



2010 honorees and their innovations

NORTHWEST REGION

Special Invention Awards

- John E. Harrison, James L. Millar, David S. Kinney, Matthew D. Smith: *Vehicle Condition Monitoring and Reporting*
- Douglas H. Berry, Mark P. Johnson, James F. Kirchner, Seana B. Kobak, Lori C. Straus, Dong-Yang Wu: *Activation Method Using Modifying Agent*
- William J. Ahl, Cameron J. Forrest: *System, Method, and Computer Program Product for Delivering a Training Course*
- Frederick W. Cathey, David J. Hilliard, Robert P. Lutter, Michael L. Munoz, Trevor L. Olson: *System and Method for Autonomous Tracking and Surveillance*
- Robert A. Kisch, Robert A. Kramp, Matthew K.S. Lum: *Modular Head Lamination Device and Method*
- Alan R. Merkley, Ronald W. Outous: *Adaptive Positive Feed Drilling System*
- Danny G. Jockisch: *Wire Bundle Pull Tool*
- Lawrence S. Baum, Molly L. Boose: *System, Method, and Computer Program Product for Animating Drawings*
- Chun-Liang Lin, Hangki Lee: *Composite Stringer End Trim*
- James M. Nelson, Dejan Nikic, Jason Wu: *Scalable Method for Rapidly Detecting Potential Ground Vehicles Under Cover Using Visualization of Total Occlusion Footprint in Point Cloud Population; Spatial Data Compression and Object Detection Using Implicit Geometry*
- Max U. Kismarton: *Conducting-Fiber Deicing Systems and Methods; Composite Landing Gear Apparatus and Methods; Rotor Apparatus and Methods for Vertical Lift Aircraft; Method for Manufacturing Composite Components*
- Michael L. Trent, Bryce A. Vandyke, John T. Nguyen, Charles E. Kusuda, Jeffrey L. White: *Power Electronics Cooling System*
- Steven A. Castro: *Uniform Flow Supply Duct Associated Method of Sizing Restrictor Plates*
- David L. Grose, Thomas E. Sherer, Scott D. Button: *Methods and Systems for Scalable Hierarchical Feed-Forward Processes*
- Donald P. Matheson, William J. Koch: *Deformable Forward Pressure Bulkhead for an Aircraft*
- Kevin N. King, Anapathur V. Ramesh, Larry R. Schultz, Tilak C. Sharma, David W. Twigg: *Collaborative Web-Based Airplane Level Failure Effects Analysis Tool*
- Lyle R. Deobald, Christopher G. Harris, Mark C. Iden, Karl B. Lee, Jeffery L. Marcoe, John D. Morris: *Reinforced Stiffeners and Method for Making the Same*
- Joseph E. Absalonson, John D. Harrison, Thomas J. Kennedy: *Method of Assembling Composite Structure*
- Michael J. Pabisz, David A. Pelton, Dallin B. Slauch: *Actuation Response Oscillation Detection Monitor*

- John G. Barnes, Dean A. Hawkinson, Timothy W. Purcell, Stephen A. Walls, Douglas L. Wilson: *System, Method, and Computer Program Product for Predicting Cruise Orientation of an As-Built Airplane*

Technical Replication Awards

- James D. Kinder, Darrin L. Morgan: *Sustainable Biofuel for Military Customers*
- Steven E. Saylor, Adrienne P. Miller, James K. Dailey, H. Lynn Scheurman: *Boeing Advanced Logistics Analysis Capabilities Environment (BALANCE)*
- Ken D. Bouvier, Shuguang Song, Peter J. Lake: *Maintenance Interval Determination and Optimization Tool (MIDOT)*

MIDWEST REGION

Special Invention Awards

- Rodney Bard, Joseph C. Hrin, Charles L. Smith, Heather C. Haimovitz: *System, Method, and Computer Program Product for Animating Drawings*
- Kristen L. Kokkeby: *System and Method for Autonomous Tracking and Surveillance*
- Brian W. Arent, Joshua D. Barnard: *Composite Stringer End Trim*
- Robert A. Smith: *CARS/Absorption Dual Mode Electro-Optic Sensor*
- Theron L. Cutler, Mark A. Shelly: *Aerial Refueling System*

Technical Replication Awards

- Mark C. Kay: *Sustainable Biofuel for Military Customers*
- Timothy D. Bartlett, Brian C. Fredgren, Robert V. Palombo: *Maintenance Interval Determination and Optimization Tool (MIDOT)*

SOUTHWEST REGION

Special Invention Awards

- Robert L. Reynolds: *Radio-Frequency Absorbing Fin Blanket*
- Richard Y. Chiang, Dan Y. Liu, David D. Needelman, Tung-Ching Tsao, David S. Utrecht: *Gyroless Attitude and Angular Velocity Determination; Spacecraft Acquisition Maneuvers Using Position Based Gyroless Control*
- Joel A. Schwartz, Ray A. Stribling: *Deployable Solar Array Assembly*
- Douglas R. Jungwirth: *Compact High Intensity Solar Simulator*
- Frederick R. Vachss: *CARS/Absorption Dual Mode Electro-Optic Sensor*
- Douglas R. Jungwirth: *Optical Source Assembly Suitable for Use as a Solar Simulator and Associated Methods*

Technical Replication Awards

- Marty K. Bradley: *Sustainable Biofuel for Military Customers*

In 2010, external technical affiliations recognized many Boeing employees for their achievements and contributions to science, technology, engineering and math. Here's a partial listing of the year's honorees.

