

Honors & Awards

The Society presents a number of awards each year, in recognition of outstanding achievement. The 2007 Honors and Awards Ceremony and Reception, will be held on Friday, October 26, 2007 during the SMPTE Technical Conference and Exhibition at the Brooklyn Marriott Hotel.



Smith

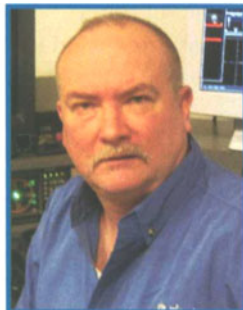
The SMPTE Progress Medal Award

The purpose of the Progress Medal is to honor an individual by recognizing outstanding technical contributions to the progress of engineering phases of the motion picture and/or television industries.

This year's recipient, **Clyde D. Smith**, is senior vice president of global broadcast technology and standards at Turner Broadcasting System, Inc. (TBS), where he oversees strategic technology planning, processes, and standards for broadcast and production technology operations for the domestic and international news and entertainment groups

Smith played a key role in creating the technology that resulted in a 2003 Emmy for Outstanding Achievement in Technology and Engineering for TBS. He participated in a team that developed the innovative Broadcast Inventory Manager Solution for TBS, which was recognized with a 2003 Laureate. In 2006, he also received the Broadcasting and Cable's Technology Leadership award.

A fellow of SMPTE, Smith is a frequent speaker and honored guest at meetings for SMPTE, National Association of Broadcasters (NAB) and the Society of Broadcast Engineers (SBE). He was a four-time Governor, a former Standards Chairperson, and Secretary/Treasurer of SMPTE. He has been program chair for four SMPTE Advanced Motion Imaging conferences and was a recipient of the Citation for Outstanding Service to the Society award in 2001. Smith has often presented and published research and technology papers that he has authored or co-authored in industry magazines and at industry conferences.



Dowdell

The Eastman Kodak Gold Medal Award

The purpose of this award is to honor the recipient by recognizing outstanding contributions that lead to new or unique educational programs utilizing motion pictures, television, high-speed instrumentation, photography, or other photography sciences. The award recognizes developments in equipment, systems, or instructional applications that result in advancing the educational process at any or all levels.

John J. Dowdell, III, is being honored with this year's award. Dowdell is currently director of imaging technology at Goldcrest Post, in New York City. As a colorist, he has worked on feature films such as *Crouching Tiger, Hidden Dragon*; documentaries; restoration projects, and commercials for Cheerios, Chicos clothing, and Proctor and Gamble. His selected list of commercial clients includes Alka Seltzer, AT&T, Clairol, Coca Cola, Ford Motor Co., and Kodak, to name a few. Dowdell has been a cornerstone of the posthouse community in New York City for many years and has frequently conducted training sessions for SMPTE, the Association of Independent Commercial Producers (AICP), students, and anyone interested in learning about how film works in the digital world.

Dowdell received a BS degree-Magna Cum Laude from Rochester Institute of Technology in 1969. He is the inventor of the Tone Reproduction Computer Dial and (with Dr. Richard D. Zakia) is co-author of the book, *Zone Systemizer for Creative Photographic Control*. He was the recipient of a Daytime Emmy Award in 1988 and an Emmy award for Outstanding Arts/Cultural/History Programming in 1989.



DuMont

The Technicolor/Herbert T. Kalmus Gold Medal Award

This award is given for recognition of outstanding contributions in the development of color films, processing, techniques, or equipment useful in making color motion pictures for theater or television use.

This year's recipient, **Christopher L. DuMont** is director, advanced development and systems engineering for entertainment imaging, Systems Technology Division with the Eastman Kodak Co. DuMont has worked at Kodak for 21 years and in motion picture systems studies for the past 19 years, developing new negative, intermediate, hybrid and digital products for use in the motion picture industry. His most recent contributions have been in the systems design of the new Kodak Color Management systems. DuMont has authored and presented at numerous SMPTE conferences. He was a 2003 and 2004 SMPTE Journal Award co-recipient. DuMont holds nine patents in the motion picture imaging science field for Kodak. He has a BS in imaging science and an MS in analytical chemistry, both from RIT, and is a SMPTE Fellow.



Craig

The David Sarnoff Medal Award

The purpose of this award is to honor the recipient by recognizing outstanding contributions in the development of new techniques or equipment that have contributed to the improvement of the engineering phases of television, including theater television.

Donald M. Craig is a co-founder of Omneon Video Networks, where he presently serves as chief technology officer, responsible for overseeing product architecture and technical strategy. Craig is regarded as one of the leading video server and networking architects in the television industry. He led the engineering team that developed the category-defining Profile video server at Tektronix in the mid-1990s, and at Omneon he continues to drive innovation in video server architectures.

