

IN THE PURSUIT OF EXCELLENCE

THE WALTER J. AND ANGELINE H. CRICHLOW TRUST PRIZE

ADMINISTERED BY:

THE AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS





Dear Colleague:

The American Institute of Aeronautics and Astronautics (AIAA) invites you to nominate candidates for the Walter J. and Angeline H. Crichlow Trust Prize. The Prize is presented by AIAA every four years for excellence in aerospace materials, structural design, structural analysis, or structural dynamics.

The 2011 Prize consists of a certificate of citation, an engraved medal, and an honorarium of \$100,000. The recipient will be invited to receive the Prize at the 52nd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, to be held in April 2011.

Nominations and supporting letters for the 2011 Prize must be postmarked by 15 June 2010. Materials received after that date are not eligible for the 2011 Prize.

Nominations should be sent to:

Ms. Carol Stewart
American Institute of Aeronautics and Astronautics
1801 Alexander Bell Drive, Suite 500
Reston, VA 20191
USA

The regulations and procedures of the Prize are enclosed for your convenience. If you have any questions or need additional information, please contact Ms. Stewart at carols@aiaa.org or 703.264.7623.

AIAA appreciates your participation in this prestigious award program.

Sincerely,

A handwritten signature in black ink, which appears to read 'David W. Thompson'. The signature is fluid and cursive, with a long horizontal stroke at the end.

David W. Thompson
AIAA President

REGULATIONS AND PROCEDURES

SELECTION CRITERIA

The Prize will normally be presented every four years to a single nominee for excellence in aerospace materials, structural design, structural analysis, or structural dynamics. Nominations should include any one or more of the following areas: environment and loads definitions, utilization of advanced materials and fabrication processes, innovative structural configurations, determination of structural integrity by analysis and test, advanced mathematics and/or computer programming of general and advanced usage, weight-reliability-lifecycle considerations, or adaptive structures.

The recipient will be selected based on a contribution or specific achievement that became significant during the immediate past 15 years. The maturity, universality, and usefulness of the innovation and perfection of application are key requirements of the Prize.

The Prize will be awarded to a single nominee (which can be an individual or small group of no more than four contributing individuals) for a specified achievement for a body of work extending over a period of years. Candidates for the Prize must be living persons at the time of selection.

Individuals from all nations are eligible.

NOMINATIONS

Nominations of candidates for the Prize are solicited from members of AIAA and other related organizations. The nomination form must be signed by the nominator and shall be accompanied by a Summary of Accomplishments. The nomination form and all supporting materials must be typewritten in English. A separate nomination form must be used for each candidate.

If more than one candidate is nominated for the achievement, only one Summary of Accomplishments should be submitted. The specific contributions of each individual should be clearly described.

Candidates do not have to be members of AIAA.

SUPPORTING LETTERS

At least three signed supporting letters must accompany each nomination. Nominations lacking supporting letters will not be considered. Supporting letters must be in English and may accompany the nomination form or may be sent separately. The same deadline applies for all nomination materials.

SELECTION OF RECIPIENT

The recipient of the Prize is selected by a subcommittee of the AIAA Honors and Awards Committee. The subcommittee shall consist of, but not be limited to, the following:

AIAA President
Vice President – International Activities
Director – Technical, Aerospace Design and Structures Group
Structural Dynamics Technical Committee Chair
Structures Technical Committee Chair
Adaptive Structures Technical Committee Chair
Materials Technical Committee Chair
Honors and Awards Committee Chair

The subcommittee will select one recipient by majority vote.

The decision of the subcommittee must be ratified by the AIAA Honors and Awards Committee and the AIAA Board of Directors.

The subcommittee will determine from independent sources who was the real intellectual force behind the accomplishments.

Announcement of the recipient is expected in January 2011.





THE WALTER J. AND ANGELINE H. CRICHLow TRUST PRIZE

THE ENDOWMENT FOR
THE PRIZE IS PROVIDED
BY THE WALTER J.
AND ANGELINE H.
CRICHLow TRUST

A graduate of Arizona State University, majoring in math, physics, and chemistry, Walter J. Crichlow began his professional career with Lockheed Corporation in 1938. While at Lockheed, he made outstanding contributions to the early development of fatigue and fail-safe structural design and test philosophies and procedures used in the design and testing of Lockheed's commercial and military aircraft.

Through his presentation of papers, courses, and lectures, Walter Crichlow gained international recognition as an expert in fatigue and fracture mechanics. In 1971, he was selected by the USAF as one of a team of three industry experts to provide advice on fatigue and fracture mechanics problems and to incorporate fracture mechanics and damage tolerance philosophies into MIL-SPECS. He also contributed to the development of civil and military standards in this field.

Walter Crichlow's contributions to AIAA include the endowment of the Walter J. and Angeline H.

Crichlow Trust Prize, the Institute's most prestigious award. The prize on his behalf recognizes excellence in aerospace materials, structural design, structural analysis, or structural dynamics.

