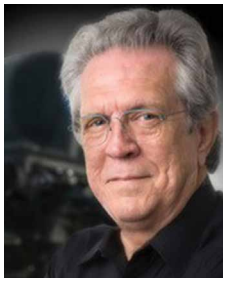
2020 SMPTE AWARDS CEREMONY

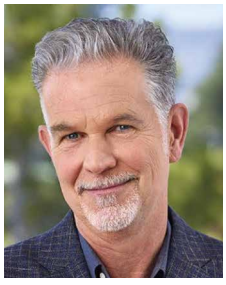
The 2020 **SMPTE Annual Awards Gala** will be held in two parts on 11 and 12 November in conjunction with the SMPTE 2020 virtual event.

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. Such contributions shall represent substantially a lifetime's work inasmuch as Honorary Membership shall be the supreme accolade of the Society.*

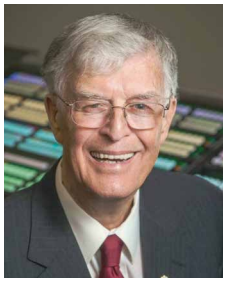
This year, SMPTE honors three recipients:



Richard Edlund, ASC, in recognition of his lifetime advancing the art and science of visual effects cinematography. His work on special effects began with the Star Wars franchise and led to the development and implementation of digital image processing technology and innovative operating techniques that have driven the rapid evolution of special effects in virtually every form of visual entertainment. Edlund is valued by the motion-picture industry for his many technical innovations, including the Empire Motion Picture Camera System.



Reed Hastings, in recognition of his momentous development and continued leadership of Netflix. Hastings has been a significant force in growing motion picture and television viewing beyond theatrical and traditional broadcasting to include Internet streaming on a multitude of wired and wireless platforms.



John D. Ross, in recognition of a lifetime of advancing the state of the art in television engineering. His work and inventions have spanned more than five decades, particularly in video processing, special effects, and keying. Among his early achievements, in 1956 Ross designed the first video production switcher in Canada to offer wipes and keys. Later, he designed the industry's first solid-state TV production switcher and a solid-state master control switcher. Founder of one of the industry's leading equipment suppliers, Ross is the embodiment of a role model, mentor, and leader.

The ***SMPTE Progress Medal*** *honors the individual by recognizing outstanding technical contributions to the progress of engineering phases of the motion picture, television, or motion imaging industries. The Progress Medal may be awarded annually, and it should be awarded for an invention or for research or development, which, in the opinion of the Committee, has resulted in a significant advance in the development of motion picture, television, or motion imaging technology. In considering an award to an individual, continued technical contributions over a period of years should be weighed as an important factor.*

RGR COLLECTION / ALAMY STOCK PHOTO

Natalie Kalmus receives the 2020 award, in recognition of her pioneering contribution to motion picture color. Kalmus helped to develop the Technicolor process, as the co-founder of the Technicolor Motion Picture Corporation, a groundbreaking innovation that had an unparalleled impact on filmmaking. She ensured that the process was used to its fullest extent to enhance and not detract from the story. She worked on more than 400 films, including *The Wizard of Oz* as color director. She published a paper, "Color Consciousness" in the August 1935 *SMPE Journal*. Kalmus, the self-described "Ringmaster to the Rainbow," was an exemplary role model, especially for young women.

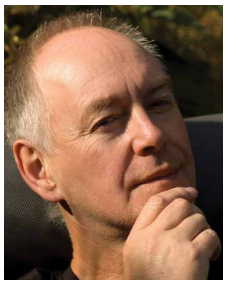
The ***Technicolor-Herbert T. Kalmus Medal, sponsored by Technicolor, Inc.****, honors the recipient by recognizing outstanding contributions that reflect a commitment to the highest standards of quality and innovation in motion picture post-production and distribution services.*

Beverly Joanna Wood is this year's recipient, in recognition of her important contributions to the creation and development of color contrast enhancement (CCE) and adjustable contrast enhancement (ACE) motion-picture processes, based on her knowledge of chemistry, engineering, and filmmaking, designed in collaboration with filmmakers. Wood has provided luminary guidance to cinematographers through the transition from chemical to digital technology.

Digital Object Identifier 10.5594/JMI.2020.3017997
Date of publication: 23 September 2020

1545-0279/20©2020SMPTE

*The **Samuel L. Warner Memorial Medal, sponsored by Warner Bros.**, honors the individual by recognizing 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 award will be presented to **Andrew Munro** for his significant contribution and many years of dedication to advancing the art and science of sound reproduction in the motion-picture industry. An acoustician, Munro has advanced the design and construction of reference studios for four decades, enabling sound designers and rerecording mixers to have greater and more precise control over their craft. Munro has been entrusted by leading post-production facilities and film companies worldwide.

