



International Test and Evaluation Association

2020 Technical Achievement Award

presented to

The John Akers Global Positioning System Solution Team

The John Akers Global Positioning System Solution (JAGS) team distinguished themselves from 8 November 2019 to 6 May 2020 in developing, installing, and testing a highly accurate and affordable TSPI system, able to score missile flight tests against aerial targets. The team responded to an urgent need from a high priority weapon system to develop an expendable, low cost TSPI solution increasing accuracy by 85% through telemetry integrated with the Gulf Range Infrastructure and full-scale aerial targets. With cost savings of \$4 million and 9 months ahead of schedule, the JAGS team accomplished concept development, detailed design, flight test, and air worthiness certification to deliver JAGS early, enabling real-time scoring capability of a high-profile missile system's developmental test, exceeding the customer's requirements. JAGS provided the Eglin Gulf Test and Training Range real-time TSPI scoring capability for new weapons technology that current scoring systems could not accommodate. The team proved the innovative use of existing technology, integrated with current Air Force platforms can provide improved capability for the weapons of the future.



International Test and Evaluation Association

2020 Special Achievement Award

presented to

KC-46A Operational Test Team

The KC-46A Operational Test Team is presented this Special Achievement Award for innovative approaches, practices, and management processes applied while executing the KC-46A Initial Operational Test and Evaluation from July 1, 2019 to June 30, 2020. As a vanguard in global reach innovation, the \$52 billion KC-46A program will significantly increase air refueling, aeromedical evacuation, airlift, and survivability across the spectrum of military operations. To expedite real-time operational test results, the test team pioneered an adaptive and agile test approach to deliver multiple platform firsts including cybersecurity and Aeromedical Evacuation testing, as well as passenger and international cargo transport testing. Moreover, AFOTEC's early involvement and innovative approaches to air refueling testing led to the identification of acute Remote Vision System deficiencies and through collaboration with the Air Force Research Laboratory, drove a vendor-funded \$551 million correction. Additionally, the test team identified systemic cargo loading shortfalls and, as part of the contractor advisory board, designed new methodologies to reduce load times by 66%. Finally, the test team achieved strategic stakeholder involvement in 38 system recommendations across key performance parameters by pioneering a groundbreaking continuous reporting process, increasing speed and information fidelity to key decision makers by 360%. ITEA proudly recognizes this outstanding team and their outstanding accomplishments.



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2020 Richard G. Cross Award

presented to

Terry Murphy

The Cross Award was established in honor of the late Major General Richard G. Cross, Jr., USAF (Ret), one of the most highly respected individuals in the field of T&E in the 20th century. ITEA presents this award to recognize outstanding achievements in the development or administration of T&E education. ITEA recognizes Mr. Terry Murphy for his exceptional efforts leading to a complete overhaul of the T&E workforce development program at the Department of Homeland Security. He converted the Department's initial test and evaluation training program modeled on a Department of Defense curriculum to a program more suited to Department of Homeland Security goals and policy. Mr. Murphy's efforts have led to the increase in certified T&E professionals, who are trained in DHS T&E relevant policy and specialties within T&E such as reliability, STAT and agile development. This trained workforce has been a contributor to the increase in successful T&E outcomes within DHS, resulting in the fielding of effective, suitable and resilient solutions to protect the homeland. Mr. Murphy's efforts reflect great credit upon himself, the Office of Test and Evaluation and the Department of Homeland Security.



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2020 Dr. Wilson N. Felder II

Junior Achiever Award

presented to

Rigel Ifland

Mr. Rigel Ifland has exhibited unparalleled innovation, initiative, and ability in the adaptation and adoption of new technologies that positively impact the Test and Evaluation community. He has introduced new software tools that increase the fidelity, depth, and rigor of data analysis while concurrently decreasing inefficiencies in data analysis processes and procedures. As a result, stakeholders receive high quality objective evidence to make risk-based decisions and in turn, can provide superior support the Fleet. ITEA is pleased to recognize Mr. Ifland in his new role in the T&E profession for his outstanding accomplishments and significant achievements that enhanced and strengthened the T&E profession.



