

## OHIO UNIVERSITY WINNERS OF THE WILLIAM E. JACKSON AWARD

- 2021 – Andrew Videmsek, Russ College of Engineering and Technology of Ohio University, *Aircraft Based GPS Augmentation Using an On-Board RADAR Altimeter for Precision Approach and Landing of Unmanned Aircraft 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*
- 2014 - Dr. Kuangmin Li, Ohio University, *Enhanced Distance Measuring Equipment Carrier Phase*
- 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*
- 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*
- 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*
- 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*
- 1994 - Dr. David Diggle, Ohio University, *Satellite-Based Positioning Systems for Flight Reference and Aircraft Autoland Operations*
- 1992 - Michael S. Braasch, Ohio University, *On the Characterization of Multipath Errors in Satellite-Based Precision Approach and Landing Systems*
- 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*
- 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*