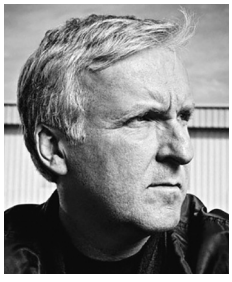
2016 SMPTE AWARDS CEREMONY

The SMPTE 2016 Honors & Awards Ceremony will take place on Monday, 24 October, following the SMPTE 2016 Symposium, and will feature a red carpet and poolside reception. In addition, Honorary Membership and the Progress Medal will be conferred at the SMPTE Centennial Gala on Friday, 28 October. Both events will take place in the Ray Dolby Ballroom.

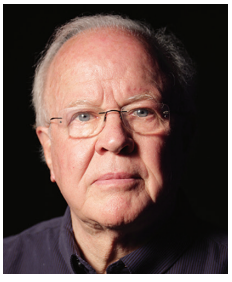
Honorary Membership *is the Society's highest accolade. It recognizes individuals who have performed eminent service in the advancement of engineering in motion pictures, television, or in the allied arts and sciences.*



SMPTE will confer Honorary Membership upon **James Cameron** for his determination to continuously improve cinematic storytelling through innovative technical methods. Unafraid to go beyond the bounds of current cinematic techniques, Cameron continues to develop and apply new engineering approaches to advance the art and technology of storytelling, bringing the audience to new awe-inspiring environments. He has championed numerous innovative production techniques that have challenged and inspired filmmakers and engineers alike. Cameron's filmmaking vision has resulted in sophisticated special effects (SFX) algorithms for object transformations, underwater filming methods, original approaches for computer graphic motion capture, stereoscopic capture, projection techniques, and experimentation in higher frame rates (HFRs)—all enhancing and advancing the moviegoing experience in a way that further immerses audiences into the tale being presented. In an era in which digital and computer techniques are expanding the creative palette for filmmakers, Cameron is widely regarded as one of the most forward-thinking writers, producers, and directors in applying emerging technology methods successfully.

Cameron is an acclaimed filmmaker and explorer. As director, writer, and producer, he is responsible for some of the most memorable films of the past three decades: *The Terminator, Aliens, The Abyss, Terminator 2: Judgment Day, True Lies, Titanic*, and *Avatar*. Over the past 15 years, Cameron developed cutting-edge 3D camera systems for movies and documentaries, as well as for broadcast sports and special events. He was at the vanguard of the 3D renaissance that has transformed the movie industry in recent years. He also developed unprecedented deep ocean exploration vehicles, lighting, and 3D camera equipment. Most recently, Cameron led his eighth deep ocean expedition to some of the deepest trenches in the world. On 26 March 2012, he set the world's solo deep diving record of 35,787 ft in the Challenger Deep in a vehicle of his own design. Cameron is a National Geographic Explorer in Residence, and a recipient of their most prestigious award, the Hubbard Medal, as well as the Explorer's Club medal for Explorer of the Year.

The ***Progress Medal*** *is the most prestigious SMPTE award, and it recognizes outstanding technical contributions to the progress of engineering phases of the motion picture, television, or motion-imaging industries.*



SMPTE is presenting the 2016 Progress Medal to **Douglas Trumbull** in recognition of his numerous contributions to photographic processes and technologies in visual effects (VFX) and HFR cinematography. Trumbull conducted pioneering biometric research on audience response to HFR imaging and developed a novel cinematic process using a 65-mm film at 60 frames/sec that resulted in a "Giant Screen" 70-mm image with extraordinarily high definition, along with smoother and more realistic motion rendering. His work continues to advance stereoscopic 3D and digital HFR imaging, including his 120 frame/sec Magi single-camera/single-projector "lens-to-lens" system that harnesses existing cameras, post-production tools, and projectors to deliver images and sound that are almost indistinguishable from reality.

