



International Test and Evaluation Association

2022 Technical Achievement Award

presented to

Life Support System Scientific Test Analysis and Qualification Team

For developing and employing innovative uses of automated laboratory technology in life support systems testing that increased information to the T&E customer, we present the Life Support System Scientific Test Analysis and Qualification Lab Team with the ITEA Technical Achievement Award. This multi-disciplinary and multi-organizational team was instrumental in the development of an innovative methodology and use of modern technology that revolutionized the Department of Defense On-Board Oxygen Generating Systems qualification testing. In December 2021, after developing novel automated technology and building a lab specifically to incorporate it, the team accomplished the most comprehensive unmanned testing of these systems to-date—all without increasing cost or lengthening the schedule. This directly led to a better understanding of system performance, increasing both the information collected and the customer confidence in system performance. The dedication to innovation, commitment to eliciting the maximum amount of information from testing, and ability to work within a program's schedule and budget have shown the team to be worthy of this award.



International Test and Evaluation Association

2022 Special Achievement Award

presented to

Russell Kupferer

Mr. Kupferer provided exceptional benefit to the U.S. Navy with his support in the highly successful completion of full ship shock trials on the USS Gerald R. Ford (CVN 78) aircraft carrier from June 2021 to August 2021. The shock trials, which included three shock events of increasing magnitude, will improve wartime survivability of the Ford-class aircraft carriers with crews of over 5,000 personnel each. The shock trials were the most extensive on any Navy platform in recent history, requiring approximately 190 testers to execute and accurately document all effects. Mr. Kupferer led all DOT&E efforts in the shock trials execution, providing exceptional oversight of a 900-page test plan. His onboard presence, leadership, and guidance throughout all of the shock events and months of post-mission analysis directly led to the team's success. Through his exceptional efforts and dedication, the lessons learned and best practices from this substantive major platform testing will serve as the standard for future shock trials in the maritime services. ITEA is proud to recognize Mr. Kupferer with the Special Achievement Award.



International Test and Evaluation Association

2022 Richard G. Cross Award

presented to

Robert B. Barthelmes, Jr.

The 2022 International Test and Evaluation Association Richard G. Cross Award is presented to Mr. Robert B. Barthelmes of the United States Naval Test Pilot School for exceptional achievements in Test and Evaluation education. Throughout the past year as Chief Flight Instructor, Mr. Barthelmes led the rigorous flight course of instruction to train 59 test pilots, flight officers, and engineers enrolled in the 11-month curriculum and delivered classroom instruction to 107 personnel enrolled in flight test short courses. He developed and conducted a comprehensive survey of Developmental Test Leadership to identify future skills required of United States Naval Test Pilot School graduates and implemented curriculum changes to address these emerging skill gaps. Throughout his more than 11 years in Test and Evaluation education, he has played a direct role in transforming more than 800 experienced pilots, flight officers, and engineers into critical thinking Test and Evaluation professionals essential to the successful execution of complex developmental test programs supporting the delivery of enhanced capabilities to warfighters. Mr. Barthelmes' contributions to the education, professional development, and mentoring of flight Test and Evaluation personnel exemplify the highest ideals represented by the International Test and Evaluation Association and the Major General Richard G. Cross Award



International Test and Evaluation Association

2022 Dr. Wilson N. Felder II

Early Career Achievement Award

presented to

Andrew “AJ” Rasure

This International Test and Evaluation Association, Dr. Wilson N. Felder, II Early Career Achievement Award is granted to Mr. Andrew “AJ” Rasure for enhancing the community approach to testing and analysis through rapid and innovative Tableau-based tool development. Cultivating this tool and identifying opportunities for extensibility across different projects resulted in cost and schedule efficiencies. It provides a faster and easier way to perform research and data analysis during a period of program modernization. Through his work, Mr. Rasure also provided critical skills development and coaching to other new members of the test and evaluation workforce at Naval Surface Warfare Center, Dahlgren Division.



