

The ultimate engineering reward: Industry recognition

By DOUG KINNEARD

Being employees and retirees are not only recognized by their colleagues as experts in their fields, but by industry peers around the globe. Many are honored by national and international associations and organizations for their outstanding technical work, for their contributions to the community, and for their efforts to mentor and educate students and young engineers. Here's a list of some of the leading culturally diverse organizations and the Boeing employees they recognized in 2006:

Frederick "Yaw" Davis, engineering manager for Phantom Works Engineering & Information Technology's Integrated Electronics Subsystems Technology team in Huntington Beach, Calif., received the Pioneer of the Year Award from the National Society of Black Engineers.



PHOTO BY JACK BYERS

Asian American Engineer of the Year

Dev Banerjee – AAEOY Engineer of the Year, St. Louis
Susan Ying – AAEOY Engineer of the Year, Northwest
Jay Yoshinaga – AAEOY Engineer of the Year, Southwest

American Helicopter Society

Leo Dadone – Gruppo Agusta Award
Peter Hartman – Gruppo Agusta Award
Robert Narducci – Gruppo Agusta Award
Andrew Peterson – Gruppo Agusta Award

American Institute of Aeronautics and Astronautics

Edward Gerry – Pioneer Award
Alan Mulally – Honorary Fellow
Phillippe Spalart – Fluid Dynamics Award
John Tracy – Fellow
Robert Van Allen – Pioneer Award

ASEI-American Society of Engineers of Indian Origin

Kumar Bhatia – Engineering Excellence Award
Dinesh Keskar – Outstanding Achievement Award

BEYA-Black Engineer of the Year

David Blanding – Career Achievement Award
James Bell – Listed Among the Top 100 Blacks in Technology
Norma Clayton – Listed Among the Top 100 Blacks in Technology
Jim Wigfall – Listed Among the Top 100 Blacks in Technology

Government Electronics and Information Technology Association

Larry Bauer – Technical Fellow, Configuration Management
Karen Chandler – Associate Technical Fellow, Configuration Management
Dan McCurry – Technical Fellow, Configuration Management
Jim Vandyke – Associate Technical Fellow, Data Management

Hispanic Engineer National Achievement Awards Conference

Michael Cave – Top 100 Most Important Hispanics in Technology
Roberto Duffy – Top 100 Most Important Hispanics in Technology

Rudy deLeon – Top 100 Most Important Hispanics in Technology
Rigoberto Perez – HENAAC Role Model (of the week, March 13)
Art Rosales – Top 100 Most Important Hispanics in Technology
Philip de St Aubin – Top 100 Most Important Hispanics in Technology
John Tracy – HENAAC Engineer of the Year, Executive Excellence
John Tracy – Top 100 Most Important Hispanics in Technology
Yvonne Vargas – Luminary Award

Industrial Research Institute

David Swain (retired) – Medal of Technology Award

Institute of Industrial Engineers

Rick Bennett – Innovation Award
Hong Chen – Innovation Award
Dale Flinn – Innovation Award
Diane Godfrey – Innovation Award
Steven Guyot – Innovation Award
Rich Hawn – Innovation Award
Dino MacRis – Innovation Award
David Miller – Innovation Award
Steven Souza – Innovation Award
Yolanda Strickland – Innovation Award
Cindy Williamson – Innovation Award

International Council for the Aeronautical Sciences

Robert Liebeck – ICAS Award for Innovation in Aeronautics

National Society of Black Engineers

Frederick "Yaw" Davis – NSBE Pioneer of the Year

Organization of Chinese Americans

Charlotte Lin – Asian Corporate Achievement Award

Royal Aeronautical Society

Paco Escarti – Fellow
Jim Jamieson – Fellow
Ron Johnson – Fellow
Jim Morris – Fellow

Dennis Muilenburg – Fellow
Vladimir Titov – Fellow

SAE-Society of Automotive Engineers, International

Kirby Keller – Power Systems Conference Oral Award
Robert Spitzer – International Medal of Honor

SHPE-Society of Hispanic Professional Engineers

Carlos Galvan – Most Promising Engineer Award

SME-Society of Manufacturing Engineers

Carolyn Corvi – Eli Whitney Productivity Award

Society of Experimental Test Pilots

Rudy Haug – Awarded the position of Fellow
Norm Howell – Iven C. Kincheloe Award

Society of Women Engineers

Frances Ferris – SWE Fellow
Susan Moore – SWE Fellow

Standards of Engineering Society

Laura Hitchcock – Leo B. Moore Medal

Women of Color in Technology

Elaine Banks – Technology All Star
Daneisha Brazzle – Rising Star
Elaine Clemens – Technology All Star
Cecille Herrera – Rising Star
Nia Jetter – Rising Star
Anne Kao – Research Leadership Award
Eileen Loh – Rising Star
Carolyn Nichols – Career Achievement Award
Rachel Tuilesu – Rising Star
Christelle Watkins – Technology All Star
Barbara Wilson – Professional Achievement Award
Shanying Zeng – Technology All Star

Chief Technology Officer Bob Krieger:

Boeing inventors are among aerospace pioneers

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Today's Boeing inventors rank among those "who have taken us from low-flying biplanes to powerful rockets," said Bob Krieger, Boeing chief technology officer and president of Phantom Works, when he presented Special Invention Awards to honorees in St. Louis. They were among 107 Boeing employees honored at three separate ceremonies across the United States for their 33 inventions in 2006.

"You join those who have transported astronauts to the moon and landing vehicles to the outer reaches of space," said Krieger. "And you are among those who have moved us from the operation of individual aircraft to a vast network of integrated systems that will connect and protect people around the world."

