PRESS RELEASE

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TELEVISION ACADEMY ANNOUNCES RECIPIENTS OF 74th ENGINEERING, SCIENCE & TECHNOLOGY EMMY® AWARDS

Sept. 28 Ceremony to be Hosted by *Criminal Minds'* Kirsten Vangsness

(LOS ANGELES — July 28, 2022) — The Television Academy today announced the recipients of the **74th Engineering, Science & Technology Emmy® Awards** honoring an individual, company or organization for developments in broadcast technology.

Kirsten Vangsness, who starred for 15 seasons on the critically acclaimed CBS drama *Criminal Minds* and is starring in the upcoming 16th season of the series for Paramount+, returns to host the awards for the seventh consecutive year on **Wednesday, Sept. 28, 2022**.

"Innovation is a vital part of television production; and the talented engineers, scientists and technologists we have recognized are essential to the growth of our industry," said Frank Scherma, chairman and CEO of the Television Academy. "These pioneering companies and visionaries have leveraged the power of technology to elevate television and storytelling in fundamental ways."

"Earlier this year the Academy formed the Science & Technology Peer Group representing members who are involved in the strategy and development of technologies that enable or advance the storytelling process for the television industry," said Committee Chair John Leverence. "Under the leadership of the new peer group's governors and co-chairs Wendy Aylsworth and Barry Zegel, this year's newly constituted Engineering Emmy Awards Committee honors a wide range of innovative solutions to once seemingly intractable technical problems."

The Engineering, Science & Technology Emmys are made possible by Television Academy sponsors Kia America, FIJI Water, Franciacorta, JUSTIN Vineyards & Winery, Ketel One Vodka, PEOPLE and United Airlines.

The following is a list of awards and recipients to be recognized:

The Charles F. Jenkins Lifetime Achievement Award
Honors a living individual whose ongoing contributions have significantly affected the state of television technology and engineering.

Recipient: Dr. Paul E. Debevec

Paul Debevec is awarded the 2022 Charles F. Jenkins Lifetime Achievement Award for his groundbreaking work in high dynamic range imaging, image-based lighting and photogrammetry, essential techniques used in computer graphics for VFX and Virtual Production.

Debevec's pioneering work makes it possible to record and reproduce the light of real scenes to illuminate virtual scenes and vice versa.

High dynamic range imagery is a mainstay of computer graphics and combined with image-based lighting, has enabled realistic integration of existing live-action lighting in computer-rendered images. These tools and concepts are now a standard within the VFX industry for rendering. The concepts and the innovative use of LED lighting Paul pioneered with the Light Stage have further laid the groundwork for the use of LED lighting in virtual production, which has seen a rapid growth as a tool for lighting actors on virtual stages.

The Philo T. Farnsworth Corporate Achievement Award
Honors an agency, company or institution whose contributions over time have significantly impacted television technology and engineering.

Recipient: ARRI

ARRI is awarded The Philo T. Farnsworth Corporate Achievement Award for its more than a century of designing and manufacturing camera and lighting systems as well as systemic technological solutions and service networks for a worldwide complex of film, broadcast and media industries.

Industry professionals have long relied on the stability and versatility of ARRI equipment in a portfolio that includes digital cameras, lenses, camera accessories, archive technologies, lamp heads and lighting accessories. Along with offering exclusive technologies, ARRI Rental's services and equipment provide camera, lighting and grip packages to professional productions here and abroad.

ARRI cameras have connected the creativity and technology that have made filmed entertainment the premier medium of our time. Dedicated to maintaining its place in the forefront of the development of future technologies for the capture of moving images, ARRI has been at it for 100+ years … and counting.

Engineering Emmys
Presented to an individual, company or organization for developments in engineering that are either so extensive an improvement on existing methods or so innovative in nature that they materially affect the production, recording, transmission or reception of television.

This year's seven (7) Engineering Emmy recipients are:

Recipients: Mark Hills and Marc Bakos for the Cleanfeed remote audio review/recording system

Cleanfeed is a high-fidelity "conference call" software as a service with a focus on audio production. It enables collaboration with audio-quality equivalent to all participants being together in the same studio and with low latencies for smooth interaction between talent. Cleanfeed's innovative technology has advanced workflows in the industry, including being accessible to at-home engineers and talent who use a straightforward link in their web browser to enable full-scale TV and film post-production.

