



2008 HONORS AND AWARDS

The Society presents a number of awards each year, in recognition of outstanding achievement.

THE HONORS AND AWARDS CEREMONY AND RECEPTION, WILL BE HELD ON THURSDAY, OCTOBER 30, 2008, DURING THE ANNUAL TECH CONFERENCE AND EXPO IN HOLLYWOOD, CA.

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.



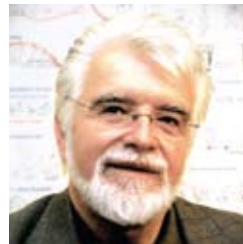
This year's recipient, **BIRNEY DAYTON**, is president and CEO of NVision, Inc. Dayton has been an active participant in the television industry for 40 years and has played a key role in the development of widely used equipment and technologies.

In 1989 Dayton co-founded NVision, Inc., with the goal of building products to support and drive the development of HDTV. In 1998, NVision delivered the first large HDTV routing switcher in the industry and has continued with other industry-leading products.

Over the past 20 years Dayton has also spent considerable time working on industry committees, helping to advance the state of the art. He was involved in the development of SMPTE analog and digital component video standards and was co-chair of the SMPTE High-Definition Electronic Production working group. Dayton also chaired the Systems Analysis working party of the Advisory Committee on Advanced Television Service. Currently he chairs the SMPTE 22TV Technology Committee. Dayton is a SMPTE Fellow and has served two terms as a Governor of the Society. He holds 17 patents.

Eastman Kodak Gold Medal Award

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



The 2008 Eastman Kodak Gold Medal is awarded to **DAVID MASTER** for his many contributions, as an animator and a teacher, developing long-distance video conferencing and online video training programs advancing the educational process of teaching animation to students of all ages.

Master is the founder of ACME Animation, where he currently serves as director. From 1994 to 2000, Master was the director of artist development and training at Warner Bros. Animation, in California and London. Prior to Warner Bros. he was a media, animation, and communications technology teacher at Rowland Unified School District for 17 years. Many of his students successfully transitioned to university film and media programs, while many others now work in professional media careers at all the major studios. Master's students produced over 1,800 films and won more than 900 awards.

Master has been an advisor to a number of prestigious national commissions. He was a founding director of the Los Angeles Student Film Festival and presently serves on the Claremont Graduate University Board of Visitors. He has received many honors for his work.

Technicolor/Herbert T. Kalmus Gold Medal Award

The purpose of this award is to honor the recipient by recognizing outstanding contributions in the development of color films, processing, techniques or equipment useful in making color motion pictures for theater or television use.



The 2008 Technicolor/Herbert T. Kalmus Gold Medal is awarded to **MIKE RYAN** for his outstanding contributions to the development of color negative film products throughout his 22-year career with Kodak, as well as his pioneering work in developing the 2-electron sensitization technology for motion picture film.

Ryan is currently film technology director for Entertainment Imaging at Kodak, where he is responsible for the strategic direction of research and development and commercialization projects supporting the color and black-and-white motion picture film portfolio. Since joining Kodak in 1986, he has been involved in research and development of silver halide technologies for consumer, professional, and motion imaging applications. Before his current assignment, Ryan's responsibilities included emulsion research and project management for the EXR, Vision, Vision2, and Vision3 family of color negative origination films.

Ryan received an Academy Award of Merit (Oscar Statuette) for Vision2 Color Negative Films to the Eastman Kodak Co. He holds one patent.

Samuel L. Warner Memorial Medal Award

The purpose of this award is to honor the individual by recognizing outstanding contributions in the design and development of new and improved methods and/or apparatus for sound-on-film motion pictures, including any step in the process.



SHAWN JONES is the 2008 recipient, for his many years of innovative work focused on the optical negative recording and multiformat digital mastering. Jones has been at the forefront of technology with his most recent project accomplishments of a new laser recording system and the design and construction of NT

Audio's Quality Control Theatre. He is responsible for producing millions of feet of high-quality recordings comprising hundreds of titles. Jones' work at Sony Electronics helped in the development of the SDDS format, and he received a patent for his contributions.

In 2006, together with other Dye Track Committee members, he was awarded an Academy Award of Commendation for their contributions to the environmentally responsible industry conversion from silver-based to cyan dye analog soundtracks. Jones holds a bachelors degree from UCLA and is an active member of SMPTE and the Academy of Motion Pictures Arts and Sciences (AMPAS).

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, Journal Certificates of Merit are awarded for the next highest rated paper(s) appearing in the *Journal* in the preceding calendar year.