Jim Morris, vice president of Engineering and Manufacturing at Boeing Commercial Airplanes, and Nan Bouchard, vice president of Integrated Defense Systems' Engineering and Mission Assurance, were also keynote speakers at events in Seattle and Long Beach, Calif., respectively.

"In the spirit of Bill Boeing, our inventors think through what is said to be impossible – and instead they find a way to succeed," says Intellectual Property Management Vice President Rob Gullette, who sponsors the awards.

Midwest Region

Method and Apparatus for Automatically Collecting Terrain Source Data for Display during Flight Simulation
Robert Lechner

Landing Gear High Performance Shock Strut (HPSS) Valve
Akif Bolukbasi

Sustaining a Fleet of Configuration-Controlled Assets
Alan Bacon

Robert Beggs
Kim Bonin
Randolf Bradley
Terence Burke

Barry Fox
Peter Gould
Dean Hooks
Stephen King
Janet Oakes
Christian Stoughton
Jenny Thompson
Robert White
Chandler Wilson

Gaze Tracking, Eye-Tracking Assembly and an Associated Method of Calibration
John Aughey
Carl Vorst

Computational Air Data System Using Angle-of-Attack and Angle-of-Sideslip
Kevin Wise

Systems and Methods for Production Planning by Visualizing Products and Resources in a Manufacturing Process
Joseph Anelle
Carl Bouffiou

Steven Franzen
William Kehner
Robert Schreiber
Mark VanHorne

Method for Coordinated Command and Control of Autonomous Vehicles
William Bond
Roderick Leitch
Jackie McNeese Jr.
Eric Muehle
James Riddle

Wireless CASS Interface Device
Electromagnetic Railgun Projectile
James Cook

Randall Marion
William Rootz
Steven Wegener
Electromagnetic Railgun Projectile
Douglas Elder

Standoff Land Attack-Expanded Response Device Computer
Aaron Eggemeyer
James Leonard
Robert Menzel
Richard Meyer

System and Method for Detecting a Leak in a Hydraulic Fluid System
Allan Beiderman
Patrick Rexing

System Anechoic Test Chamber and Method of Determining a Loss Characteristic of a Material Specimen
Leland Hemming
Charles Leonard

Boeing 767 Tanker In-flight Refueling Capability (multiple inventions and inventors):

Truss Mounted, Directional Loading, Fluid Carrying Apparatus Redundant

Seal Fitting – Fluid Carrying Apparatus

Surge Pressure Reducing Hose Assembly

Manifold Mounting – Load Carrying Apparatus, Infinitely Adjustable
Shrouded Valve Body – Conducting Apparatus, Shutoff Valve Assembly

Shrouded Body – Fluid-Conducting Apparatus, Flow Meter Assembly

Aerial Refueling System

Shrouded Fluid-Conducting Apparatus

James Carns
Theron Cutler
Mark Shelly

Mass on Model
Bruce Shimel
Scott Stevenson

System, Method and Computer-Program Product for Structured Data Capture

Scott Greene
David Hester

(James Millstead, Renee Pankrast recognized at Southwest event, for this same invention, which appears in the list twice for this reason.)

Northwest Region

Technology/Invention: Method, Apparatus and Computer Program Products for Information Retrieval and Document Classification Utilizing a Multidimensional Subspace
Inventor(s)

Anne Kao
Jason Wu
Robert Cranfill

Stephen Poteet
William Ferng
Andrew Booker

Methods for Fabricating Electromagnetic Meta-Materials
Minas Taniellian

Formed Structural Assembly and Associated Preform and Method

Garry Booker
Luis Leon
David Fouch
Gregory Ramsey
Daniel Sanders
Jeff Will

Phased Array Antenna Choke Plate Apparatus and Method

Stanley Ferguson
David Rasmussen
Michael Taylor

Airline Traffic Modeling and Allocation System

Roger Parker
Richard Lonsdale

Method for Restoring Software Applications on Desktop Computers
Dustin Coe

Jeffery Flenoy
Eric Brehm
Kirk Wong
Michael Reese

Superplastic Forming of Titanium Assemblies

Thomas Connelly
Kent Dunstan
William Williams III
Peter Comley
Larry Hefti

Near-Hermetic Packaging of Gallium-Arsenide Semiconductor Devices and Manufacturing Method Therefor
Fong Shi

Fastener Installation Apparatus and Associated Method
Daniel Hippe

Single Fiber Links for Full Duplex Aircraft Data Network
Tuong Truong

Integrated System-of-Systems Modeling Environment and Related Methods

Don O'Connell
Phillip Denby
Ali Bahrami

Southwest Region

Phased-Array Antenna Architecture Having Digitally-Controlled Centralized Beam Forming

William Davis
Robert Hladek

System, Method and Computer-Program Product for Structured Data Capture

James Millstead

Renee Pankrast (Scott Greene, David Hester recognized at Midwest event)

Probabilistic Risk Evaluation of Debris Impact Capability and Tolerance, PREDICT

Ian Fialho
Winston Wang

Reflector Deployment Error Estimation

Richard Fowell
Arunkumar Nayak
Hanching Wang

Phase Recovery Filtering Techniques for SCP Throughput Shortage
Richard Chiang

Molding Process and Apparatus for Producing Unified Composite Structures

Roger Burgess
Coleman Standish
Patrick Thrash
Alexander Velicki

System, Method and Computer Program Product for Signal Processing of Array Data

Richard Nielsen
Sandra Nielsen
Modular Inter-modal Platform (MIP)

Anibal Garcia
Thomas Reiner
Myles Rohrlack
John Simmons
James Wells