

## Research Award Recipients 2009-2010

McDaniel, Ryan / Molina (MEEET) Implementation of wear and directional photoemission measurement capabilities to a high vacuum instrument

McHugh, Andrea C. / Trupe (Geology) Structural Geology of Paleozoic shear zones in the Blue Ridge thrust complex, western NC and eastern TN

Segal, Chad / Soloin (MEEET) Smart and Lean ECU for High Efficiency and Low Emissions Bio Ethanol Green Engine

Sparrow, Jessica / Rostal (Biology) Temperature variations within and among Loggerhead Sea Turtle (*Caretta carretta*) nests across the season: Possible influence on hatchling sex ratios.

Carruth, Wade / Harrison (Biology) Population genetics of the American alligator (*Alligator mississippiensis*)

Boring, James / Rios (MEEET) The Design Fabrication of an Autonomous Mission Specific Robot

Carlson, Michelle / George (Biology) Shell Utilization by juvenile fiddler crabs varies with substrate quality and species

McElveen, Stephen / Tu (Geography) Using Geographic Information Systems (GIS) to Study Low Birth Weight (LBW) Prevalence in Georgia Public Health District 9

Labelle, Sara R. / Shen (CET) Application of GPS and GIS Technologies in Travel Time and Delay Study

Turner, Jonathan / Rahman (MEEET) Design Fabrication and Performance measurement of a Prototype Savonius Rotor Vertical Axis Energy Conversion System

Kritter, Alison / Cawthorn (Biology) Method of Insect Foraging in Owl Monkeys (*Aotus* spp): Sight or Sound?

Cheatham, JoAnna / Rios (MEEET) LEGO Robotics Research

Cooper, Vanessa N. / Wang (Math) Exploring extremal trees of chemical indices through algorithm design and computer programming