Trumbull, a visionary filmmaker, innovator, and entrepreneur, has enjoyed a long and prestigious technological and creative career in filmmaking and entertainment technologies. Following his breakthrough pioneering work as one of four photographic effects supervisors on *2001: A Space Odyssey*, his name rapidly became synonymous with some of the greatest effects work of its era on titles such as *The Andromeda Strain*, *Close Encounters of the Third Kind, Star Trek: The Motion Picture,* and *Blade Runner*. Trumbull directed *Silent Running* and *Brainstorm*, and he has also directed numerous Expo and special venue films, videos, and attractions. Along the way, he has been awarded more than 20 patents,

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including one for the first entertainment simulator ride (*Back to the Future—The Ride* at Universal Studios) and another for the Academy Award-winning Showscan process for high-speed 70-mm cinematography. He was recently awarded the coveted Gordon E. Sawyer Academy Award for his contributions to cinema technology.

The following will be presented on Monday, 24 October, at the **SMPTE 2016 Honors & Awards Ceremony**:

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*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 2016 award will be presented to **Daniel Teruggi** for his contributions to the preservation of the world's audiovisual cultural heritage in his leadership of the Presto European Commission Research and Innovation Projects. Through a series of Presto projects, Teruggi has directed the efforts of hundreds of scientists and researchers from dozens of academic and commercial entities in their investigations of archival technology from the broadest possible perspective. No aspect of the complex set of challenges facing media archiving has been left unexamined by the Presto projects. Teruggi's efforts have resulted in the development of new tools and technologies for archival preservation and access.

Teruggi was born in Argentina in 1952, and developed his professional career in France, where he has lived since 1977. A composer and researcher, he has worked since 1981, at National Audiovisual Institute (Ina) in Paris. He has been the director of Ina's Musical Research Group, GRM, since 1997 and the director or the Research and Experimentation department of Ina since 2001.

He is a member of the Europeana project and Foundation and General Secretary at the International Federation of Audiovisual Archives (FIAT/IFTA). Teruggi has composed nearly 80 works, mainly for the concert and always using electroacoustic devices with or without acoustic instruments. He is the author of numerous research articles related to sound and musical perception as well as musical analysis. His music has been performed in more than 30 countries and published in different CD collections. He is also founding member of the International Electroacoustic Musical Studies network.

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*The **Camera Origination and Imaging Medal Award** recognizes significant technical achievements related to invention or advances in imaging technology, including sensors, imaging processing electronics, and the overall embodiment and application of image capture devices.*

R. Norman Hurst will receive the award for his work in color camera signal circuit design, particularly for his invention allowing independent control of selected color areas, also known as skin detail. This technique has been an essential part of color television production for more than 25 years.

Hurst is a principal software engineer for the Products and Solutions Division at SRI International, responsible for the development and advancement of SRI's award-winning video test and measurement products. He has created a number of easy-to-interpret testing tools, including the Visualizer digital video test pattern, an high dynamic range and wide color gamut test pattern suite, and the Sarnoff TG-series of sequence generators with A/V test patterns. Hurst joined RCA Laboratories (now SRI) in 1980 as a member of the technical staff. His work involved the design of analog and digital electronic circuits and the invention and computer-based simulation of advanced television systems. He holds 36 U.S. and many international patents. Hurst contributed to the development of the Emmy-winning MPEG Compliance Bitstreams DTV testing technique. In 2013, he became a SMPTE Fellow. He also received the SMPTE Digital Processing Medal Award.

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

The award will be presented to **Peter G. M. Centen** in recognition of his work in image sensors, imaging, and broadcast camera innovation. Centen has been at the forefront of the charged-couple device (CCD) and complementary metal-oxide-semiconductor (CMOS) image sensor technology, and in 2003 he was awarded an Emmy for the development of high-definition dynamic pixel management (HD-DPM) for CCD sensors.

