

2011 AFRL/DAGSI Awards

Revised 5/16/11

Please note: if program funding for OH FY12/13 becomes available, each directorate will receive 1 additional award. Those projects next in line already are identified, and the teams will be notified as soon as possible if funding is secured. We apologize for the uncertainty, but we do not want to make commitments now that cannot be kept.

RB (Air Vehicles)

Topic RB11-12, L. McDonough and K. V. Singh (Miami U; M.S.), sponsors R. Kolonay and J. Camberos: Advanced Methods for Preliminary Design and Optimization—Design of Robust and Optimal Aeroelastic Control

Topic RB11-5, C. Sabo and K. Cohen (UC; Ph.D.), sponsor C. Schumacher: Cooperative Control of UAVs under Communication Constraints

RH (Human Effectiveness)

Topic RH11-4, M. Davis and L. Feth (OSU; Ph.D.), sponsor M. Spottswood: Detection of Aircraft by Human Listeners in Real-World Ambient Environments

Topic RH11-8, E. Untener and D. Comfort (UD; M.S.), sponsor S. Hussain: Bio-effects of Gold Nanorods as a Function of Aspect Ratio and Surface Chemistry

RX (Materials and Manufacturing)

Topic RX11-4, G. Loughnane and R. Grandhi (WSU; M.S.), sponsor M. Uchic: Characterization, Representation, and Simulation of Alloy Microstructures

Topic RX11-5, C. Strobe and Y. Zhuang (WSU; M.S.), sponsor J. Boeckl: Fundamentals of Low Dimensional Carbon Films Grown by Sublimation SiC

RY (Sensors)

Topic RY11-17, A. Curtis and D. Garmatyuk (Miami U; M.S.), sponsor R. Ewing: Cognitive Radar for Autonomous Systems

Topic RY11-8, S. Benson and H. Chen (WSU; Ph.D.), sponsor D. Lin: Monobit Ultra High Chirp Rate Digital Chirp Receiver Using Monobit IFM (Instantaneous Frequency Measurement) Digital Receiver as a Core

Topic RY11-15, R. Wolfarth and Y. Morton (Miami U; M.S.), sponsor T. Nguyen: Advanced GPS Receiver Algorithms for Assured Navigation

RZ (Propulsion)

Topic RZ11-6, S. Benton and J. Bons (OSU; Ph.D.), sponsor R. Sondergaard: The Application of Flow Control to Reduce Profile and Endwall Losses on a Highly Loaded Low Pressure Turbine Operating Off-Design

Topic RZ11-3, S. Etheridge and J. Lee (UC; M.S.), sponsor C. Carter: Characterization of Supersonic Flows using Laser-Based Diagnostics