International Test and Evaluation Association

2020 Publication Award

presented to

Dr. Ya Lun Li

Dr. Li's article, "Model-Based Systems and Test Engineering using System Mission-Oriented Design of Experiment Approach" published in the September 2019 issue of The Journal of Test and Evaluation is a great illustration of how interdisciplinary fields of research are needed to solve complex test and evaluation challenges. Dr. Li identifies the disconnects between requirements-based T&E and mission-based systems engineering (MBSE). Using innovative graphics and clear analytical processes, Dr. Li provides 4 steps connecting design of experiments test approach to MBSE. His illustrative example shows the value of the approach, which culminates in compelling contour plots that allow for mission capability assessment. The Journal of Test and Evaluation is the premier publication for the Test and Evaluation industry and ITEA is proud to recognize Dr. Li with this year's Publication Award.



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The 2020 Allen R. Matthews Award

presented to

Bernard (Chip) Ferguson

Mr. Bernard “Chip” Ferguson has dedicated over 30 years of his career at the forefront of improving Test and Evaluation (T&E) through engineering, procedural, organizational, and policy solutions for rigorous systems test and evaluation, enhancing national security through soldier and weapons systems operability. His leadership in implementing these concrete, actionable solutions to T&E challenges has shaped the breadth of the T&E community, including contractor support to technical and personnel solutions for financial systems planning, programming, and budgeting; Major Ranges and Test Facilities Base (MRTFB) management and oversight; expanded use and support of the Joint Test and Evaluation Program, spawning numerous solutions to Joint Operations with the data to provide confidence in execution; standing up the Joint Mission Environment Test Capability (JMETC) for classified, distributed T&E across the national test ranges; operationalization of the National Cyber Range (NCRC) for sustained DoD use; and standing up of the office of Executive Agent for Cyber Ranges, as its founding Deputy. Chip Ferguson has led the T&E community through creative solutions to numerous challenges, and his impact will be treasured far into the future. ITEA is proud to recognize Chip Ferguson with this lifetime achievement award.



International Test and Evaluation Association

2020 President's Award

presented to

Jeong Min Kim

Min Kim has been making a positive impact on ITEA and its membership for several years. As past president of the Emerald Coast Chapter, Min was instrumental in bringing the ITEA Cyber Workshop to Eglin in 2018 and continues to lead her team of volunteers as they plan and execute this highly successful event. Motivated to make a positive impact on the T&E community, she was responsible for creating a new Lunch and Learn Series to serve the ITEA membership and benefit the T&E community. Her innovative concept generates a broader audience – grows ITEA; promotes T&E education – aligns with the mission of ITEA; and builds enthusiasm for the community – bringing ITEA into the future. It is my distinct honor to recognize Jeong Min Kim as the recipient of the 2020 ITEA President's Award.



International Test and Evaluation Association

2020 Board of Directors Award

presented to

Eileen A. Bjorkman, PhD.

A lifetime member of ITEA, Dr. Eileen Bjorkman has contributed her time and skills generously and effectively to our Association and has been a mainstay in its growth, development, goals, and mission. Most recently, her term as Treasurer was distinguished by a long overdue analysis and overhaul of ITEA's financial management structure. Dr. Bjorkman was instrumental in identifying numerous improvements in the financial controls and was the driving force in updating ITEA's accounting system to provide more insight into revenues and expenses over time for ascertaining the impact of financial results from ITEA events, tracking understanding ITEA's financial position, and managing the cash flow in ITEA. After completing her term as Treasurer, Dr. Bjorkman served as Chair of the Ways and Means Committee to continue the financial rehabilitation of ITEA. Her service on the Board is ending this year but ITEA will be indebted to Dr. Bjorkman for years to come. Her persistent leadership and dedication have been instrumental in securing the future of ITEA. It is with great pleasure that the Board of Directors recognize Dr. Eileen Bjorkman for her outstanding contributions to ITEA.



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2020 Energizer Award

presented to

Danielle Kauffman

As a relatively new member at ITEA, Danielle Kauffman has earned the Energizer Award for her behind the scenes work on the ITEA Journal of Test and Evaluation. Whenever needed, Danielle quickly helps the Journal Committee with creative flair. With tough deadlines and constant need for information, Danielle is always ready and always has an answer. Her fresh and innovative ideas will help launch the Journal into the new phases for 2021 and beyond. ITEA is proud to recognize Danielle Kauffman for all of her efforts.