For more information, please visit cleanfeed.net.

Recipient: disguise Systems Ltd. for the disguise platform

The disguise platform is an advancement in image processing that incorporates elements of video playback and real-time technology to improve interaction between computer graphic elements, digital images and environments, physical actors, props, and practical sets. The combination of the disguise platform with LED walls and camera tracking enables real lighting information on actors (and real objects), support for reflective and refractive props, more natural shot lineups, and a production environment where creative decisions can be made quickly and with improved collaboration. Utilizing real-time 3D visualization-based software and robust hardware, the tools in the disguise platform seamlessly integrate and direct an array of technologies including camera tracking and real-time content engines that incorporate analog physical space into a virtual digital world.

For more information, please visit disguise.one.

Recipient: Industrial Light & Magic for the StageCraft virtual production tool suite

ILM StageCraft is an end-to-end virtual production tool suite that bridges the gap between practical physical production methodologies and traditional digital post-production visual effects by providing the ability to design, scout and light environments in advance of the shoot and then capture that vision in camera during principal photography. StageCraft brings together a real-time engine, a real-time renderer, high-quality color management, physical camera equipment, LED displays, motion-capture technologies, synchronization methodologies and tailored on-set user interfaces to digitally create the illusion of 3D backgrounds for live-action sets.

For more information, please visit ilm.com.

Recipients: Geoffrey Crawshaw and William Brinkley for the Leostream remote access software

Leostream's remote access and desktop connection management software enables news and entertainment organizations to create security-conscious remote production environments that are sustainable, performant and cost-effective. Its ability to mix and manage on-premises and cloud-based hosting platforms and support for multiple high-performance display protocols ensures the productivity of editors and production engineers, while simplifying IT. The ability to manage disparate technologies from a single management and access platform is a uniquely Leostream construct that enables organizations to advance the state of the art of their entire hosted desktop environment with an eye on integrating new technologies as they come to market.

For more information, please visit leostream.com.

Recipient: Shure Incorporated for the Axient® Digital wireless audio system

The Shure Axient® Digital Wireless System equips audio production teams with the wireless capabilities necessary to deliver transparent, true, artifact-free audio for television and television broadcasts with the highest-performance RF (radio frequency), exceptional audio quality, command and control, and hardware scalability necessary to tell stories seamlessly on the most demanding sets in the world.

For more information, please visit shure.com.

Recipient: Sohonet for the ClearView Pivot remote collaboration tool

Sohonet's ClearView Pivot is a real-time remote collaboration tool with the flexibility to connect creative users at the click of a button, allowing the user to stream color and frame-accurate footage in 4K HDR, 12-bit color depth and 4:4:4 chroma sampling in real time with ultra-low latency. From a single web interface (and without having to set up new firewall configurations for each usage), ClearView is able to efficiently connect numerous participants for multi-point review sessions.

For more information, please visit sohonet.com.

Recipients: Stype Cajic, Andrija Cajic, Daniel Kruselj and Ivica Antolkovic for the stYpe suite of optical/camera tracking tools

The stYpe suite of optical/tracking tools includes the first bolt-on mechanical tracking kit for camera cranes (StypeKit) that was used to retrofit existing cranes and transform them to virtual production cranes (complete with lens data delivered to an ethernet interface), resulting in the simplification of setup procedures and implementation of lens calibration procedures that eliminated graphics drift and, with the introduction of auto-aiming functionality, made VR shots smoother. Additionally, its optical-camera tracking system (RedSpy) produces a point cloud marker system used to calculate the position of the camera, which, in conjunction

with StypeKit's crane tracking, satisfies the most demanding needs of live productions.

For more information, please visit stype.tv.

About the Television Academy
The Television Academy strives to shape and advance the dynamic television landscape and advocate for the global television industry capturing the zeitgeist of a new generation of entertainment. Through its innovative programs, publications and events, the Academy and its Foundation endeavors to foster and empower the diverse community of storytellers fueling the medium while celebrating those who have excelled in the industry, recognizing their achievements through awards and accolades, including the coveted Primetime Emmy® Award. For more information, please visit TelevisionAcademy.com.

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