many talents to Leitch in 1984. Moote was involved in the SMPTE Digital Video Standards Committee meetings creating CCIR-601 and continued his standardization work on video transport by being on the Video Services Forum (VSF) board of directors from 2001 to 2004. He developed several patents including scrambling systems, data monitoring, multiviewer, router processors and Internet protocol television systems. Moote is an active member of the NATAS Technical Emmy Committee.

The Samuel L. Warner Memorial Medal Award recognizes outstanding contributions in the design and development of new and improved methods and/or apparatus for motion picture sound, including any step in the process.

The 2015 award will be presented to **Sripal Mehta** and **Harold Hallikainen** in recognition of their collaborative work in the development of closed-caption communication protocol standards for digital cinema. Their accomplishments include the development of an Ethernet-based synchronization protocol with associated resource presentation list, and a content essence format by which content owners can create and package up to six languages of interoperable closed captions in a single distribution. Their joint effort enabled the introduction of competitive closed-caption systems in motion picture exhibition, providing the means for the deaf and hearing impaired everywhere to better enjoy the cinema experience.



Sripal Mehta is principal architect, broadcast, at Dolby Laboratories, where he leads a team to develop next-generation audio solutions from creation to consumption. Since he joined Dolby in 2000, Mehta has led teams in the areas of broadcast audio, digital cinema security and playback, and most recently, immersive and personalized audio for the cinema and the home. Mehta holds several patents, has authored several papers for SMPTE and IBC, and has presented at multiple conferences. As a contributing member of SMPTE over the past decade, he has led the development of two D-Cinema standards and has chaired the digital cinema security subcommittee.



Harold Hallikainen has been an engineer at Ultra Stereo Labs (USL), since 2007, specializing in analog and microcontroller hardware and software design. For 25 years, he also taught analog and digital circuitry, programming, and mathematics part time at Cuesta College, San Luis Obispo, CA. He is co-inventor of the Light and Sound Sensor, a cinema quality control device. He has written more than 100 articles and two books on regulation of broadcasting. Hallikainen has also written chapters in three editions of the NAB Engineering Handbook. At USL, he has been very active in several SMPTE standards committees, serving as chair of the committee that developed the Auxiliary Content Synchronization Protocol and secretary of the Cinema Sound Systems committee.

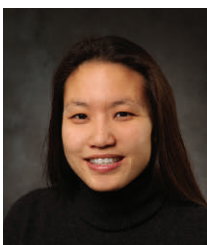
The Technicolor/Herbert T. Kalmus Medal Award recognizes outstanding contributions that reflect a commitment to the highest standards of quality and innovation in motion picture post-production and distribution services.



The 2015 award will be presented to **Wolfgang Lempp** for his collaborative leadership of FilmLight, Ltd., and the focus on creating high-quality systems for post-production, including scanning, color management, color correction, 4K playback, and on-set grading. Lempp is a visionary who has consistently anticipated the changing needs of the post-production community and developed the tools necessary to complete films with state-of-the-art technology.

Lempp started his career in the film industry, initially as a special effects technician and then, after moving to London, as a visual effects supervisor. He was one of the original team members and key contributor to the development of the Computer Film Company's (CFC) pioneering digital film facility, receiving a Sci-Tech Academy Award in 1996. As director of technology at CFC, he was involved in the development of image processing hardware, workflow applications and image processing tools, as well as in the early tests and discussions about digital cinema through SMPTE and European Digital Cinema Form. In 2002, he founded FilmLight Ltd., together with Steve Chapman and members of the technical team at CFC, to provide digital film technology for the emerging Digital Intermediate market. Developments included the Northlight film scanner, the Truelight color management system, and the Baselight film finishing system. These developments were recognized with a British Kinematograph Sound and Television Society (BKSTS) Technical & Scientific Award in 2005, and with four separate AMPAS Sci-Tech awards in 2010.

The Workflow Systems Medal Award recognizes outstanding contributions related to the development and integration of IT file-based systems and infrastructures into production processes.



