PREVIOUS WINNERS OF THE WILLIAM E. JACKSON AWARD

2019 – Dr. Tyler Reid, Stanford University, *Orbital Diversity for Global Navigation Satellite Systems*

2018 – Pengfei (Phil) Duan, Ohio University, *Predictive Alerting for Improved Aircraft State Awareness*

2017 – Adam Naab-Levy, Ohio University, *Enhanced Distance Measuring Equipment Data Broadcast Design, Analysis, Implementation, and Flight-Test Validation*

2016 – Dr. Nicholas Hanlon, University of Cincinnati, *Simulation Research Framework with Embedded Intelligent Algorithms for Analysis of Multi-Target, Multi-Sensor, High-Cluttered Environments*

2015 – Dr. Ing Kenneth Chircop, University of Malta, *On trajectory optimisation for the reduction of fuel burn and emissions*

2014 - Dr. Kuangmin Li, Ohio University, *Enhanced Distance Measuring Equipment Carrier Phase*

2013 – Dr. Fabrice Kunzi, Massachusetts Institute of Technology, *Development of a High-Precision ADS-B Based Conflict Alerting System for Operations in the Airport Environment*

2012 – NO AWARD GIVEN

2011 – Dr. Andrew Sammut, University of Malta, *A Runway Collision Avoidance and Alerting System*

2010 – Dr. Maxime Gariel, Georgia Institute of Technology, *Towards a Graceful Degradation of Air Traffic Management Systems*

2009 – Dr. Grace Xingxin Gao, Stanford University, *Towards Navigation Based on 120 Satellites Analyzing the New Signals*

2008 – Dr. Yan Wan, Washington State University, *A Scalable Methodology for Evaluating and Designing Coordinated Air Traffic Flow Management Strategies Under Undercertainty*

2007 – Dr. Sanjeev Gunawardena, Ohio University, *Development of a Transform-Domain Instrumentation Global Positioning System Receiver for Signal Quality and Anomalous Event Monitoring*

2006 – Dr. Jacob L. Campbell, Ohio University, *Application of Airborne Laser Scanner to Aerial Navigation*

2005 – Dr. Alexander M. Mitelman, Stanford University, *Signal Quality Monitoring For GPS Augmentation Systems*

2004 – Dr. Chad W. Jennings, Stanford University, *Threat Displays for Final Approach*

2003 – Dr. Tom G. Reynolds, Massachusetts Institute of Technology, *Investigating Conformance Monitoring Issues in Air Traffic Control Using Fault Detection Approaches*

2002 – Dr. Andrey A. Soloviev, Ohio University, *Investigation into Performance Enhancement of Integrated Global Positioning/Inertial Navigation Systems by Frequency Domain Implementation of Inertial Computational Procedures*

2001 – Dr. Robert E. Phelts, Stanford University, *Multi-correlator Techniques for Robust Mitigation of Threats to GPS Signal Quality*

2000 - Dr. Robert A. Gray, Ohio University, *Inflight Detection of Errors for Enhanced Aircraft Flight Safety and Vertical Accuracy Improvement Using Digital Terrain Elevation Data with an Inertial Navigation System, Global Positioning System and Radar Altimeter*

1999 - Dr. Amy R. Pritchett, Massachusetts Institute of Technology, *Pilot Non-Conformance to Alerting System Commands During Closely Spaced Parallel Approaches*

1998 - Dr. Chris G. Bartone, Ohio University, *Ranging Airport Pseudolite for Local Area Augmentation Using the Global Positioning System*

1997 - Dr. Dennis Akos, Ohio University, *A Software Radio Approach to Global Navigation Satellite System Receiver Design*

1996 - Dr. Boris S. Pervan, Stanford University, *Navigation Integrity for Aircraft Precision Landing Using the Global Positioning System*

1995 - James K. Kuchar, Massachusetts Institute of Technology, *A Unified Methodology for the Evaluation of Hazard Alerting Systems*

1994 - Dr. David Diggle, Ohio University, *Satellite-Based Positioning Systems for Flight Reference and Aircraft Autoland Operations*

1993 - Dr. Clark E. Cohen, Stanford University, *Attitude Determination Using GPS*

1992 - Michael S. Braasch, Ohio University, *On the Characterization of Multipath Errors in Satellite-Based Precision Approach and Landing Systems*

1991 - Zhihang Chi, Massachusetts Institute of Technology, *An Adaptive Final Approach Spacing Advisory System: Modeling, Analysis and Simulation*

1990 - Brenda L. Belkin, Princeton University, *Cooperative Rule-Based Systems for Aircraft Navigation and Control*

1989 - Frank van Graas, Ohio University, *Hybrid GPS/Loran-C: A Next Generation of Sole Means Air Navigation*

1988 - Sally A. Mathias, Ohio University, *Development of Siting Criteria for the Collocation of the Microwave Landing System (MLS) and the Approach Lighting System (ALS)*

1987 - Sanjaya Sharma, Ohio University, *Error Sources Affecting Differential or Ground Monitored Operation of the Navstar Global Positioning System*

1986 - Norry Dogan, Massachusetts Institute of Technology, *Final Approach Guidance Using an Altimeter-Aided Loran-C Display System*

1985 - John K. Einhorn, Massachusetts Institute of Technology, *Probabilistic Modeling of Loran-C for Nonprecision Approaches*

1984 - Jon S. Tatro, New Mexico State University, *A Horizontal Display for Vertical and Translational Navigation Flight Control*

1983 - Fujiko Oguri, Ohio University, *Area Navigation Implementation for a Microcomputer-Based Loran-C Receiver*

1982 - Joseph P. Fischer, Ohio University, *A Microcomputer-Based Position Updating System for General Aviation Utilizing Loran-C*

1981 - Kent A. Chamberlin, Ohio University, *Investigation and Development of VHF Ground-Air Propagation Computer Modeling including the Attenuating Effects of Forested Areas for Within-Line-of-Sight-Propagation Paths*
1980 - Dr. Dennis B. Beringer, University of Illinois, *Design and Evaluation of Complex Systems: Applications to a Man-Machine Interface for Aerial Navigation*

1979 - Paul Barton, University College, London, *Airborne Signal Processing for the Microwave Doppler Landing Systems*

1978 - James R. Becker, Jr., Dartmouth College, Thayer School of Engineering, *The Design of Airborne Navigation Equipment for General Aviation*

1977 - Chen-Chung Hsin, Massachusetts Institute of Technology, *Flight Transportation Laboratory, An Analytical Study of Advanced Terminal Area Air Traffic Management and Control*

1976 - Yuk-Bun Cheng, West Virginia University, *Analysis of Aircraft Antenna Radiation for Microwave Landing Systems Using Geometrical Theory of Diffraction*

1975 - Peter V. Hwoschinsky, Massachusetts Institute of Technology, *Flight Test and Evaluation of Omega Navigation for General Aviation Aircraft*