Richard B. Wheeler and **Nestor M. Rodriguez** are this year's Journal award recipients, for the paper, "The Effect of Single-Sensor CFA Captures on Images Intended for Motion Picture and TV Applications," published in the October 2007 issue of the *SMPTE Motion Imaging Journal*.



RICHARD B. WHEELER is a senior principal scientist at Eastman Kodak Co. He received a B.S. degree in chemistry and systems engineering from the Rochester Institute of Technology. He holds 18 U.S. patents in camera autofocus and exposure control systems, chemical and digital image processing, and image-quality modeling. He co-authored chapters in the *Handbook of Image Quality: Characterization and Prediction*, and has taught various courses on this topic. Wheeler's current work focuses on optimizing the design of DI systems for motion picture and television applications.



NESTOR M. RODRIGUEZ is a senior technical associate at Eastman Kodak, having over 30 years of experience in both film and hardware imaging technology in the company's research, development, manufacturing, and marketing organizations. He currently works in Kodak's Entertainment Imaging Division

R&D group, leading technical teams in the development of digital technology/products for motion picture and TV image origination, including image science methodology for digital post-production. Rodriguez has over 12 patents (or pending). His most recent projects included the development of an electronic digital camera/processor prototype system in which the images emulated the image capture capability/look of camera film and the development of Kodak Vision2 HD system for digital film. Rodriguez is currently working on image-processing solutions for the DI workflow. He is the editor and co-author of the Radiometry and Photometry chapter in the *Handbook of Photographic Science and Engineering*.

Journal Certificate

Journal Certificates of Merit will be presented to **Tomlinson Holman** for the paper "Cinema Electro-Acoustic Quality Redux," published in the May/June 2007 issue of the *Journal*; **Paul W. Jones** for the paper, "Efficient JPEG 2000 VBR Compression with True Constant Perceived Quality," published in the July/August 2007 issue of the *Journal*; and **Thomas O. Maier**, "Color Processing for Digital Cinema," Parts 1 to 6, published in the October 2007, Nov/Dec. 2007, Jan/Feb. 2008, and May/June 2008 issues of the *Journal*.



TOMLINSON HOLMAN is a professor at the University of Southern California, where he teaches in the School of Cinematic Arts and does research in the Viterbi School of Engineering. He is also a consultant (TMH Corp.) and writes for the post-production and consumer electronics industries. With Audyssey Labo-



ratories he works on problems of loudspeaker/room equalization, loudness compensation, and translating the experience of the cinema to the home.

Holman holds six U.S. patents. He is a Fellow of the Audio Engineering Society (AES), the British Kinematograph Sound & Television Society (BKSTS), the Institute of Electrical and Electronics Engineers (IEEE), SMPTE, and the World Technology Network. He has lifetime achievement awards from the Cinema Audio Society (CAS) and the Custom Electronics Design and Installation Association. Holman is the recipient of the Samuel L. Warner Memorial Award and Eastman Kodak Gold Medal from SMPTE. He is the author of three books, *Sound for Film and Television*, *Surround Sound Up and Running*, and *Sound for Digital Video*.



PAUL W. JONES is a co-founder of Certifi Media Inc., a technology start-up company that provides tools for quality monitoring and securing of image digitization workflows. He was previously a senior principal scientist at Eastman Kodak Co. for 23 years, where he developed digital image processing solutions

for still-frame and video applications, primarily focusing on image compression and watermarking. He holds 29 patents in those fields and was a co-recipient of the 2005 C.E.K. Mees Award for his work on image watermarking.

Jones is co-author of the textbook *Digital Image Compression Techniques*, as well as several book chapters on compression, and he has taught various courses on this topic. He was a 2007 SMPTE Journal Award co-recipient for the paper, "Aliasing and Reconstruction Distortion in Digital Intermediates." Jones is a member of IEEE and the Society of Imaging Science & Technology (IS&T).



TOM MAIER is a Research Fellow in the Entertainment Imaging Business Unit of Eastman Kodak Co. During his 38-year career at Kodak he 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 Engineering Guideline, SMPTE 432-1-2007, Digital Source Processing—Color Processing for D-Cinema. Maier was previously honored with the SMPTE Journal award in 2004 and a Journal award in 2007. He is a Fellow of SMPTE.

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 **Patricia Keighley** and **Harold Miller**.



PATRICIA KEIGHLEY is co-founder, vice president, general manager at DKP 70MM Inc., an IMAX Company. Based in Santa Monica, CA, DKP has been involved in the film and digital post-production of more than 215 large-format films over the past three decades.