The 2015 award will be presented to **Annie Chang** in recognition of her research, implementation, and participation in the generation of new compression and file-based technology standards, including early digital video disc (DVD) authoring and more recently the Interoperable Master Format (IMF). Chang has shown huge commitment and leadership within the IMF initiative to improve the post-production and mastering pipelines through new file-based workflows and standards efforts. Her contributions to the standards process have been critical to the development and successful uptake of IMF, which simplifies post-production processes.

Chang is the vice president of post-production technology for The Walt Disney Studios where she oversees the research and implementation of new technology into Disney's feature post-production and mastering pipelines through new file-based workflows and standards efforts. She is chair of the Interoperable Master Format Working Group at SMPTE and represents Disney in the UHD Alliance as a Board director. Before Disney, she spent six years at THX Ltd. as the senior engineer for the Digital Mastering Program and three years in DVD authoring and compression.

The Kodak Educational Award honors an individual who advances the educational process at any level through innovative and inspirational methods, and it recognizes outstanding contributions in new or unique educational programs utilizing the technologies of film.



David L. Long will receive the 2015 award for development of the Bachelor of Science for the motion picture science program at the School of Film and Animation at Rochester Institute of Technology (RIT). By joining a core curriculum in practical filmmaking with one in engineering and image science, this program trains students in the art and science of feature film, television, and animation production. Long is responsible

for the research, curriculum development, teaching, and administration of the program—the only one of its kind in the U.S.—and has been the driving force behind it since its inception in 2006-2007. Currently, more than 95% of program graduates work in the film or imaging science industries.

Long joined the faculty of the School of Film and Animation in 2007, where he is currently program chair and associate professor for the B.S. Motion Picture Science program. His research interests at RIT include engineering multispectral video capture and display systems and studying variability in human color vision for artistic applications. Prior to RIT, Long worked as a development engineer and imaging scientist with Eastman Kodak's Entertainment Imaging Division where his primary responsibilities included new product development and image science and systems integration for the motion picture group, focusing on film and digital imaging products. His work has earned him numerous patents and a 2008 Scientific & Technical Academy Award for contributions made to the design of Vision2 films. Long is an officer of the SMPTE Rochester Section and is chair of the Board of the Little Theatre in Rochester.

Each year, one SMPTE Journal Award is presented to the author of the most outstanding paper originally published in the SMPTE Motion Imaging Journal during the preceding calendar year.

The 2015 SMPTE Journal Award will be presented to **John Hudson** and **Edward Frlan** for the article "Toward a Hierarchy of SDI Data Rates," published in the April 2014 issue of the SMPTE *Motion Imaging Journal*.



John Hudson is director of strategic technology & international standardization at Semtech Gennum Products. His responsibilities include technology strategy, product definition, and international standardization for Semtech's video and datacom business. Hudson has spent 28 years in the broadcast industry, beginning his career as a design engineer at Sony Broadcast and Professional Europe. He joined Gennum in 1999 and has been instrumental in developing the company's video and multi-media semiconductor business.

Hudson is a SMPTE Fellow and past Excellence in Standard award winner. He serves as chair of the 32NF40 Working Group on Serial Digital Interfaces (SDI) and chairs the 32NF70 6G-SDI drafting group. He is the



author of several SMPTE Standards, and actively contributes to the development of realtime streaming media interfaces for video and D-Cinema production. He is the author of 11 patents on video processing and signal integrity solutions for multimedia applications and regularly contributes technical papers and presentations to seminars and technology events.



Edward Frlan is a senior system architect within the Genum Products Group of Semtech Corp. responsible for the definition of next-generation video and datacom physical layer integrated circuits. He is also the Optical Inter-networking Forum's Physical Layer Interoperability Working Group chair and has actively contributed to the development of several OIF physical layer interface specifications. He joined Genum from a Hardware Architect position within the Metro Ethernet Networks division of Ciena where he was responsible for the system and synchronization architecture of various transport equipment.

Two Journal Certificates of Merit will be presented this year to:

Jürgen Burghardt, Jörg Houpert, and Timo Meyer for the article "Increased Value of Video Assets: New Technologies for the Automatic Transfer and Digital Preservation of Analog Videocassettes," published in the January 2014 issue of the SMPTE *Motion Imaging Journal*.



