

2017 AFRL/DAGSI Fellowship Awards

RH: Human Effectiveness

Rebecca Browning and Kristen Comfort (UD), sponsor Stolle: Development of an Enhanced *In Vitro* Detoxification Model for Aerospace Toxicology (MS)

Gabrielle Fadul and Lei Kerr (Miami U), sponsor Hussain: Development of Portable Respiratory Device for Field Toxicity Study (MS)

Jamison Reifsteck and Laura Sagle (UC), sponsor Chavez: Interfacing Nanoparticle Arrays on Flexible Substrates with Optical Fibers for Improved LSPR Biosensing (Ph.D.)

Cogan Shimizu and Michelle Cheatham (WSU), sponsor Schmidt: KAST – Knowledge Analytics Using Semantic Technologies (Ph.D.)

RQ: Aerospace Systems

Adam Donovan and Rory Roberts (WSU), sponsor Beran: Transient Design Optimization Methodology for Air Vehicles (Ph.D.)

Ryan Hendrickson and Mitch Wolff/Rory Roberts (WSU), sponsor Patnaik: Future Advanced Air Vehicle Optimization (MS)

Logan Naber and Mark Turner (UC), sponsor Litke: Thrust to Weight Ratio Improvement of Jetcat P400 (Ph.D.)

Troy Shilt and Jack McNamara (OSU), sponsor Chona: Model Reduction of Turbulent Flows Using a Generalized Finite Element Approach (Ph.D.)

RX: Materials & Manufacturing

Courtney Ambrozic and Keigo Hirakawa (UD), sponsor Przybyla: Stochastic Structure-Property Relationships of Continuous Ceramic Fiber Reinforced Ceramic Matrix Composites in Application Environments (MS)

Phillip Hagerty and Christopher Muratore (UD), sponsor Glavin: Flexible and Conformal RF Electronic Materials and Devices (Ph.D.)

Nick Sears and Ryan Harne (OSU), sponsor Buskohl: Conductive, Elastomeric Architectures for Enhanced Survivability of Electronic Systems (MS)

Luke Wirth and Amir Farajian (WSU), sponsor Woodward: First Principles Calculations of Solution Hardening Kinetics (Ph.D.)

RY: Sensors

Andrea Aboujaoude and Joseph Haus (UD), sponsor Hendrickson: Nanopatterned Phase-Change Materials for High-Speed, Continuous Phase Modulation (MS)

Alexander Johnson and John Volakis (OSU), sponsor Liou: Low Cost and Low Power Ultra Wideband Beam Forming –RF Front End (Ph.D.)

Eric Martin and Ronald Reano (OSU), sponsor Devgan: Applications of RF Photonics for Advanced Signal Processing (Ph.D.)

Richard Williams and Rachel Aga (WSU), sponsor Heckman: Nanomaterial-Polymer Nanocomposites with Enhanced Dielectric Constant and Thermal Conductivity: An Additive Approach to Fabricating Nanocomposites (MS)