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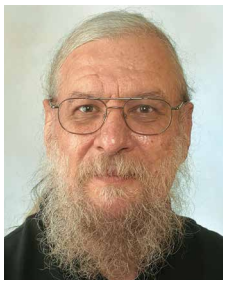
*The **David Sarnoff Medal, sponsored by SRI International**, honors the recipient by recognizing outstanding contributions to the development of new techniques or equipment, which have contributed to the improvement of the engineering phases of television technology, including large-venue presentations.*



Rich Chernock receives the award for his contributions to the development of the Advanced Television Systems Committee (ATSC) 3.0 Digital Television Standard, now being widely implemented and deployed throughout the U.S. He has also contributed significantly to the development of numerous standards for broadcast, cable, and IPTV, including ATSC 3.0, ATSC 2.0, and stream monitoring among others. He holds nine patents on digital television (DTV) in the fields of data broadcasting, interactive television, and electronic commerce.

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*The **Excellence in Education Medal, sponsored by William C. Miller and Ellen Sontag-Miller**, honors the recipient by recognizing 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 shall recognize an individual who advances the educational process at any level through innovative and inspirational methods.*

Corey P. Carbonara receives the award in recognition of his more than 35 years of teaching production and media technology. His ability to transform complex ideas into lessons that students can understand is revered. His passion for media and digital technology and for the role they play in the lives of individuals is evident in every class he teaches.

*The **Workflow Systems Medal, sponsored by Leon D. Silverman**, honors the recipient by recognizing outstanding contributions related to the development and integration of workflows, such as integrated processes, end-to-end systems, or industry ecosystem innovations that enhance creativity, collaboration, efficiency, or novel approaches to the production, postproduction, or distribution process.*

Bruce Leak receives this year's award in recognition of his pioneering leadership role that led to the development of the QuickTime extensible multimedia framework, the first mass-market, cross-platform digital video format for personal computers. QuickTime enabled a revolution that allowed users to digitize, compress, and playback media on personal computers for the first time. QuickTime continues to be relevant not only for media professionals, but also in internet streaming and formats used on mobile devices. Leak's passionate curiosity in emerging technologies continues to cultivate technological advances today.

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*The **Digital Processing Medal** honors the recipient by recognizing significant technical achievements related to the development of digital processing of content for motion picture, television, games, or other related media.*

Katie Cornog receives the award in recognition of her role in creating a wide range of digital signal processing methods at the Office of the CTO of Avid Technology, Inc. Her contributions include scene change detection algorithms, motion adaptive deinterlacing, extraction of 3D information from video, polyphase filter design and machine learning techniques for image resizing, slow motion and video retiming based on motion analysis, optimization for video compression rate control, digital watermarking, and splicing of compressed bitstreams. She was also instrumental in the development of the DNxHD master quality codec optimized for personal computer (PC)-based nonlinear production that was standardized as SMPTE ST 2019, also known as VC-3.

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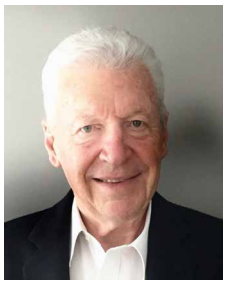
*The **Camera Origination and Imaging Medal** honors the recipient by recognizing significant technical achievements related to invention or advances in imaging technology including sensors, imaging processing electronics, and the overall embodiment and application of image-capture devices.*



Gérard Corbasson receives the award for his enduring contributions to the improvement of television and film camera optics, notably the incorporation of realtime microprocessor control in lenses, the design of optical collimation equipment for charge-coupled devices (CCDs), and the design of the first beam splitter for a color-broadcast CCD camera.

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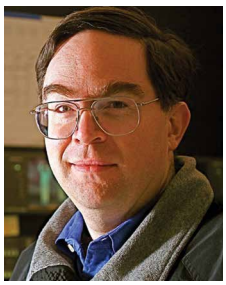
*The **James A. Lindner Archival Technology Medal, sponsored by James A. Lindner**, honors the recipient by recognizing significant technical advancements or contributions related to the invention or development of technology, techniques, workflows, or infrastructure for the long-term storage, archive, or preservation of media content essence.*



James Snyder receives the award in recognition of his work developing workflows and methodologies for digitizing and archiving large media collections and his commitment to sharing his knowledge and experience. He has presented at various industry events, including conferences and webinars and has published numerous articles. He continues to be involved in creating the standards and best practices for archiving and preserving media assets.

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

The SMPTE Journal Award is presented to **Julien Le Tanou** and **Médéric Blestel** for the paper "Analysis of Emerging Video Codecs: Coding Tools, Compression Efficiency, and Complexity," published in the November/December 2019 Issue of the *SMPTE Motion Imaging Journal*.

Julien Le Tanou is a principal engineer at MediaKind, formerly Ericsson Media Solutions. In this role, he is responsible for leading research and software development into video processing, compression, and associated technologies. Since 2012, he has been with Envivio France in charge of research and algorithms design for Envivio's SW video encoding solutions. Prior to Envivio, he has been with Orange Labs in France and Dolby Laboratories in the U.S., where he conducted research and development for next-generation video coding standards. He received an MS degree in signal and image processing from Telecom ParisTech, France, in 2010, and an MSc degree in computer and electrical engineering from Institut Superieure d'Electronique de Paris, France, in 2008.