Jürgen Burghardt is currently a consultant for broadcast and AV/IT business development, project management, and training supporting Cube-Tec International. He is CEO of FKTG (Fernseh- und Kinotechnische Gesellschaft e.V.), a German association for television and cinema engineers. Burghardt previously worked at Sony Deutschland GmbH—Professional Solutions Europe, where he was head of

broadcast training, broadcast marketing, broadcast strategy and market development, and head of key account management. He is also a member of the advisory board for media at technical University in Ilmenau, Thuringia, Germany and participates on numerous working groups in the media industry. He was also a lecturer for students of media-economics at the University of Applied Science in Wiesbaden, Germany, and for students of video production technology at the University of Applied Science in Cologne. He is author of the *German Handbook of Professional Video Recorders*.



Jörg Houpert studied electrical engineering at the University of Bremen, Germany, with a focus on digital signal processing and psychoacoustics. During his studies in 1990, he established the engineering company Houpert Digital Audio (HDA) at the Innovation and Technology Center in Bremen and worked as a visiting lecturer at the University of Oldenburg, Germany. In 2005, he established Cube-

Tec International. As head of technology at Cube-Tec, his interest is to pioneer new technologies for the safeguarding worldwide audiovisual cultural heritage and to create optimized solutions for the management of large-scale media workflows. Moreover, he holds a few patents in the

field of digital signal processing and archiving. Houpert is a member of SMPTE and is involved in the SMPTE standards community. In addition, he is an active participant in various industry and standardization initiatives like the Joint Task Force of the Framework for Integrated Media on the harmonization of interoperable media services and the European Broadcasting Union Strategic Program on Quality Control.



Timo Meyer graduated from the University of Bremen in 2009 with a diploma in electrical engineering/information technology. From 2006 until 2009 he gained practical production experience in sound broadcasting at public broadcaster Radio Bremen. After his studies, he worked as a software developer in the area of digital audio and video signal processing with a focus on quality control and restoration at Cube-Tec International GmbH. Since 2013, he has been working as a software engineer in the field of sonar signal processing.

Joachim Keinert, Michael Schöberl, Matthias Ziegler, Frederik Zilly, and Siegfried Foessel will also receive Journal Certificates of Merit for the article "High-Dynamic Range Video Cameras Based on Single Shot Non-Regular Sampling," published in the November/December 2014 issue of the SMPTE *Motion Imaging Journal*.



Joachim Keinert is chief scientist at Fraunhofer IIS in Erlangen, Germany. His research interests focus on high-dynamic range video capture and processing, as well as light-field imaging and depth acquisition. Keinert actively participates in the JPEG compression standardization where he co-chairs the Systems group. He is experienced in development of hard- and software for image processing in both embedded and general-purpose systems. Currently, he leads several image processing projects in the context of light-field imaging and 3D capturing. Keinert has diplomas from both the University of Stuttgart, Germany, and Télécom ParisTech (formerly ENST) in Paris, France. In 2009, he received a Ph.D. with honors in the domain of electronic system level design for image processing applications.



Michael Schöberl is currently working as a chief scientist in the Electronic Imaging department at Fraunhofer IIS with a focus research and innovation management. He received a diploma in electrical engineering with honors in 2006 from the University of Erlangen-Nuremberg. He then joined the Fraunhofer IIS, where he started to work on high-quality imaging systems in the Electronic Imaging department. In 2007, he joined the Chair of Multimedia Communications and Signal Processing at the University of Erlangen-Nuremberg to continue the research on theory and algorithms for high-end camera systems in a close cooperation with Fraunhofer IIS. In 2013, he received a Ph.D. with honors in electrical engineering for his work on digital cameras. Among other concepts, the non-regular sampling and reconstruction theory is presented in his thesis.



Matthias Ziegler has been with Fraunhofer IIS since receiving a diploma in electrical engineering from Friedrich-Alexander University Erlangen, Germany in 2012. Since that time he has been working on algorithms for computational imaging. His research focus is on light-field production workflows and algorithms including disparity estimation, plenoptic cameras, and high-dynamic range.