International Test and Evaluation Association

2022 Publication Award

presented to

Aaron Hendrickson

For recognition as a technical expert in the area of optical systems and contributions to the body of knowledge on photographic technology and scientific image capture. His research has improved optical-related test and evaluation instruments used across DoD. He has applied his expertise to testing high-speed, infrared, and other specialized cameras to improve the quality of data products. His publications continue to investigate and derive the centralized inverse-Fano distribution; develop an improved minimum variance estimator for the photon transfer conversion gain measurement; refine a generalized approach to the photon transfer technique; and apply methods in complex analysis to derive the Cauchy principal. He is sought out for his expertise by other authorities in the field and has collaborated with noted imaging and optical scientists and engineers on his research—from academia and across DoD. His research and subsequent publications have increased the general body of knowledge relevant to image capture technology and greatly improved DoD test and evaluation.



International Test and Evaluation Association

The 2022 Allen R. Matthews Award

presented to

Dr. Darryl K. Ahner, PE

For a lasting and significant contribution to test and evaluation, we present Dr. Darryl Ahner, Dean for Research at the Air Force Institute of Technology, with the Allen R. Matthews Award. Over the past 10 years of service to the community, Dr. Ahner has impacted the field with founding the Scientific Test and Analysis Techniques Center of Excellence, his mentorship as a professor, and his commitment to the profession, seen in his roles in professional societies like this Association. Under Dr. Ahner's leadership, the Center has saved Department of Defense and Department of Homeland Security organizations over \$232 million in costs and trained over 1,000 professionals. Additionally, the Center published 102 best practices and case studies, many of which are publicly available and collectively have been downloaded over five thousand times per month. Finally, Dr. Ahner assisted with the Certified Test and Evaluation Professional credential, developing the framework and contributing numerous questions to the exam. His dedication to the test and evaluation community has shown him to be worthy of this award named to honor the legacy of the founder of this Association.



International Test and Evaluation Association

2022 President's Award

presented to

Dr Adrian 'Ade' Britton

Dr Adrian (Ade) Britton has been an active member of ITEA and has served as president of the Western Europe Chapter since 2014. Ade's commitment to this organization has been outstanding and this past year, under my term as president, I witnessed how he tirelessly ensured that the "I" in ITEA was upheld and highlighted during our 2021 and 2022 annual symposia. Ade was one of the key contributors to the success of the ITEA's virtual symposium last year and his recommendations and follow-through to bring speakers and technical presenters to the program proved quite successful for ITEA. His passion for test and evaluation in his career with Qinetiq only further strengthens his commitment to the future workforce in the United Kingdom. Due to his volunteering efforts, he was responsible for his Chapter to receive a scholarship for their local High School's STEM program. The time difference never seemed to be an issue with Ade as he called in to participate in planning meetings, Board meetings representing his Chapter, and answering emails during all times of the day and night. It gives me great pleasure to present the President's award to a man whose positive attitude and professionalism inspires others within the association.



International Test and Evaluation Association

2022 Board of Directors Award

presented to

Peter R. Christensen

Each year the ITEA leadership selects an individual who has contributed to the growth, development, and mission of the association. During the past year, as Chairman of the Professional Development committee, Mr. Pete Christensen has led a team of volunteers as they overhauled ITEA's T&E certification. This significant undertaking led to the successful launch of our new two-tiered program. He also initiated a strategy to bring the ITEA technical courses to the Ranges, our industry partners, and the T&E community at large. Pete, while retired, is an educator, a consultant in the T&E community, and provides ITEA outstanding leadership in the growth of our educational programs. It is our pleasure to present Mr. Pete Christensen with the 2022 ITEA Board of Directors Award.



International Test and Evaluation Association

2022 Energizer Award

presented to

Shelby L. Pearce

Recognized as our “behind the scenes” volunteer, Shelby Pearce’s contributions over the past year have supported the Test and Evaluation community and this Association. Never hosting a workshop in her career and then taking on the responsibility of chairing the Cybersecurity Workshop, being held this October, was a challenge accepted by Shelby early in the process. Her leadership skills along with her positive energy inspired her team of volunteers to work along side her as she cultivated a technical program that has gained momentum and will surely be highly successful. Her efforts and service to the Association permit her Chapter to reap the benefit of additional scholarship dollars to be awarded to local students in the engineering field, thereby enabling visibility into the future T&E workforce. We are proud to recognize Shelby Pearce for her role, behind the scenes, in ITEA.