Centen is vice president R&D, cameras for Grass Valley, a Belden Brand, and he has more than 30 years of experience managing innovation in imaging technology. During his time with Grass Valley (previously Philips), Centen has been instrumental in transitioning the camera manufacturer from CCD-imagers to CMOS imagers across the entire product range, which enabled the present-day 4K and HDR imaging using 2/3-in. lenses. Centen has a BS degree in telecommunication, an MS degree with honors in electronics, and a PhD

in imagers. He holds 11 patents and is a member of the Institute of Electrical and Electronics Engineers (IEEE) and SMPTE and has published more than 65 journal and conference articles in related fields. He has presented his work at dozens of international conferences.

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*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.*

Paul Kellar will receive the award for his fundamental contributions to the development of digital video systems and continued technical leadership over four decades.

Kellar started his career in engineering at Rolls–Royce and Associates Ltd., Derby in the U.K., in 1970 after graduating from St. John's College, Cambridge. In 1972 he joined Micro Consultants Ltd. (later Quantel), as a digital designer. During his tenure at Quantel, Kellar held positions as manager video unit, group head, video systems; and research director. At Quantel, Kellar designed the prototype "intellect" image processing system—the first framestore-based image analysis system to accept and display live video. He also designed and built the prototype DPE 5000, the first digital zoom machine to achieve widespread use and commercial success, for which he received an Emmy. Kellar was also instrumental in the development of Quantel's "Paintbox," "Editbox," and numerous other systems, which received Emmy Awards. In 2006, Kellar along with his longtime colleague Richard Taylor, cofounded the Taylor Kellar partnernship. Kellar has been recognized with a number of awards for his outstanding contributions to the industry and also holds numerous patents. A SMPTE member, he was elevated to Fellow in 1994.

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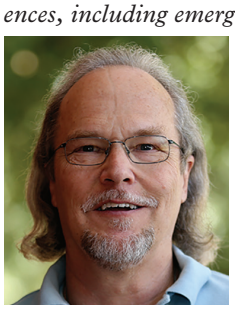
*The **Excellence in Educational Medal Award**, SMPTE's newest award, honors outstanding contributions to new or unique educational programs that teach the technologies of motion pictures, television, or other imaging sciences, including emerging media technology.*



The award recognizes an individual who advances the educational process at any level through innovation and inspiration. **Michael F. Korpi** will be the first recipient of this award for his innovative methods of teaching, especially creating joint courses at Baylor University, in which multidisciplinary teams of creative and technical students collaborate on projects at an accelerated schedule. The students enrolled in this program accomplish in a single semester, tasks that conventionally require much more time. The team-building skills and cross-disciplinary training students gain from Korpi's courses are directly applicable to the world outside academia.

Korpi, a professor of film and digital media at Baylor University since 1982, is a Collins Outstanding Professor (elected annually by the Baylor Senior Class), a SMPTE Fellow, and a Senior Research Fellow at the IC^2 Institute at the University of Texas at Austin. He conducts research dealing with new communication technologies beginning with high-definition television (HDTV) in the 1980s, transitioning to nonlinear editing systems and broadband video networks in the 1990s, and now digital cinema, augmented reality, and virtual reality (VR). He is also a filmmaker, having produced documentaries on topics ranging from automobile racing to refugee resettlement and world hunger. Korpi attended Liberty University and the University of Iowa.

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*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, at any step in the process.*

The award will be presented to **Neil A. Shaw** in recognition of his support of SMPTE, as he has contributed his efforts in creating standards and practices for theater acoustics and electroacoustics. Shaw most recently played a significant role in the SMPTE 25CSS Cinema Sound B-Chain Study Group, providing a scientific basis for the acoustical analysis of the cinema venues measured for the studies. He also chaired the drafting committee to assemble and revise the Study Group Report.