Frederik Zilly is head of the Computational Imaging and Algorithms group in the Moving Picture Department of Fraunhofer IIS. Before joining Fraunhofer IIS, he was scientific project manager in the Immersive Media and 3D Video group in the Image Processing Department at Fraunhofer HHI in Berlin, where he was involved in several German and European research projects related to 3DTV. In this function, he was mainly responsible for the development of the stereoscopic analyzer (STAN) and coordinated the activities of the Fraunhofer HHI concerning European MUSCADE research project. Zilly has been honored for his work on the assistance system STAN with the Award for Outstanding Merit in Young Scientists from FKTG, and the Rudolf Urtel Prize 2011. He has served as a reviewer for different international conferences and journals. His research focus lies in multicamera image processing algorithms.



Siegfried Foessel is head of the department Moving Picture Technologies at the Fraunhofer IIS and spokesman of the Fraunhofer Alliance Digital Cinema. He was responsible for projects like the camera development ARRI D20/D21, the Digital Cinema Initiatives certification test plan or the JPEG 2000 standardization for D-Cinema. Foessel is member of various standardization bodies including SMPTE, FKTG, the International Organization of Standardization (ISO) and Deutsches Institut für Normung e.V (DIN). In 2013, he received the SMPTE Fellow award for his work in Digital Cinema. In 2014, he received the Josefvon-Fraunhofer award for the development of easyDCP, a tool for creating and playback of Digital Cinema Packages. In 2014, he was elected president of the FKTG.

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The Presidential Proclamation Award recognizes individuals of established and outstanding status and reputation in the motion picture, television, and motion-imaging industries worldwide.



Charles H. Jablonski receives the 2015 award in recognition of his decades of contributions and leadership within the Society and the television industry at large. In addition to being a major contributor to the implementation of digital HDTV, he has dedicated his time in support of SMPTE's vision and mission, serving in executive, technical, educational, and advisory roles over the past 30 years. His wisdom, mentorship, and sharp, ever-colorful wit have been instrumental in helping build SMPTE into the vibrant organization it is today.

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Jablonski serves as industry consultant to various media, technology, and investment funds. Most recently, he was the Interim CEO and vice president of Operations at Onlive, a cloud-based gaming company. Before that, he served as president and CEO then executive chairman of Myrio, a company enabling the telephone industry to deliver consumer quality digital video (aka IPTV). Before that, he was chief operating officer at Geocast Network Systems. Jablonski serves on several Boards, including For a-TV, Western Broadcasting of Puerto Rico and DuArt Laboratories and as an advisory to various startup companies. He is a Fellow and former president of SMPTE and is chair emeritus for the Emmy Awards Committee for Science and Technology for NATAS. Jablonski has been awarded eight Emmys for his work on the Olympics. He also serves on the Advisory Board for the School of Engineering at Rensselaer Polytechnic Institute.

The Excellence in Standards Award recognizes individuals or companies that have been actively involved in advancing the Society's standards activities and processes.

The 2015 award recipients are **Bruce Devlin** and **J. Patrick Waddell**.



Bruce Devlin receives this award for his leadership in the development of the Material eXchange Format (MXF) standard and many of the supporting standards for MXF. Devlin chaired the SMPTE MXF Design and Standardization Group, and since the publication of the MXF standard in 2004, he has been active in updating the core documents and developing new MXF-related standards. This involvement led Devlin to be known as "Mr. MXF." He continues to be active in SMPTE standards, currently chairing the ST 377-2 drafting group (KLV Encoded Extension Syntax for MXF) and the ST 380 (MXF Descriptive Metadata Scheme-1) revision group, as well as actively participating in the integer/fractional frame rates study group, the IMF Sample Material Interchange group, the Timecode in MXF Study Group, and the Advanced Audio Coding (AAC) in MXF project.

Devlin has been working in the media industry for 30 years and manages media technology in Dalet Digital Media Systems. Formerly the CTO at AmberFin, the vice president of technology for Snell, and principal engineer at both Thomson in France and the British Broadcasting Co., Devlin has designed an array of products from ASICs to software algorithms. He wrote the book and chaired the SMPTE working groups on the MXF format.



J. Patrick Waddell receives this award for his longstanding involvement in SMPTE standards for close to 20 years. Waddell's participation is broad, encompassing virtually every technology committee. He is a universally active participant in the standards community and is often the first volunteer to help with new efforts or to assist in whatever capacity is needed, whether as a chair, secretary, document editor, or any other role requiring assistance.