An active member of SMPTE, Keighley is currently the Hollywood Region Governor. She served two consecutive terms as Hollywood Section Chair (2005-2007) and has served as General Arrangements Vice Chair for SMPTE Technical Conferences (2006). Keighley also served as Hollywood Secretary/Treasurer (2004-2005) and Section Manager (2003-2004).

Keighley is secretary of the Giant Screen Cinema Association where she chairs the Conference Committee and Technical Session and is coordinator of the Digital Education session. She is also the multi-year producer of the annual Gala Awards Evening and Kodak Vision Award Program, as well as Films-in-Production and Films-in-Development Chair.



HAROLD MILLER began his career at Bell and Howell in 1960, where he worked in various positions, including chief engineer and manager of the consumer product test lab, working on the development of cameras projectors, and motion picture printers. He later joined CBS/Fox as manager of quality assurance

until the company was purchased by Technicolor Video in 1998. Miller retired from Technicolor in 1992 and worked as a consultant following his retirement, until 2007.

A Life Member of SMPTE, Miller has been actively involved in the Society for more than 30 years, serving in the Chicago Section from 1960 to 1986. He then joined the Detroit Section, serving most recently as Secretary/Treasurer (2007-2008). He also served as Membership Chair (2005-2008), Manager (2004-2008), Test Material Advisor (1998-2008), and Governor (1997-1998).

Miller received a citation from the Motion Picture Association of America (MPAA) for "outstanding achievement in the investigation and prosecution in film and video piracy."

The Society Citation

This Society Citation award recognizes individuals or companies who have actively been involved in specific Society engineering or editorial functions.

This year's recipients are **Stanley N. Baron** and **Christopher Lennon**.



STANLEY BARON has made innumerable contributions to SMPTE, most recently including his extensive work in reviewing all papers from each year's IBC conference, and recommending a core group of outstanding papers for publication in the *Journal*.

Baron retired in 1998 as managing director, television technology for the National Broadcasting Co. (NBC). He was involved in the design and development of digital television systems for more than four decades. In 1966, Baron invented Vidifont, the first commercially-available digital graphics generator used in television production. In 1980 he described a digital sampling structure and equipment interface for television, which was adopted as SMPTE 125 and later as the foundation for HDTV.

Baron received the David Sarnoff Medal (1991), the National Association of Broadcasters Television Engineering Achievement Award (1993), and the SMPTE Progress Gold Medal (2003). His work has

also been recognized with Technical Emmy Awards from The National Academy of Television Arts and Sciences.

Baron is a past-president of SMPTE. He also served two terms as SMPTE Engineering Vice President. He is an Honorary Member and Fellow of the Royal Television Society and a Fellow of SMPTE, IEEE, and BKSTS.



CHRISTOPHER LENNON has worked in the broadcasting industry for over 25 years. He is currently director of integration and standards at Harris Corp. He began his broadcasting career at CHCH-TV in Hamilton, Ontario, Canada, where he designed and developed custom PC-based software systems across a variety of

operational areas. Since moving to the vendor side of the business in the early 1990s, he has managed a wide array of products and led several large-scale projects at broadcast facilities around the world. Lennon is Chair of SMPTE's 32NF BXF Working Group.

Lennon is an active participant in the Advanced Television Systems Committee (ATSC), where he was one of the early instigators of the effort that became Programming Metadata Communications Protocol (PMCP), enabling PSIP-related data to flow between broadcast systems. Lennon also chairs the ATSC's PC-7 Working Group, which is focused on improving interoperability among PSIP-related systems.

The UTAH-400 Router Gives You The Power

When you get your hands on a UTAH-400, you've got all the routing power you'll ever need.

The Utah Scientific family of routers is so powerful, with so many frame choices, you can build the perfect-sized system for your application and budget.

Power at hand for as many signals as you want, in whatever formats you throw at it, up to and including 3-Gb data rates, and internal conversion on inputs and outputs as needed.

Yet the real power is in the reliability. With multiple redundancy options, round-the-clock support, and the best warranty in the business, you can't get a more solid system.

On the other hand, it's also flexible, expandable, and affordable. Contact us today and we'll spec a UTAH-400 that's just right for you.

Note: while the UTAH-400 offers more power to broadcasters, as an extra bonus, it actually consumes 25% less energy than similar systems, providing cooler, cleaner, and less-expensive operation.

The Best In The Business

www.utahscientific.com



US Utah Scientific