



Press Release

April 1, 2013

AHS ANNOUNCES 2013 AWARD RECIPIENTS

Alexandria, VA Stephen Mundt, the Chair of the Board of AHS International – *The Vertical Flight Technical Society* announced the recipients of the Society's 2013 awards program. This prestigious program was initiated in 1944 and over the years has paid tribute to the outstanding leaders of the vertical flight industry. Each year we recognize new individuals who further the relevance and importance behind each of these awards.

The Society's awards program recognizes extraordinary achievements and serves as a catalyst for stimulating technological advances in the vertical flight industry. Following are this year's winners to be recognized at the 69th Annual Forum.

The AHS Honorary Fellow Awards are granted to Society members whose career-based leadership and innovation have advanced significantly the interests of the vertical flight community. Only two Honorary Fellowships are bestowed per year and recipients receive lifetime membership in the Society. This year the winners are **Robert Bossler**, Bossler Technical Service, Engineering Consultant, and **Nicholas Lappos**, Sikorsky Aircraft Corporation, Senior Technical Fellow.

The AHS Technical Fellow Awards are granted to Society members whose career-based accomplishments towards the goals and objectives of the vertical flight industry constitute an outstanding technical achievement. This year's recipients are **Prof. Omri Rand**, Technion – Israel Institute of Technology, Professor; **Prof. Farhan Gandhi**, Rensselaer Polytechnic Institute, Professor and Rosalind and John J. Redfern Jr. '33 Endowed Chair in Aerospace Engineering; **Kenneth Landis**, The Boeing Company, Senior Manager, Flying Qualities; and **Jimmy Charles Narramore**, Bell Helicopter (Ret.), Senior Staff Engineer (Ret.)

The Society's **Captain William J. Kossler Award** is given for the greatest achievement in practical application or operation of rotary wing aircraft, the value of which has been demonstrated by actual service during the preceding year. This year, the Kossler Award will be presented to the **U.S. Coast Guard, Air Station Elizabeth City**. The recognition is for the outstanding rescue efforts of the HMS Bounty on October 28, 2012 during Hurricane Sandy.

Aurora Flight Sciences. based in Manassas, Virginia, is this year's recipient of the **AHS Supplier Excellence Award**. This award is given to a supplier who, through the quality, innovativeness and cost-effectiveness of its products, has made a notable contribution to the vertical flight industry. The award is given for their Flawless Execution of CH-53K Main Rotor Pylon Design and Nacelle Fabrication.

The Grover E. Bell Award is given to the individual or organization that has fostered and encouraged research and experimentation in helicopter development. This year's honored recipient is the **AMRDEC/NASA/PM Armed Scout Helicopter/Bell Aerodynamics Improvement Team**. The team, conceived, developed, tested and analyzed a powered scale model of the emerging OH-58F Kiowa Warrior helicopter configuration. The testing was completed in September of 2012. The resulting model is arguably the most detailed scale wind tunnel helicopter with full aerodynamic simulation of external components ever tested..

The Harry T. Jensen Award is given in recognition of an outstanding contribution to the improvement of helicopter reliability, maintainability, safety or logistics support through improved design or technical achievement brought to fruition during the preceding year. This year the award is presented to the **Apache AH-64E Composite Tailboom Development Team**. The team was successful in bringing composite design and manufacturing technology to Military Rotorcraft through a successful completion of a live fire test at Aberdeen Proving Grounds. This new technology application for the composite tailboom greatly increases reliability, durability, maintainability with improved strength, lower weight, and lower recurring cost than the current Apache AH-64E metallic tailboom.

This year's honoree for the **Howard Hughes Award**, given in recognition of an outstanding improvement in fundamental helicopter technology brought to fruition in the previous year, is the **Active Ground Resonance Stability Augmentation Design & Test Team**. The team is being awarded for successfully demonstrating the ability of full authority control systems in enhancing aeromechanical stability in a safe and effective manner.