Craig has held technical positions at Sony, Tektronix, Central Dynamics, the Canadian Broadcasting Corp., and Ampex. At Tektronix, where he worked from 1985 until 1996, Craig's achievements were honored with an appointment as Engineering Fellow. He also led software development for the VM-700 Video Measurement Set and managed engineering organizations in the company's workstation and Lightworks nonlinear editing businesses. Craig is known for building strong technical teams and for incorporating leading-edge technology into products targeted at professional television customers. His Tektronix engineering teams received Emmy awards in 1988 for the VM-700 and in 1996 for the Profile video server.

A SMPTE Fellow, Craig is also a member of the Association for Computing Machinery and the Hollywood Post Alliance.



Davis

The Samuel L. Warner Memorial Medal Award

This award honors the individual by recognizing outstanding contributions in the design and development of new and improved methods or apparatus for sound-on-film motion pictures, including any step in the process.

This year's recipient is **Mark F. Davis**. After receiving a PhD in psychoacoustics and electrical engineering from Massachusetts Institute of Technology (MIT) in 1980, Davis worked at dbx, where he designed the dbx/MTS stereo TV noise reduction system and the Soundfield One phased array loudspeaker. Since 1985, he has been a senior engineer in the R&D department of Dolby Laboratories, where he helped design AC-3, Dolby Virtual Surround, Enhanced Coupling for Dolby Digital Plus, and DSP ports of Pro Logic Surround and SR noise reduction. He has recently been exploring high-order multichannel surround sound systems.



Fielding



Hsu



Jones



DuMont

The Journal Award

This award is presented to the author(s) of the most outstanding paper originally published in the Journal of the Society during the preceding calendar year. In addition, up to two Journal Certificates of Merit are awarded for the next highest rated paper(s) appearing in the Journal in the preceding calendar year.

This year's Journal Award recipients are **Gabriel Fielding, Ryan T. Hsu, Paul W. Jones, and Christopher L. DuMont**, for the paper "Aliasing and Reconstruction Distortion in Digital Intermediates," published in the April 2006 issue of the *SMPTE Motion Imaging Journal*.

Gabriel Fielding is a senior research scientist with Eastman Kodak Co., where he writes algorithms for image sequence enhancement. He is actively involved in the Image Interchange Format Committee at the Academy of Motion Picture Arts and Sciences in Hollywood, CA. Fielding received a PhD from Drexel University in Philadelphia, for research on robust algorithms for stereo-motion fusion. Before receiving his PhD, he held positions at Unisys; in the Advanced Robotics Group at the Naval Research Labs in San Diego; and at Fairmount Automation in Philadelphia. His research interests include parallel and distributed algorithms for high-speed image and signal processing, artificial intelligence, and stereoscopic image capture.

Ryan Hsu is an algorithms and software engineer at Kodak. He holds BS and M.Eng degrees from Cornell University, both in electrical and computer engineering, with background in image and video processing and compression. His recent projects have involved development of digital intermediate image processing algorithms on commodity high-performance computing platforms.

Paul Jones is a senior principal scientist with Kodak. He received BS and MS degrees in imaging science from Rochester Institute of Technology and an MS degree in electrical engineering from Rensselaer Polytechnic Institute. He has over 24 years of experience in developing digital image processing solutions for still-frame and video applications.

Jones' primary activities have focused on designing and implementing algorithms for image compression and watermarking. He holds 28 US patents in those fields and is a Kodak Distinguished Inventor. He is co-author of the textbook *Digital Image Compression Techniques*, as well as several book chapters on compression. Jones is a co-recipient of the 2005 C.E.K Mees Award (Kodak's highest technical honor) for his work on image watermarking.

Christopher DuMont is also the recipient of the Technicolor/Herbert T. Kalmus Gold Medal Award. See p. 420 for bio.

Journal Certificate

Journal Certificates of Merit will be presented to **David L. Long** and **Thomas O. Maler** for the paper, "Designing Camera Origination Films for Scan-Only Applications in Television and Digital Intermediates," published in the April 2006 issue of the *SMPTE Motion Imaging Journal*.

David Long joined Kodak in 1997 as a member of the Manufacturing Research and Engineering Organization, after receiving a BS in chemical engineering from the University of Texas at Austin, and an MS in materials science from the University of Rochester. In 1998, he moved into a role as product development engineer and hybrid imaging scientist with the 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 hybrid imaging products. Long has contributed to the design and commercialization of the Vision2 family



Long

of color negative films, as well as several digital and hybrid imaging products for television and feature film post-production

In 2007, Long left Kodak to join the faculty of the School of Film and Animation at RIT, where he is currently program chair and assistant professor for the BS digital cinema program.



Maier

Tom Maier is a research fellow in the Entertainment Imaging Business Unit of Kodak. He earned a BS degree in chemical engineering from MIT and a PhD degree in chemistry from the University of Illinois. During his 36-year career at Kodak, Maier has written computer programs to model film and digital imaging systems, has developed methods to characterize and optimize the color quality of these imaging systems, and has run psychometric experiments to confirm the image quality of his computer optimizations. Maier previously served on a number of the CIE committees related to color and now serves on several SMPTE DC28 Standards Committees for Digital Projection Systems. He contributed to the standards dealing with color in the digital cinema system and was the editor of the recently issued Engineering Guideline, SMPTE 432-1-2007, "Digital Source Processing—Color Processing for D-Cinema." Maier was previously honored with the SMPTE Journal award for 2004.

