

Aero-East 2010

Elliott and Dorothy Green Award of Excellence

Description

This award annually recognizes the top Aero Design® teams capturing first place overall, best design and best flight during East and West competitions. Each registered team is eligible for these awards.

This award honors the late Elliott Green and his wife Dorothy for their commitment to engineering education as a means to ensure a bright future for many students. Elliott began his career at Lockheed-California Company as a draftsman and designer in 1939, before his graduation from Cal Tech. In 1978, he was appointed Vice President, Airline Customer Support and Later Vice President and General Manager for Commercial and Military Product Support and Commercial Programs.

A member of SAE from more than 35 years, Elliott served as SAE President in 1985 and, also that year, was elected as an SAE Fellow. He has held membership positions in several prestigious engineering societies and has received numerous awards and honors during this distinguished career.

The award is made possible by a contribution from Elliott and Dorothy Green.

The Award

This award, established in 1996, is administered by SAE International and consists of a plaque and monetary gift for the following categories:

- First Place Overall - \$1,000
 - Best Design - \$500
 - Best Flight - \$500
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Aero-East 2010

SAE Design Innovation Award

Award Information

This award is sponsored by SAE International to recognize innovation, engineering, and manufacturing process used in the design or development of the aircraft.

This award goes to the team that:

1. Innovative manufacturing process used in the design or development of the aircraft.
2. Innovative use of materials on the aircraft.
3. Introduction of a new idea/design into the competition. Any single or combination of these criteria can be used for the selection of a design for recognition.

Awarded For:

- 1st Place - \$500
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Aero-East 2010

NASA Systems Engineering Award

Award Information

This award is NASA Ames Research Center to recognize winning teams that best follow and document the NASA systems engineering process during the design and development of their aircraft.

Award Criteria

The NASA Systems Engineering Award will give students participating in the SAE Aero Design competition an additional opportunity to compete in applying best engineering practices to the design and development of their aircraft. Participation in the NASA competition is optional. The best practices are a subset of NASA Systems Engineering principles. The NASA competition will include key decision points as outlined in two written documents. Both documents will detail the systematic tracking, control, and integration of the project's design, construction, and implementation.

Eligibility Criteria

Any team participating in the Aero Design East and/or West competitions is eligible to participate in the NASA competition.

Award Funded By

NASA Aeronautics Research Mission Directorate.

- 1st Place - \$750
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Aero-Design Awards: Aero-East 2010

Individual Awards

Best Crash

006 - Warsaw University of Technology

NASA Systems Engineering Award

213 - Ecole De Technologie Superieure

SAE Design Innovation Award

028 - Univ of Hawaii - Manoa

Aero-Design Awards: Aero-East 2010

Written Design Report Award

Advanced Class

| Place | Team Number - School | Score |
|-------|--|---------|
| 3rd | 216 - Iowa State Univ. | 43.9333 |
| 2nd | 212 - Missouri University of Science and Tech. | 43.9733 |
| 1st | 219 - Warsaw University of Technology. | 47.7667 |

Micro Class

| Place | Team Number - School | Score |
|-------|---|---------|
| 3rd | 315 - Ryerson Univ. | 46.5667 |
| 2nd | 311 - Escola de Engenharia de Sao Carlos. | 47.7667 |
| 1st | 320 - Univ of Akron. | 48.4000 |

Regular Class

| Place | Team Number - School | Score |
|-------|---------------------------|---------|
| 3rd | 024 - Wright State Univ. | 47.4000 |
| 2nd | 003 - Univ of Cincinnati. | 47.6333 |
| 1st | 005 - Kansas State Univ. | 47.8333 |

Aero-Design Awards: Aero-East 2010

Team Technical Presentation Award

Advanced Class

| Place | Team Number - School | Score |
|-------|---|---------|
| 3rd | 211 - Escola de Engenharia de Sao Carlos. | 43.6833 |
| 2nd | 220 - Embry-Riddle Aero Univ - Daytona Beach. | 47.2833 |
| 1st | 216 - Iowa State Univ. | 48.8333 |

Micro Class

| Place | Team Number - School | Score |
|-------|---|---------|
| 3rd | 321 - Politechnika Poznanska. | 44.6250 |
| 2nd | 315 - Ryerson Univ. | 45.2500 |
| 1st | 311 - Escola de Engenharia de Sao Carlos. | 46.6250 |

Regular Class

| Place | Team Number - School | Score |
|-------|--------------------------------|---------|
| 3rd | 029 - Lafayette College. | 47.8667 |
| 2nd | 037 - UNEFA. | 48.6333 |
| 1st | 018 - Oklahoma Christian Univ. | 48.6667 |

Aero-Design Awards: Aero-East 2010

Highest Payload Fraction Award

Micro Class

| Place | Team Number - School | Score |
|-------|--|--------|
| 3rd | 314 - Missouri University of Science and Tech. | 0.6911 |
| 2nd | 316 - Univ of Puerto Rico. | 0.6982 |
| 1st | 311 - Escola de Engenharia de Sao Carlos. | 0.7449 |

Aero-Design Awards: Aero-East 2010

Advanced Performance Award

Advanced Class

| Place | Team Number - School | Score |
|-------|--|-----------|
| 3rd | 216 - Iowa State Univ. | -210.9570 |
| 2nd | 213 - Ecole De Technologie Superieure. | -101.2739 |
| 1st | 219 - Warsaw University of Technology. | 35.5667 |

Aero-Design Awards: Aero-East 2010

Most Payload Award

Advanced Class

| Place | Team Number - School | Score |
|-------|---|---------|
| 3rd | 219 - Warsaw University of Technology. | 25.8500 |
| 2nd | 213 - Ecole De Technologie Superieure. | 27.9100 |
| 1st | 211 - Escola de Engenharia de Sao Carlos. | 39.3900 |

Regular Class

| Place | Team Number - School | Score |
|-------|---|---------|
| 3rd | 003 - Univ of Cincinnati. | 29.2300 |
| 2nd | 012 - Escola de Engenharia de Sao Carlos. | 31.4900 |
| 1st | 011 - CEFET-MG. | 32.3100 |

Aero-Design Awards: Aero-East 2010

SAE International Overall Award

Advanced Class

| Place | Team Number - School | Score |
|-------|---|----------|
| 3rd | 216 - Iowa State Univ. | 140.6867 |
| 2nd | 211 - Escola de Engenharia de Sao Carlos. | 161.5967 |
| 1st | 219 - Warsaw University of Technology. | 175.8500 |

Micro Class

| Place | Team Number - School | Score |
|-------|--|----------|
| 3rd | 314 - Missouri University of Science and Tech. | 163.2293 |
| 2nd | 316 - Univ of Puerto Rico. | 166.1781 |
| 1st | 311 - Escola de Engenharia de Sao Carlos. | 182.8001 |

Elliott & Dorothy Green Award of Excellence

| Place | Team Number - School | Score |
|-------|---|----------|
| 3rd | 012 - Escola de Engenharia de Sao Carlos. | 231.3987 |
| 2nd | 003 - Univ of Cincinnati. | 236.1376 |
| 1st | 011 - CEFET-MG. | 237.3802 |