Shaw is a consultant in acoustics and communication technologies. His projects in Asia, Europe, and the Americas include performance, production, and post-production spaces, sacred spaces, corporate meeting and conference facilities, transportation infrastructure and rolling stock, academic buildings, hospitality, test and research laboratories, and cruise ships as well as audio product development and electroacoustic measurement techniques. He studied electrical engineering at the Cooper Union and received BS and MS engineering degrees from the University of California, Los Angeles, where he studied with Richard Stern and William C. Meecham. Shaw is a Fellow of the Acoustical Society of America, a Fellow of the Audio Engineering Society (AES), a senior member of the IEEE, a member of the Institute of Noise Control Engineering, and a member

of SMPTE. He was awarded the Kenward S. Oliphant Memorial Fellowship in Acoustical Engineering by the Consulting Engineers Association of California and is a member of Tau Beta Pi.

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*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 award will be presented to **Dr. Johannes Steurer** for his innovations in post-production digital intermediates (DIs) and the ARRILASER film recorder, which enables high-quality film output. Steurer was a key contributor to ARRI's successful transition into the digital area, and he continues to innovate in 3D acquisition and depth-sensing technologies.

Steurer is a principal engineer, R&D, at Arnold & Richter Cine Technik, Munich, where he is responsible for research and technical innovations in the area of motion picture capture, specifically for depth-sensing, self-localization, lens focusing, 360° and VR. Steurer studied electrical and computer engineering at the Technical University of Munich, where he graduated in 1992. Early in his career, he worked on industrial image processing at Signum Computer and video compression standards at IRT (the research center of the German broadcasters) in Munich. Joining ARRI in 1994, he has held various positions, including project manager for the ARRILASER film recorder. Steurer is member of SMPTE, FKTG (German association of broadcast and cinema engineering), and VDI (The Association of German Engineers). He has received several awards including the Academy Award of Merit (Oscar Statuette) in 2012, the Oskar–Messter medal by the FKTG in 2014, and the Technology Lumiere Award by the Advanced Imaging Society in 2014.

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

The award will be presented to **Thomas G. Edwards** in recognition of his fundamental research, implementation, and direction in the advancement of live, broadcast-quality, IT-based workflows, and also his leadership in developing best practices and standards for improving these workflows. As an early advocate of using commercial "off-the-shelf" IT equipment in the broadcast environment, Edwards has actively participated in the Joint Task Force for Networked Media, the Video Services Forum (VSF), the Internet Engineering Task Force, and SMPTE, breaking down barriers within the Internet protocol (IP) to ensure the viability and advancement of IP workflows within broadcast environments. His efforts and direction continue to influence the design of current and future facilities and the workflows within.

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.* This year, **Thomas G. Edwards** is the recipient of this award, for the article "Source-Timed SDN Video Switching of Packetized Video," published in the May/June 2015 issue of the SMPTE *Motion Imaging Journal*, Volume 124, Issue 4.

Edwards is vice president, engineering & development, at Fox Networks Engineering & Operations, where he works on advanced technology development, such as ultra-high-definition, over-the-top, and live IP production systems. Before joining Fox in 2007, he was a senior manager, interconnection engineering at PBS, and he has had significant experience with streaming media production and delivery at the Internet service provider DIGEX and the IP-over-satellite company Cidera. Edwards has contributed to the NAB Engineering Handbook, the SMPTE Study Group on Media Production System Network Architecture, the SMPTE/EBU/VSF Joint Task Force on Networked Media, VSF TR-03, and chairs the SMPTE 32NF-60 Video over IP Working Group. He holds an MS in electrical engineering from the University of Maryland. He is a board member of the Streaming Video Alliance, a member of IEEE, and a SMPTE Fellow.

***Two Journal Certificates of Merit** will be presented to:*

Charles Poynton, Jeroen H. Stessen, and **Rutger Nijland** for the article "Deploying Wide Color Gamut and High Dynamic Range in HD and UHD," published in the April 2015 issue of the SMPTE *Motion Imaging Journal*, Volume 124, Issue 3.

