



**Our mission is to advance the field of
Test and Evaluation worldwide
in government, industry and academia.**

The 2010 ITEA Annual Test and Evaluation Professional Awards

ALLEN R. MATTHEWS AWARD



James J. Streilein, Ph.D., Headquarters, Army Test and Evaluation Command

The *Allen R. Matthews Award* was established in honor of ITEA's founder. The award is presented to an individual for a lasting, significant contribution to the field of T&E, such as the cumulative effect of a distinguished career. It is the highest award bestowed by ITEA.

Dr. James J. Streilein was cited for a distinguished career in test and evaluation during which he made significant and lasting advances in the quality and efficiency of test procedures and analysis. Over a period of 40 years he formulated, practiced, led, and mentored in virtually every critical improvement in Army test and evaluation of weaponry and other materiel systems. As one of the most respected members of the reliability, availability, and maintainability community, he has been pivotal in improving state-of-the-art test engineering.

As an innovator and leader in Army analysis, he has been a key driver in the introduction and refinement of many of the analytic processes underlying evaluation. As a director of increasingly higher level analysis, test, and evaluation organizations up to and including the Army Test and Evaluation Command, he has been and continues to be the mentor and inspiration for the thousands of practicing professionals in Army test and evaluation. Dr. Streilein is a recognized expert and advisor to other military services, the Department of Defense, and the entire international test and evaluation community.

BOARD OF DIRECTORS AWARD

Dr. J. Michael Barton

The Board of Directors Award, established in 1997, is presented to an individual who has contributed to the growth, development, goals, and mission of the Association.

It is with great pride that ITEA recognized Dr. J. Michael Barton for his years of service as Chair of the ITEA Publications Committee. Among his many contributions to the committee and the ITEA community at large, Dr. Barton: Restructured the Committee and actively revamped the volunteer composition to include diversity representation; Focused major effort on expanding content to non-traditional T&E topics outside of our typical membership perimeters; Spearheaded the decision to outsource the publication of *The ITEA Journal* and its managing editing, thus providing the Association with significant annual expense savings; Was instrumental in developing an improved look for *The ITEA Journal*; and, established the concept of recognizing contributing cover art work for the Journal by sending contributing partners a framed copy of the issue featuring the cover art.

Dr. Barton works tirelessly to improve the Journal, with little fanfare and need for recognition, has never missed the scheduling of the quarter publications meetings, and is an amazing taskmaster at pulling together dozens of contributing authors for each issue and reviewing their contributions, while always working on the next issue. Dr. Barton's work ethic and volunteer efforts are exemplary and the ITEA Board of Directors wishes to acknowledge his dedication to this Association.

PRESIDENT'S AWARD



Mr. Michael Schall, Quadelta, Inc.

The President's Award was established in 1996 to give the president of ITEA the prerogative of acknowledging individuals whom he or she deems worthy of recognition.

It is with great pride that ITEA recognized Mr. Michael Schall for his over twenty years of outstanding service as a member of the Association. Currently serving as the Chair of the Ways & Means Committee and as a member of the Revenue Action team, Michael previously served as Chair of the Executive Director Search Committee and the Corporate Development Committee.

As President of Quadelta, Inc., a veteran owned, small business ITEA Corporate Member, he has ensured that Quadelta has been a strong corporate supporter of ITEA. Mike continues to dedicate his valuable time and efforts to ensure that ITEA maintains its position as the premier Association for the Test and Evaluation community.

ENERGIZER AWARD



Mrs. Cathy Pritts, Developmental Test and Evaluation (formerly USA Developmental Test Command)

The Energizer Award recognizes the "behind the scenes" volunteer contributions that have supported the Test and Evaluation community and/or member organizations.

The Energizer Award was presented to Mrs. Cathy Pritts for exemplary performance and outstanding achievement during the period May 2000 through August 2010, while serving as a member of the Francis Scott Key (FSK) Chapter of the International Test and Evaluation Association. Mrs. Pritts embodies the tenets of the "Energizer Award" through her vigorous support to local and National level ITEA events; to improving information exchange and networking opportunities by teaming with the Armed Forces Communications and Electronics Association (AFCEA); to emphasizing careers in Test and Evaluation not only through the scholarship program but through assistance with internships; to the acquisition of senior level speakers of FSK Chapter luncheons.

If there is something the Chapter needs Mrs. Pritts is there to support. Mrs. Pritts' cooperation, dedication, and professionalism reflect greatly upon herself, the Francis Scott Key Chapter, and the International Test and Evaluation Association.

PUBLICATION AWARD



Mr. Rick Dove, Kennen Technologies

The *Publication Award* recognizes outstanding contributions to test and evaluation literature. ITEA presents this award to honor individuals whose published books and technical papers have improved and increased the general body of knowledge relevant to better understanding and development of test and evaluation technology. The literary works considered may be broad in scope or may address a single functional area that is included under the test and evaluation umbrella.

