

2015 AFRL/DAGSI Fellowship Awards

RH: Human Effectiveness

Hamza Mohammad Abdel-Latif and Soon Chung (WSU), sponsor Cheng: Detection and Segmentation of Dynamic Human Signatures from Clustered LIDAR Streams (MS)

Richard Agans and Oleg Paliy (WSU), sponsor Hussain: Biomolecular Interactions of Nanoparticles and other Aerospace Chemicals with Gut Microbial and Metabolite Profiles (Ph.D.)

Kevin Hatcher and Subhashini Ganapathy (WSU), sponsor Hagen: Understanding Human Performance Based on Biometrics for Adaptive Training (MS)

Alyssa Piasecki and Mary Fendley (WSU), sponsor Warren: Improving Anomaly Detection through Identification of Physiological Signatures of Cognitive Bias (MS)

Grant Slusher and Mateen Rizki (WSU), sponsor Grigsby: Development of Visualization Tools and Techniques for Mass Spectral and Volatile Organic Compound Sensor Development (MS)

Andrew Yerich and Lei Kerr (Miami U), sponsor Hussain: Development of Microfluidic Device for the Study of Aerospace Materials Deposition in the Lung (MS)

RQ: Aerospace Systems

Timothy Arnett and Kelly Cohen (UC), sponsor Kingston: Planning, Guidance, and Control for Multiple UAV Cooperative Operations (MS)

Marie Costanian and Thomas Whitney (UD), sponsor Clay: Development of Damage Models for Composite Structures (MS)

Marshall LeVett and Jack McNamara (OSU), sponsor Chona: Development of Parallel Time Marching Procedures for Structures Operating in Hypersonic Flows (Ph.D.)

Owen Macmann and Elad Kivelevitch/Kelly Cohen (UC), sponsor Behbahani: Intelligent Gas Turbine Control Systems and Engine Integrated Health Management Research (MS)

Sean Nuzum and Rory Roberts/Mitch Wolff (WSU), sponsor Zumberge: Revolutionary Integrated Aerospace System for a Directed Energy Weapon (MS)

Timothy Seitz and Rama Yedavalli (OSU), sponsor Behbahani: Advanced Integrated Control, Diagnostics, and Health Management for Next Generation Propulsion Systems (Ph.D.)

Nicholas Truster and Andrew Sommers (Miami U), sponsor Bailie: Modeling the Heat Transfer Performance of an Aero Engine Recuperator with Design Optimization Capabilities (MS)

RX: Materials & Manufacturing

Greggory Gruen and Terry Murray (UD), sponsor Fairchild: Hybrid Materials for Advanced Pulsed Power Devices (Ph.D.)

Sarah Holcomb and Jason Heikenfeld (UC), sponsor Tabor: Organic Materials for Robust Electronic Interfaces with Gallium Liquid Metal Alloy (Ph.D.)

Rachel Krabacher and Charlie Browning (UD), sponsor Naik: Evolution of Amino Acid Sequences: Peptide Binding to Nanomaterials (MS)

Michael Lee and Marina Ruggles-Wrenn (AFIT), sponsor Przybyla: Stochastic Microstructure-Property Relationships for Damage of Continuous Ceramic Fiber Reinforced Ceramic Matrix Composites in Gas Turbine Engine Environments (MS)

Ryan O'Dell and Michael Heben (U Toledo), sponsor Brown: Multifunctional Oxide Heterostructures for RF and Memory Devices (Ph.D.)

RY: Sensors

Patryk Giza and Dmitriy Garmatyuk (Miami U), sponsor Minges: Reconfigurable RF Systems (MS)

Adam Kimura and Steven Bibyk (OSU), sponsor Casto: Developing a Hardware Vulnerability Taxonomy and Fault Scoring System Framework for the Advancement of Trust Metrics (Ph.D.)

Jeffrey Kula and John Volakis (OSU), sponsor Minges: Reconfigurable Band Rejection and Band-pass Frequency Selective Structures (Ph.D.)

Eric Martin and Ronald Reano (OSU), sponsor Devgan: Investigation of RF Photonics for Advanced Signal Processing (MS)