Charles Poynton is an image and color scientist. He specializes in the physics, mathematics, and engineering of digital color imaging systems, including digital still cameras, digital video, HD/HDTV/UHD/4K/8K, digital cinema (D-Cinema) and DI systems. He is involved in engineering high dynamic range (HDR) imaging and wide color gamut (WCG) systems. Poynton is currently a PhD candidate at Simon Fraser University.

While at Sun Microsystems in California, from 1988–1995, he initiated Sun's HDTV research project. He launched the effort that established square sampling ("square pixels") as the standard for HD, and thereby established the number 1080 now found in HD and D-Cinema standards. Before joining Sun, Poynton designed and built the digital video equipment used by NASA to convert video from the Space Shuttle into NTSC for recording and distribution. Poynton is a Fellow of SMPTE and a Fellow of BKSTS. In 1994, he was awarded SMPTE's David Sarnoff Gold Medal.

Jeroen Stessen was born in 1962 as the son of two teachers. He became interested in electronics around the age of 8, and was identified as a junior inventor in 1973. In 1987, he graduated from Eindhoven Technical University with an MSc in electronics and a specialization in control systems. He then began working in the Television laboratory of Philips Consumer Electronics. During more than 25 years with Philips, he has developed analog and digital electronics and numerous image-processing algorithms. In 2012, he was transferred along with the Television business to TP Vision, but that venture ended. In 2014, he began consulting for Philips Intellectual Properties and Standards in a project on HDR TV; this HDR project has since become a joint activity with Technicolor. In this role, he is developing solutions for HDR Transmission, HDR ↔ SDR conversion, and display adaptation. He has put his name on approximately 10 external publications and 40 patent applications.

Rutger Nijland graduated from the Polytechnic College in Enschede in 1999 with a BSc in electronics and a specialization in digital electronics. That same year, he joined the Philips Advanced Systems and Application Laboratory Eindhoven, The Netherlands, where he worked in the Flat television department on digital video processing and matrix display systems. He was involved in a wide range of projects in the area of plasma and LCD TV development, ranging from algorithm development to definition, implementation, and application of integrated circuits. Currently, he is a research scientist involved in HDR video encoding and tone mapping. Nijland has been involved in video research activities including sharpness, scaling, contrast manipulation, and color theory.

Fumiaki Usui, Ryuhei Kamata, and **Laurence Thorpe** also receive the Journal Certificate of Merit for the article "Lens Considerations for Digital Cinematography," published in the January/February 2015 issue of the SMPTE *Motion Imaging Journal*, Volume 124, Issue 1.

Fumiaki Usui studied applied physics at Waseda University in Tokyo and joined Canon in 1988 as an optical design engineer. At Canon, he has been developing advanced optical technologies, primarily for broadcast lenses and cinema lenses. From 1990, on the cinema lens front, he was deeply involved in developing the well-known Super16mm series cinema zoom lenses. In 2000, he started developing the 2/3 in. digital cinema lens lines, including zooms and primes. Usui is currently involved in the ultra-high-definition (UHD) optical technology development and was deeply involved in the development of Canon's latest 4K cinema lens lines, including the latest CN20x50 (50–1000 mm) super telephoto 4K cinema lens.

Ryuhei Kamata joined Canon in 2002 as a sales staff for the broadcast and cinema lenses. In 2011, when Canon launched the new line of Cinema EOS products, including the cinema lens lines, he joined the U.S. division, where he has been involved in developing the cinema lens business in the U.S.

Laurence Thorpe joined Canon USA 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 October 2015, Thorpe was a recipient of Honorary Membership from SMPTE. In 1982, he joined the Sony Broadcast Company. From 1984 to 2003, he was responsible for HDTV market development. From 2001 to 2004 he was senior vice president of Content Creation Systems. He received the NAB 2000 Television Engineering Achievement Award and the Montreux 2000 Gold Medal Award for Digital Cinematography. Thorpe worked for RCA's Broadcast

Division from 1966 to 1982, where he developed a range of color television cameras and telecine products. In 1981, Thorpe received the David Sarnoff Award for his innovations in automatic studio color cameras. He holds 10 patents for his work at RCA.