The AgustaWestland International Helicopter Fellowship Award recognizes the most significant contribution to international vertical flight cooperation by an individual or group. Established in 1989, the award honors the memory of Paolo Bellavita, whose career at Gruppo Agusta was marked by his dedication to furthering international cooperation in the world of vertical flight. This year's winner is the **Sikorsky / TATA S-92 Cabin International Transition Team**. The Team progressed from a true "green-field" start up, built an assembly factory, hired and trained an aerospace workforce, established all supporting processes & procedures, and successfully established an Aerospace Cabin assembly line producing at the required rate to support operations.

The Robert L. Pinckney Award is given in recognition of notable achievement in manufacturing research and development for rotorcraft or rotorcraft components brought to fruition in recent years. The award was created by The Boeing Company in

1995 to honor the memory of Robert L. Pinckney, an eminent manufacturing engineer. This year's recipient is the **V-22 Large Cell Composite Core Flaperon Team** including Bell Helicopter, Textron, Inc., US Navy Naval Air Systems Command (NAVAIR), GKN Aerospace, & Ultracor, Inc; for focus on cost reduction initiatives, reliability, and maintainability.

The Society's **Paul E. Haueter Award** is presented each year to an individual or company that has made significant contributions to the development of vertical take-off and landing aircraft other than helicopters. This year, the Haueter Award will be given to **Richard Spivey**, U.S. Army, Aeroflightdynamics Directorate (Ret.), Former Director. For his over 50 year of tireless efforts towards tiltrotors and advanced VTOL technologies.

The Society's **François-Xavier Bagnoud Award** is given to **Dr. Daniel Patt**, Defense Advanced Research Projects Agency (DARPA), Program Manager. This award, which was established in 1992, recognizes outstanding contributions to vertical flight technology by a Society member under the age of 35. Dr. Patt's reception of this award stems from his significant contributions in rotorcraft acoustics, vibration reduction, aerodynamics, structural dynamics, propulsion, rotorcraft design, and integration which have impacted the state of industry.

The **John J. Schneider Historical Achievement Award** was established in 2003 in memory of vertical flight historian John J. Schneider. The award is given in recognition of distinguished achievement by an individual in encouraging appreciation of, and enhancing access to, the history and legacy of vertical flight aircraft. This year's recipient is **Franklin D. Harris**, NASA Ames Research Center, Aeronautical Engineer. Mr. Harris has produced the most thorough exposition of the development of rotary-wing aircraft to date. His rotary-wing research background has given him in sight into the the technical challenges faced and solved by pioneering engineers in the field. His monumental contribution is to have condensed and presented an obscure, highly technical, and extremely important area of aeronautical development in an un assailable reliable and accessible manner

The winner of the Robert L. Lichten Award is **Brent Pafford**, Graduate Research Assistant, University of Texas, Austin, for his paper, "Magnetohydrodynamic Plasma Actuators for Stall Alleviation." The runner-up in this competition is **JunSoo Hong**, Undergraduate Research Assistant, Washington University in Saint Louis, "A Fully Nonlinear Version of the Pitt-Peters Dynamic Inflow Model in Axial Flow." The Lichten Award was established to encourage AHS members – who had not previously presented the results of their work at a technical forum – to begin presenting their work at local and regional AHS meetings.

No awards were given for the Dr. Alexander Klemin, the Fredeick L. Feinberg and the Igor I. Sikorsky International Trophy.

As was previously announced, the Forum will also feature the Alexander A. Nikolsky Honorary Lectureship – by **Professor Peretz P. Friedmann**, Francois- Xavier Bagnoud Professor of Aerospace Engineering, the University of Michigan.

AHS International – *The Vertical Flight Technical Society*, which has more than 6,000 members, is the world's leading technical, professional society dedicated to the advancement of vertical flight technology and its applications.

For further information on the Society and its Award Programs, as well as past award recipients, please visit the Society's home page at <http://www.vtol.org/awards>.

Liz Malleck
(703) 684-6777 Ext. 107
lmalleck@vtol.org