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

- AIAA Honorary Fellow: Robert H. Liebeck
- AIAA Fellow: Brewster H. Shaw
- Associate Fellows: Matthew D. Nixon, Mark E. Kammeyer, Alex M. Rubin, Robert B. Friend, Che-Hang C. Ih, Gary D. Grayson, Victor Li, Vladimir O. Balabanov, Chen Chuck, David L. Daggett, Kenneth S. Hunziker, Vinod G. Mengle, Joao Miguel Santos, Joseph K. Schnoebelen, Tony Yi Torng
- AIAA Foundation's annual Undergraduate Individual Team Aircraft Design Competition: Lauren Fitzpatrick, first prize; Christopher Vaughn, third prize
- 2010 Daniel Guggenheim Medal Award*: Robert H. Liebeck

ASIAN AMERICAN ENGINEER OF THE YEAR

- Asian American Executive of the Year: Dianne Chong
- Asian American Engineer of the Year: Sudhakar S. Shetty, Grace Jiang

BLACK ENGINEER OF THE YEAR AWARDS

- Minority in Research Science Trailblazer: Dee Battis, Rhonda Lyons, Bhash Ganti
- Modern Day Technology Award: John B. Benson, Stephanie R. LaBoo, Charles Stewart, Phillip Thomaschima, Sharon Sweets, Tauheed Sadruddin
- Corporate Promotion of Education: George A. Parker
- Most Promising Engineer or Scientist, Industry: Kareem I. Muhammad

GREAT MINDS IN STEM

- Role Model of the Week: Erika I. Sanchez
- Hispanic Legacy Award: John J. Tracy
- Most Promising Engineer–Undergraduate Degree Award: Dario I. Valenzuela
- Luminary Recognition: Victoria DeMatteis, Alejandro R. Diaz
- Lifetime Achievement Award: Jose G. Ramos

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

- Fellow: James Leonard
- Frank McGinnis Professional Achievement Award: David Wallhermfecht

INSTITUTE OF INDUSTRIAL ENGINEERS

- Outstanding Achievement in Management Award: John Crutchfield

NATIONAL ACADEMIES

- Selected participant: Michael X. Williams

NATIONAL SOCIETY OF BLACK ENGINEERS

- Celestial Torch Award Winner, Aerospace Technologist of the Year: Jamie Haynes
- Golden Torch Award Winner, Alumni Extension Technologist of the Year: Jamie Haynes

ORGANIZATION OF CHINESE AMERICANS

- Corporate Achievement Award: Jason Hatakeyama

SAE INTERNATIONAL

- SAE J. Cordell Breed Award for Women Leaders: Sandra Postel (retired)
- Forest R. McFarland Award: William (Bill) Atwell, Ishaque S. Mehdi (posthumously), Jeffrey D. Morgan
- SAE Aerospace Chair Award: David Dotson (posthumously)
- 2009 Marvin Whitlock Award: Justin R. Greener

SOCIETY FOR THE ADVANCEMENT OF MATERIAL AND PROCESS ENGINEERING

- Fellow: Gail Dolan Hahn
- SAMPE 2010 Outstanding Paper Award Winners 3rd Place: “Improved Flaw Detection in Honeycomb Sandwich Structure Using Pitch-Catch (Low Frequency) Bondtesters,” Nathan R. Smith, Jeffrey R. Kollgaard

SOCIETY OF MANUFACTURING ENGINEERS

- J.H. “Jud” Hall Composites Manufacturing Award: David C. Dickson

SOCIETY OF WOMEN ENGINEERS

- Distinguished New Engineer Award: Kelly Griswold Schable, Missy Brost, Erin McGinnis
- Emerging Leader Award in Product Research, Design and Engineering: Tamaira Ross
- Fellow: Terri Fraser Morse

WOMEN IN AVIATION INTERNATIONAL

- Women in Aviation Pioneer Hall of Fame: Suzanna Darcy-Hennemann, Patricia Beckman

WOMEN OF COLOR IN TECHNOLOGY AWARDS CONFERENCE

- Professional Achievement in Industry: Natalie Stoney Walters
- Business Achievement Award: Alaka Shivananda
- 2010 All-Stars: Sondra Barbour, Gayle Brocks-Becoat, Pamela D. Carter, Winnie Choy, Vinya Estiller, Celia Gamez, Faneé Harrison, Katrina Jones, Lynette Lawler, Rosalynn Lee, Gwendolyn Moss, Cheryl Musaddiq, Adriana Ocampo, Barbara Park, Jada S. Poller, Christelle Watkins, Christina Webb, Jeanne Yu
- 2010 Rising Stars: Gina Allen, Evelyn N. Bailey, Krystle Carr, Tamika Lang, Wendy Leung, Nicole Lopez, Margie Low, Ada Mbata, Adenike Olafisoye, Donella Pearson, Marquetta Thomas, Lisa Valle, Kionna Wells, Jennifer M. Williams

* *This award is presented jointly by the American Society of Mechanical Engineers, SAE International, the American Helicopter Society, and the American Institute of Aeronautics and Astronautics.*