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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.*

Peter D. Symes will receive the award for his longtime dedication to the Society and his years of service to the broadcasting industry, during which he has been an influential and tireless contributor. A SMPTE Fellow, recipient of the Citation for Outstanding Service to the Society, founding member of the Sacramento Section, and long-term member of the SMPTE Board of Governors, Symes has served the Society in a number of volunteer capacities including Section chair, regional governor, engineering director, engineering vice president, and financial vice president. Since joining the SMPTE staff in 2007 as the director of standards and engineering, he has streamlined the standards development process. Symes' guidance was critical at a time when the industry was transitioning from film to digital cinema and from analog to digital television, including high definition and higher resolutions, and from industry-specific technologies to Internet-based workflows.

Symes began his career in television in the engineering department of the British Broadcasting Corporation, after receiving a BS degree with honors in 1967. He worked in product management for Philips and Central Dynamics before joining Grass Valley. From 1983 to 2007 he held a number of positions with responsibilities that include strategic planning, intellectual property, and technological liaison. He represented Grass Valley in many organizations including SMPTE, where he served two terms as engineering vice president and one as financial vice president. In July 2007, Symes left Grass Valley to join SMPTE staff as Director of Standards & Engineering. He holds patents and is the joint recipient of Emmy awards for the architecture of the digital picture processor. He is a senior member of the IEEE, and a Fellow of SMPTE. He has written and presented numerous papers at industry conferences, and is the author of several books on video compression published by McGraw Hill. Symes has also contributed to other books, including "*Understanding Digital Cinema*" (Focal Press, 2004) and two editions of the "*NAB Engineering Handbook*."

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

David J. Bancroft will receive this award in recognition of his 40-year involvement in SMPTE standards. Bancroft has served as SMPTE technology committee chair, leading several SMPTE standards project groups, and has made technical contributions to numerous SMPTE standards development efforts. He continues to advance these efforts by remaining active in the SMPTE United Kingdom Section.

Bancroft's career in the broadcast and motion picture industries spans almost half a century since joining the BBC in 1967. He has held positions as technical operations in television production, including outside broadcasts and videotape editing. Bancroft introduced digital techniques in television and motion picture production in the 1980s, 1990s and 2000s.

In a highly varied career, he also performed roles in product development and technical support for RCA and Ampex; BTS/Philips/Thomson/Technicolor/Grass Valley; and as an independent consultant. His career took him from his native England for 20 years, residing in Greece, the U.S., and Germany. Bancroft has traveled extensively to present technical papers at conventions in several continents. He is a Fellow of SMPTE, the Royal Television Society, and the BKSTS, and is a member of the IEEE Broadcast Technology Society, and the Institution of Engineering and Technology. He is the recipient of several awards, including the SMPTE Journal Award and the IBC President's Award.

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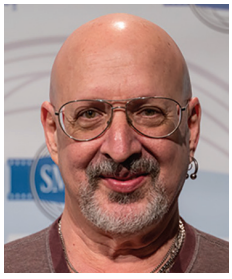
*The **Citation for Outstanding Service to the Society**, which recognizes individuals for dedicated service for the betterment of the Society over a sustained period, will be conferred upon five SMPTE Members:*

Martin P. Feldman for more than three decades of service to the New England Section, including 16 years as manager and Section chair. In that time, he has produced more than 100 Section meetings and workshops, establishing the Section as the premier technical information resource for the New England motion-imaging community.