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The Publications Award was presented to Mr. Rick Dove for his outstanding contribution to the written body of knowledge and understanding in Test and Evaluation as the author of the two-part article, "Paths for Peer Behavior Monitoring Among Unmanned Autonomous Systems" and "Methods for Peer Behavior Monitoring Among Unmanned Autonomous Systems" published in the September 2009 and December 2009 issues of The ITEA Journal, respectively. In this article the author explains peer behavior in autonomous and self-organizing systems. The article identifies technical issues, safety concerns and potential solutions for both testing and implementing these systems.

RICHARD G. CROSS AWARD



Mr. Ralph E. Hughart, US Army Test and Evaluation Command

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 test and evaluation in the 20th century. ITEA presents this award to recognize outstanding achievements in the development or administration of test and evaluation education.

The Richard G. Cross Award was presented to Mr. Ralph E. Hughart for significantly advancing the quality of Army test and evaluation education since 1986. He has directed every presentation of the Army's Operational Test Command basic training courses for twenty-three years; he successfully developed course materials, coordinated instructors and distinguished guest speakers, arranged facilities, supervised the courses, and provided oversight to other instructors in an increasingly effective manner; and he partnered with other course directors in reorganizations to merge his course with parallel courses of other commands into the present-day US Army Test and Evaluation Command's Test and Evaluation Basic Course for all military and civilian personnel entering Army T&E.

He is a classroom instructor and is one of the prime developers of the computer based training component of the course. Throughout a distinguished career as a T&E educator, Mr. Hughart has been continuously commended by students, other instructors, supervisors, and senior oversight officials for developing, presenting, and improving Army T&E education.

TECHNICAL ACHIEVEMENT AWARD



Major Benjamin C. Both, Air Force Operational Test and Evaluation Center

The Technical Achievement Award recognizes an individual or group for outstanding achievement of applying Instrumentation, Information Technology, Modeling and Simulation, or the Time-Space-Positioning Information (TSPI) data collection and electro-optics (E-O) to cause a test and evaluation program to be better, faster, and less expensive.

It is with great pleasure that the 2010 ITEA Technical Achievement Award was presented to Major Benjamin C. Both for his excellence as Bomber Test Operations Division Chief, B-2 Test Director, and B-2 Operational Test Pilot at Detachment 5, Air Force Operational Test and Evaluation Center (AFOTEC). Major Both validated \$4.7 billion in combat system upgrades while operationally testing the B-1 Fully Integrated Data Link (FIDL), B-2 Radar Modernization Program (RMP), B-2 Extremely High Frequency and Computer Upgrade Program (EHF), and B-52 Combat Network Communications Technology (CONNECT). As the B-2 RMP operational test director, Major Both highlighted capability shortfalls two years before low rate initial production, allowing the systems group to resolve every major system shortfall and to avoid a Nunn-McCurdy breach. He championed integrated developmental and operational testing (IDT/OT), collecting 41% of B-2 RMP operational test data during developmental testing to save four million dollars.

Major Both's IDT/OT experience helped reduce the total B-2 EHF test timeline by six months, saving an additional eight million dollars and driving a 25% reduction in dedicated operational testing for the B-52 CONNECT and B-1 FIDL programs. Finally, Major Both led AFOTEC's 2009 Modeling and Simulation Team of the year, driving development of seven bomber suitability modeling and simulation programs that reduced operational test flight hours by 25%. Major Both's ability to balance detailed analysis with high-level test management directly impacted the United States Air Force's global strike combat capability.

SPECIAL ACHIEVEMENT AWARD

Lightweight Torpedo Mk 54 Red Path Testing Team, NUWC Division Newport

The Special Achievement Award recognizes a recent outstanding achievement in test and evaluation engineering, technology, or management such as the solution of a major problem, or a notable project success for which there is evidence that tangible benefits have accrued.

The 2010 Special Achievement Award was presented to the NUWC Division Newport Lightweight Torpedo Mk 54 Red Path Testing Team for using innovative engineering and management processes during Lightweight Torpedo Mk 54 Fire Control Interface testing to discover and resolve safety anomalies. Utilizing aggressive techniques including Red Path Testing and SCRUM, the Team implemented continuous improvements in execution of tasks, increased efficiency, and finished testing ahead of schedule. During testing, the Team discovered three possible sets of conditions outside the specifications that could have catastrophic performance results.

The team assimilated the data and provided quick, accurate, and responsive feedback to the sponsor, PMS 404. Since the identified risk levels would have been difficult to pass through the necessary independent safety organizations and still meet the deadline, the Team, with a significant amount of overtime, accommodated two unplanned re-work cycles and developed and implemented a solution that corrected the anomalies and passed testing, all ahead of schedule and within budget. Through innovative process improvements, outstanding dedication, and superlative effort, the Team has made significant contributions to the Fleet. It is with great pleasure that the 2010 ITEA Special Achievement Award is presented to the Lightweight Torpedo Mk 54 Red Path Testing Team.