The Presidential Proclamation

The purpose of this award is to recognize individuals of established and outstanding status and reputation in the motion picture and television industries worldwide.



Schuller

Edgar A. Schuller is this year's recipient. Schuller, who is now retired, held technical and managerial positions at Reeves Broadcasting, Cine Magnetics and Moviellab, and Deluxe Labs. During his career, he supervised the design and construction of three specialized motion picture film laboratories. At Reeves Broadcasting's lab, he developed the first commercially successful 16mm contact liquid printing system.

Over the past 55 years, Schuller has served SMPTE and the New York Section in many capacities. He has presented numerous papers to the New York and other SMPTE sections, as well as at SMPTE conferences, and has organized many technical and social programs. Schuller served as a SMPTE Governor, and has been on the SMPTE Board of Editors for 25 years. He has also served on many SMPTE technology committees and was U.S. Representative to the ISO Technical Committee 36 in 1960. As Chair of the Society's Archival Papers and Historical Committee, he has initiated numerous historical presentations at the New York Section meetings. He also initiated, organized and edited 14 historical papers by committee members that have been published in the *Journal*.

A SMPTE Life Fellow, Schuller's accolades include a Citation for Outstanding Service to the Society, which he received in 1997 and the Society Citation in 2005.



Fung

The Citation for Outstanding Service to the Society

This award recognizes individuals for dedicated service to the Society over a sustained period of time. Particular emphasis is placed on service performed at the Section level, including services performed at Section meetings, special Section meetings, and national conferences.

This year's recipients are **Percy Tze Cheong Fung** and **Richard P. May**.

Percy Fung is production director at Digital Magic Ltd. in Hong Kong. He graduated from the department of Industrial Design at Hong Kong Polytechnic in 1974, and has been working on movie effects, since then.



May

Fung has been a member of SMPTE since 1976 and has served as the Hong Kong Section Manager for the past five years. He currently serves as adviser to the Hong Kong Academy of Performance Art, School of Film and Television. He has spent 32 years in the motion imaging industry, as a promoter of digital intermediate processes in filmmaking. Fung has served as seminar speaker to various SMPTE conferences and has written and presented technical papers to the SMPTE China Section. He was recognized as Hong Kong's Digital Entertainment person of the year in 2007.

Richard May's career began in theatrical distribution at Universal's Oklahoma City branch office in 1952. Since then, he has worked at Buena Vista Distribution Co. (Disney), 20th Century Fox, and MetroColor Film Laboratory (MGM). In 1986, the MGM library (including pre-1960 Warner Bros. and all of RKO) was acquired by Turner Entertainment Co. With the requirement to maintain the quality of a massive film library, and his long interest in motion picture history, May remained with Turner as vice president, film preservation, until its merger with Warner Bros. in 1996. He then joined Warner Bros. in the same position until his retirement in 2005. Immediately after retirement, he joined Film Technology Company, Inc., where he is currently employed.

Since 1998, May has served the Hollywood Section in numerous capacities, including Manager, Secretary/Treasurer, and Chair. Following his position as Past Chair, he remained on the board, managing the Section's website and coordinating with facilities hosting the monthly meetings. He was again elected Chair for 2007-2008.

A SMPTE Fellow, May is also a member of the Academy of Motion Picture Arts and Sciences—Member at Large and the Association of Moving Image Archivists.



Basford

The Lou Wolf Memorial Scholarship

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

Matt Basford, the winner of this year's scholarship, is a cinema systems engineer at Regal Entertainment Group, where he plays an active role in the company's transition to digital cinema.

Supporting the technical requirements of Regal Entertainment Group, Basford is active in SMPTE DC28 as a Participating Member of 28.30 Exhibition, Inter-Society Digital Cinema Forum (ISDCF), and the National Association of Theatre Owners (NATO) Digital Cinema Technology Task Force. He holds an associate degree in information technology from Fountainhead College of Technology, where he is currently working toward a bachelor's degree in network security and forensics.



Chan

The SMPTE Student Paper Award

The purpose of this award to recognize the outstanding paper prepared and submitted by a Student Member.

This year's recipient is **Glenn Chan**, for the paper, "Towards Better Chroma Subsampling," which will be published in the *SMPTE Motion Imaging Journal*.

Chan recently graduated from the Radio and Television Arts program at Ryerson University. He is self-taught in image processing and C++ programming. His main interest is in color grading and in developing better color grading tools. Chan is currently working on color grading filters that move beyond traditional color spaces (e.g. HSL, Y'CbCr), and their shortcomings, such as the failure to maintain constant luminance. His goal is to provide more intuitive and novel ways of manipulating color to add life and depth to images.