Feldman is vice president, Integrated Solutions Group, a division of The Camera Company, Inc. in Norwood, Massachusetts, where he has served in various capacities since 1989. He is a three-time recipient

of the U.S. Coast Guard's Certificate of Administrative Merit, awards garnered while serving as a Public Affairs Officer in the U.S. Coast Guard Auxiliary, where he served as a branch chief as a member of the national staff from 1980 to 1982. In 2000, Feldman worked on a pilot web project for the Medical Division of ABC News. While studying broadcast journalism and TV/Radio production at Boston's Grahm Junior College, Feldman worked in master control at the school's closed circuit television station, where he became interested in the technical side of the business. Feldman is the incumbent chair of the New England Section, an associate member of the AES, and a member of The Boston Audio Society.



Mark L. Forman for his contributions to the New York Section for more than a decade as manager, meeting producer, and photographer. The dozens of meetings he has produced on image acquisition and display have been highlights of the Section's calendar. Forman's photography of the Section's meetings and events has provided a rich visual record of its activities.

Forman graduated from the New York University's Tisch School of the Arts with BFA and MFA degrees in Film. In 1984, he won an award for cinematography for the student film "Party Games." In 1988, he produced "Bicycles on Snow," which aired on the Discovery Channel, which received an award for the best film at the Interbike Film Festival. In 1991, he developed and patented the Forman Camera Bicycle a device for action cinematography. Forrest Whitaker used the bikes to open his HBO film, *Strapped* (1993). The Forman Bikes were also used for Sony/Interfilm's, *Ride for Your Life* in 1993 with Adam West. In 2000, he opened the Forman HD screening room, which has screened for cinematographers including Allen Daviau, ASC, Ellen Kuras, ASC, Sean Fairburn, SOC, among other notables. He was the first to use a DSLR for a feature film shooting an insert scene in December 2008 for the film *Notorious* with the Canon 5D Mark II. Forman is an accomplished still photographer.

Keith Ian Graham for his instrumental work in revitalizing the San Francisco Section as an active branch of the Society. Graham has served as Section Chair since 2010 when he reestablished the production of Section meetings, incorporating streaming to reach a wider audience and providing increased value to the membership.

Graham is a seasoned industry professional, drawing on more than 35 years of experience in broadcasting and facilities companies, in operational, engineering, and management disciplines. Graham has worked, both as an independent consultant and a staff member with many of the major systems integration companies in the U.S. and Europe, including Sony, Ascent Media, and Azcar. At Azcar, Graham, serving as a consultant, helped solve existing problems and introduced new technologies and solutions as the companies' businesses developed. At Ascent Media Systems and Technology Services (then A.F. Associates) he undertook the feasibility of growing the systems integration business into Europe, Africa, and the Middle East. Single-handedly, he established communications with key players in the European market and grew the awareness of Ascent Media as a viable system integrator and technology leader in the market. Graham is a published author of technical articles and a regular speaker at industry conferences.

Mona Smothers for nearly a decade of leadership and unwavering commitment to the Sacramento Section, where she has served as manager, secretary/treasurer, and chair. Her tenacity, drive, and enthusiasm have established the Section's strength and have set the precedent for its positive future.

Smothers has been working for Ewing-Foley Inc. for more than 30 years. As the manufacturer's representative for flagship, video-centric electronic component manufacturers, such as Semtech Corp., Embrionix, Cambridge Connectors, and I-Chips, she provides sales and technical support to the broadcast equipment manufacturers in the Grass Valley, California, area and surrounding region. In addition to key account management, Smothers' role within Ewing-Foley also includes distribution sales management for the network of distributors selling into the Sacramento, California, and Reno, Nevada, markets. She is a Certified Professional Manufacturer's Representative graduate and holds an associate degree in management from Sierra College. Smothers has served two years as a Section manager, seven years as Section chair and is currently in her second year as secretary/treasurer for the Sacramento Section.

Eric Wenocur for his decade-long service as manager and program chair of the Washington, D.C. Section. Under his leadership, the Section has consistently provided high-value programs to its members.