Médéric Blestel is a principal video compression engineer within Mediakind. He joined the Envivio compression team based in Rennes (France) in 2011. An experienced leader, his research interests focus on various aspects of image and video processing. He has been heavily involved in various encoding projects and now mainly focus on new technical trends in the video compression area. Prior to Mediakind, Blestel contributed to Joint Photographic Experts Group (JPEG) and Motion Picture Experts Group (MPEG) standardization in IETR Laboratory. Blestel received a master of engineering degree from the INSA of Rennes in 2006.

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*The **Presidential Proclamation** recognizes individuals of established and outstanding status and reputation in the motion picture and television industries worldwide.*

Leon D. Silverman is the 2020 recipient, in recognition of his contributions to the Society and the media entertainment industry as a visionary, innovator, and mentor. Silverman has focused on Hollywood's evolving technology and its impact on innovation and workflow for more than 40 years. As a mentor, he has collaborated with colleagues to understand and address the challenges in an increasingly digital and data-centric industry and how they contribute to creative processes, workflow efficiencies, quality and digital content integration, and archiving. He continues to carry the future generations with him as he pushes the technology forward.

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

John F. Snow is the recipient, in recognition of his longstanding participation and leadership in the SMPTE Standards Community. Snow has made significant contributions to a wide range of activities, always in his own style. He is a consistent and essential voice of reason in a process often fraught with conflict and emotion. Not inclined to shy away from potentially controversial topics, he manages to bring measured logic to discussions, particularly in his role as the Chair of the Networks and Facilities Technology Committee. He is a most valued member of the standards community; his quiet, unassuming attitude and dedication to the Society truly makes a difference.

*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 two SMPTE Members:*

Bob Hudelson receives the award in recognition of his long-standing dedication to SMPTE, the industry, and the local community. For the past 17 years, Hudelson has been active in the leadership of the Sacramento Section, serving as the Chair, Past Chair, Manager, and Western Region Governor. Distinguished not only by his commitment to the Society, but also his mentorship and education of others, he has worked with the Section Managers and Chairs to ensure continuity and strength within the Section. His other contributions to the Section and local community include an initiative to record and stream Section meetings and to develop a number of internship programs for students, exposing them to the broadcast engineering industry and succeeding in launching many new careers.

Noel Shing-Sun Leung is also a recipient, in recognition of his long-standing service to the Hong Kong Section since his involvement in its formation in 1994. One of the founders of the Hong Kong Section, Leung has been a SMPTE Member since joining as a student in 1973. Over the past 26 years, he has been an active Section Manager and Secretary, working on local events and securing funding for the Section. Leung has helped to expand the influence of the Society in the Asia–Pacific region through liaisons with other organizations and has nurtured the next generation, conducting training courses for the local workforce.

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

The 2020 scholarship will be awarded to **Nicholas Hurley**.

Nicholas Hurley is a rising sophomore studying electrical engineering and physics at Northeastern University. For his final freshmen engineering project, in Spring 2020, Hurley worked on the Nipkow Disc, which re-created early 20th century electro-mechanical television design. He further augmented design with video-graphics engine and falling-bottle game implementation. He has also been the workshop coordinator at the Acoustical Society of America since September 2019. In this role, he coordinates instructional audio engineering workshops from conception to execution for dozens of eager students. He also presents monthly lessons, allowing students to assemble audio-based projects in realtime. He also provides educational outreach to Boston Public School children. He was the recipient of the Lawrence Award, awarded by Northeastern University Physics Department for outstanding performance in physics, and a National Merit Semi-Finalist, among others. He was also named one of 2500 scholars and finalists in country for supplementary transcript.

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*The **Student Paper Award** recognizes the outstanding paper prepared and submitted by a Student Member. The paper receiving the Student Paper Award will be published in the SMPTE Motion Imaging Journal.*

Adam C. Burke receives the 2020 award for his paper "Latency Perception in Cloud-Based Workspaces and Environments."

Adam Burke is a recent graduate of the Motion Picture Science program at Rochester Institute of Technology (RIT). In the summer of 2019, Burke interned with the Warner Bros., Emerging Technology division. During this time, he worked on a variety of image quality and color science projects, one of which was the basis for a paper published in the *SMPTE Motion Imaging Journal* in May 2020. He received the 2019 Louis F. Wolf Jr. Memorial Scholarship from SMPTE and acted as the vice president of the RIT Student SMPTE chapter during his senior year. Throughout his college career, Burke worked for RIT SportsZone, the university's sports broadcasting group, as a student director. In addition, he managed the technical aspects of the end-of-semester, academic screenings for the School of Film and Animation. Now graduated, Burke looks forward to pursuing a career where creativity and innovation is at the forefront of the work.