Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

MR. DAVID BANASZAK NAMED INSTITUTE OF ENVIRONMENTAL SCIENCES AND TECHNOLOGY FELLOW

The Institute of Environmental Sciences and Technology (IEST) selected Mr. David Banaszak, an electronics engineer at AFRL's Aerospace Structures Research Facility, as an IEST Fellow. This honor reflects the expertise behind AFRL's state-of-the-art combined-environment test capabilities.

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Accomplishment

Mr. Banaszak earned IEST fellowship for his substantial contributions to the advancement of measurement technology and transducer environmental sciences. He is an AFRL technical advisor for combined-environment test measurement requirements for new composite thermal aerospace materials and thermal protection systems. As an internationally recognized expert in aircraft structure static and dynamic testing, Mr. Banaszak has continually advanced the state of the art in vibration, acoustics, and dynamic pressure testing and has set guidelines for graphitic composite material environmental survivability. He has two patents, entitled "Remote Control Structural Exciter" and "Method and Device for Visually Measuring Structural Fatigue Using a Temperature-Sensitive Coating." Mr. Banaszak has written 70 technical publications, including 23 reports and 47 papers.

Background

Founded in 1953, IEST became an international technical society of engineers, scientists, and educators to represent the simulation, testing, and controlling industries, as well as the earth and space science education fields. IEST Fellows have at least 15 years of professional experience. They receive nomination from at least four IEST Fellows and senior members. A panel of seven IEST Fellows conducts the review. This panel selects nominees and submits its choices to the IEST president, who then selects the Fellows.

AFRL's Aerospace Structures Research Facility is the world's largest combined-environment experimental facility. It provides state-of-the-art validation capabilities to all government agencies, industry, and academia through cooperative research and development agreements. The facility can simultaneously expose structures to mechanical loads, acoustic noise, vibration, and heat to simulate the flight conditions of air and space vehicles.

Additional Information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (05-VA-20)