A 40-year veteran of the broadcasting industry, Waddell is a SMPTE Fellow and is currently the chair of the ATSC's TSG/S6, the Specialist Group on Video/Audio Coding (which includes audio loudness). He



was the founding Chair of SMPTE 32NF, the Technology Committee on Network/Facilities Infrastructure, and currently the Chair of the 32NF Working Group on Time Labeling and Synchronization, 32NF-80. He represents Harmonic at a number of industry standards bodies, including the ATSC, Digital Video Broadcasting, Society of Cable Television Engineers, and SMPTE. Waddell was the 2010 recipient of the ATSC's Bernard J. Lechner Outstanding Contributor Award and has shared in eight Technical Emmy Awards. He is also a member of the Audio Engineering Society, the IEEE BTS, as well as a member of the IEEE BTS Distinguished Lecturer panel for 2012 through 2016.

The Citation for Outstanding Service to the Society, which recognizes individuals for dedicated service for the betterment of the Society over a sustained period of time, will be conferred upon four SMPTE members:



Charles R. Diehl, for his commitment to the educational and social success of the SMPTE New York Section. He has used his knowledge of our industry and the people in it for the benefit of the Section. While Diehl has produced many excellent technical programs, his most outstanding events have been the December holiday parties, which have grown to become the New York broadcast engineering

community's social events of the year, with upward of 200 people in attendance. This success would not be possible without Diehl's organizing and fundraising skills.

Diehl currently works as a senior account manager for Evertz Microsystems. He began his career in computers after attending St. Michaels College and Computer Technical School in New York City. He worked for Documentation, which manufactured high-speed printers and card punch readers running IBM mainframes. In 1979, he joined Television Graphics in New Jersey and worked as a maintenance engineer to support Slow Mo replay and character generation. He worked on remotes for major networks for the Super Bowl, Monday Night Football, and ESPN Sports. During the 1990s Diehl worked at several HD start-up companies that designed and manufactured servers, charter generators, and automation systems. During these years, he became very active in SMPTE and produced the first meeting on web-based video streaming.



Brian F. Kobylarz, for his commitment to the success of the Connecticut Subsection since it was established in 2011. As the founding chair of the Subsection, Kobylarz has organized remarkable meetings that have drawn participants from all over the region. He has also been a major contributor to the New York Section's work. Through his dedicated service, his commitment to the goal of building the first SMPTE Subsection, and his enthusiastic support of the Society's guiding principles, Kobylarz has shown a level of service to SMPTE that is worthy of recognition.

Kobylarz has been involved in the film and video industry for nearly 40 years. As a cinematographer and producer, his primary market and emphasis has been providing high-end visual content to corporate, industrial, and government agencies. He holds bachelors degrees in studio art/photography (Windham College, 1976) and media/communica-

tions (Lyndon State, 1978). Kobylarz was first nominated for SMPTE membership in 1983. At that time, he was serving on the Board, then was elected president of the Connecticut Chapter, Information Film Producers of America (IFPA). More recently, Kobylarz was a founding member and served on a regional film commission in southeastern Connecticut. He has also chaired film festivals for nonprofit arts organizations and led educational workshops for emerging filmmakers.



Dick Millais, for his devoted service to the Hollywood Section. He is a pillar of the Hollywood Board of Managers, bringing an informed perspective and an abundance of knowledge to its work. Millais is dedicated to organizing, managing, and setting up Section meetings. His work with the Local Arrangements Committee volunteers at the SMPTE Annual Technical Conference has been exemplary, and his presence at the conference has been indispensable. Millais is also a passionate supporter of SMPTE Student Chapters. He joined SMPTE in 1969 and is a strong resource for the Hollywood Section.

Dick Millais is a video/film management consultant. His background in film and television spans more than 50 years. He was a TV news and commercial cameraman in New York City from 1955-1972, then an executive at various production and post-production facilities in New York City and Los Angeles. He was vice president of marketing at VTC from 1977-1988, where he was heavily involved in the early deployment and success of providing satellite distribution for syndicated programming and commercials. Millais is a 48-year Life Member of SMPTE and two-term Manager of the Hollywood Section. He credits SMPTE as being his primary source for continuing education and professional collaboration. He is also a Life Member of the Digital Cinema Society (DCS), and a member of the Society for Information Display (SID), the Association of Moving Image Archivists (AMIA), and the Civil Air Patrol (CAP), with more than 3,500 pilot hours.