Wenocur is a freelance television engineer focusing primarily

on system design and consulting in the Washington, D. C., area. Starting with audio recording in the late 1970s, and moving into video engineering in the 1980s, Wenocur's experience has included equipment design and repair as well as system/facility design and installation for the audio and video production community. He is concerned with maintaining technical standards in today's age of shrinking budgets, and also with bringing young engineering talent to our industry. He is a member of the AES and an occasional contributor to industry publications and conferences.

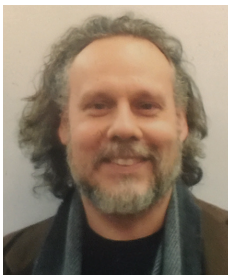
The Louis F. Wolf Jr. Memorial Scholarship *is designed to help students further their undergraduate or graduate studies in motion pictures and television, with an emphasis on technology.* The 2016 scholarship will be awarded to four student members:

Anna Dining, Rochester Institute of Technology; **Elizabeth DoVale**, Rochester Institute of Technology; **Jyotsna Kadimi**, University of Southern California; and **David Kuther**, New York Institute of Technology

Anna Dining is a senior pursuing her BS degree in motion picture science at Rochester Institute of Technology (RIT). Throughout her time at RIT, Dining has found a passion for VR's potential to heighten presence and empathy in cinematic storytelling. She is currently working on a thesis project that involves producing a short 360 film and executing a user study to explore "story presence" and the new language surrounding the medium. She has worked as a video editor for RIT Production Services where she recently received a Telly award in May 2016. As an editor for RIT SportsZone for three years, Dining will now work as their director of post-production. She has gained experience in live broadcasting as a Replay Operator for RIT SportsZone's broadcasts of Division I hockey, as well as freelancing as an operator in Rochester. Dining has participated in the SMPTE student chapter at RIT as a member, a project's creative director, project manager, and is the chapter president elect.

Elizabeth DoVale is a current fourth year student at the RIT working on a BS degree in motion picture sciences. DoVale first became interested in filmmaking in high school when she volunteered at her school's television station. In addition, she did the lighting design and operation for her high school's theater productions. DoVale received the Jeff Calhoun performing arts award in her senior year. Her love of math and science mixed with her passion for filmmaking directed her toward the Motion Picture Science program at RIT. She has been an active member of RIT's student chapter of SMPTE, also working as a teaching assistant for the first year introductory motion picture science course. During the summer of 2016, she held a software engineering internship in San Francisco with Dolby Laboratories' Cinema team where she helped to improve the calibration software for the Dolby Vision projector.

Jyotsna Kadimi was born in Delhi, India, and grew up in Hyderabad, where she trained for eight years in the Indian classical dance—Kuchipiudi. She graduated from SRM University, Chennai, in 2014 with a B.Tech degree in electronics and communication engineering and received a MS degree in electrical engineering from the University of Southern California in 2016. In April 2016, she led and produced *Recall*, a virtual reality memory productive game, which was awarded the best senior design project. Kadimi also received the NVIDIA grand prize for "outstanding performance," for showcasing VR games demonstrating the importance of binaural audio. She also worked as an R&D intern for media technology marketing strategy at Disney ABC Television Group from January to May 2016.



David Kuther is currently a staff editor with CBS News Marketing in New York City. Before joining CBS, he was a freelance editor at AMC Networks and Comedy Central, specializing in on-air promotions. He spent ten years as a senior editor at Frame:Runner, a video post-production facility in New York City, where his clients included Comedy Central, CBS, Nickelodeon, HBO, ESPN, USA Network, and The History Channel. Kuther began his television career more than 20 years ago, while still a student at New York Institute of Technology (NYIT), first as a graphics coordinator at Good Morning America, and then as a quality control technician and videotape operator at Lifetime Television. Kuther graduated with a BFA in communication arts from NYIT, where he was a student member of the Broadcast Education Association, SMPTE, the National Academy of Television Arts and Sciences (NATAS), and IRTS. He received a NATAS Scholarship Award for Excellence in the Field of Television.