

Research Infrastructure Development (RID) Current and Past Awardees

Institution	Principal Investigator	Title	Period of Performance
AAMU	Dr. Tianxi Zhang	“MHD Simulation of Non-Flux-Rope CMEs Associated with Impulsive SEP Events”	6/1/08 – 5/31/12
AU	Dr. Maria Auad	“Shape Memory Behavior Induced by UV Light”	1/1/11 – 5/31/12
AU	Dr. Luke J. Marzen	“An Investigation of Wet-target Craters on Mars”	6/1/06 – 5/31/08
AU	Dr. George Flowers	“Vibration Characterization and Control of Composite Rotor Systems for Propulsion and Power”	8/1/03 – 1/30/07
UA	Dr. Jaber Abu Qahouq	“Single-Sensor Single-Controller Multi-Channel Solar PV Distributed Solar Grid System with Plug and Play Capability for Space Applications”	1/1/11 – 5/31/12
UA	Dr. Timothy Masterlark	“Exploring the Interior of an Active Volcano with Satellite Radar Data and Numerical Models”	1/1/11 – 5/31/12
UA	Dr. Greg Thompson	“Elucidation of Macro-alloy Treatments in High Temperature Shape Memory Alloys”	6/1/08 – 5/31/10
UA	Dr. Amy Lang	“Microgeometries for Boundary Layer Control”	6/1/08 – 5/31/11
UA	Dr. Patrick Kung	“High Efficiency Photovoltaics Using III-Nitride Materials for Space Applications”	6/1/08 – 5/31/11
UA	Dr. Semih Olcmen	“Parametric Study of Impinging/Counterflow Supersonic Jets”	6/1/06 – 5/31/08
UA	Dr. Duane Johnson	“Interfacial Properties of Ferrofluid Droplets for Biomaterial Applications”	8/1/03 – 1/30/07
UAB	Dr. Andrei Stanishevsky	“Nanoporous Multilayer Metal – Complex Oxide Ceramic Nanoparticle Compacts for Membrane Technologies in ISRU Systems”	6/1/06 – 5/31/08

UAB	Dr. Renato P. Camata	"Anisotropy Design in Carbon-Based Coatings Using Nanoparticle Beams"	8/1/03 – 1/30/07
UAH	Dr. Lingze Duan	"High-Precision Remote Measurement of Target Kinematics based on Femtosecond Frequency Comb Lasers"	1/1/11 – 5/31/12
UAH	Dr. Gang Li	"Modelling Particle Acceleration and Transport in the Inner Heliosphere"	6/1/08 – 5/31/11
UAH	Dr. Junpeng Guo	"Nano-plasmonic Sensors for Space Exploration"	6/1/08 – 5/31/12
UAH	Dr. Lior Burko	"Towards a Wave-Extraction Method for Numerical Relativity Simulations of Compact Binary Inspirals"	6/1/06 – 7/31/08 8/3/09 – 5/31/12
UAH	Dr. Stephen J. Paddison	"A Computational Study of Factors Governing Proton Conductivity in Anhydrous Proton-Conductivity Polymeric Membranes for Fuel Cells"	6/1/06 – 5/31/08
USA	Dr. Jihua Gou	"Innovative Manufacturing of Hybrid Nanocomposites with Engineered Carbon Nanopapers for Cryogenically Cycled Structure"	6/1/06 – 5/31/07