Herb Ohlandt, for his stewardship of the New York Section. He has been the backbone of the Section, serving as Secretary/Treasurer from 2008 to 2015, and stood in as chair pro tem many times during his tenure. Ohlandt has shepherded four changeovers in chairs and managers, providing quiet leadership for the Section's board of managers—always supportive, while teaching new board members the ropes. A mainstay for many years at the National Video Center and before that at ABC, Ohlandt is a recognized veteran engineer, as well as one who gives back to the community through the New York Section, where he's been a member since 1976.

Ohlandt started his television career at the ABC Network in New York in 1966 and worked there until 1977. Starting as a Page in Client Relations, he moved to television maintenance after graduating college. Subsequently, he moved to videotape maintenance and was promoted to supervisor in videotape. For the ABC Network News division, Ohlandt shepherded use of a new, pioneering hand-held camera at Republican and Democratic conventions in 1968. For ABC Sports, he provided engineering support for the new camera at the 1968 Mexico City

Olympic Games. As a member of the videotape engineering team for the 1976 Innsbruck and Montreal Olympic Games, he was awarded an Emmy for Videotape Editing. Ohlandt's SMPTE activities ranged from membership in the Type C and D-1 Working Groups, subcommittee chair duties for numerous New York-based National SMPTE conferences and Secretary/Treasurer of the New York Section from 2008-2015.

The Student Paper Award recognizes the outstanding paper prepared and submitted by a Student Member.



The 2015 Student Paper Award will be presented to **Jan Fröhlich** for "Gamut Mapping for Digital Cinema," published in the November/December 2014 issue of the *Motion Imaging Journal*.

Fröhlich is a Ph.D. student at the University of Stuttgart, where he is currently studying high dynamic range and wide color gamut imaging, gamut mapping and color management. Fröhlich

has contributed to multiple research projects looking at new acquisition, production, and archiving systems for television and cinema and has been involved in a number of technically groundbreaking film projects, from Europe's first animated stereoscopic feature film to introducing the HDM-HDR-2014 high dynamic range and wide gamut video dataset. Before starting his Ph.D. he was the technical director at CinePostproduction GmbH in Germany. He is a member of SMPTE, the Society for Imaging Science and Technology, the International Society for Optics and Photonics, FKTG, and the German Society of Cinematographers (BVK).

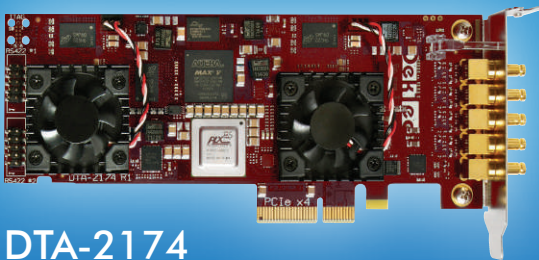
The Louis F. Wolf Jr. Memorial Scholarship is designed to help students further their undergraduate or graduate studies in motion pictures and television, with an emphasis on technology.



The 2015 scholarship will be awarded to **Arnav Mendiratta**, a graduate student at the University of Southern California.

Mendiratta is a graduate student in the Ming Hsieh Department of Electrical Engineering at the University of Southern California, where he is currently working on his master's degree with specific focus on audio-visual multimedia and creative technologies. Mendiratta's undergraduate research work involved adaptive noise cancellation of audio. His paper was selected for the 2014 International Conference on Electronics, Communication and Instrumentation (ICECI) and has been published in IEEE Xplore. Mendiratta has worked on projects related to image and video compression and ambisonics surround sound. One of his directed research projects involved visualizing sound with the spectrogram. Recently, he has been involved in machine learning research and is currently working on big data analysis systems for monetizing the content for over the top television (OTT) through customer-targeted advertisements. He also started the SMPTE Student chapter at the University of Southern California and serves as the vice president on the Executive Board of the student branch.

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