

**FLORIDA INTERNATIONAL UNIVERSITY DIVISION OF RESEARCH
OFFICE OF SPONSORED RESEARCH
JANUARY AWARDS OVERVIEW**

Florida International University researchers were awarded **\$3,109,752** in January 2008. Listed below is a summary of awards received for *\$50,000 or more* during the month of January.

PI: Osama Mohammed
Electrical and Computer Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *Development of the FE-Based Physical Machine Models for Control and Drive Simulation and Creation of a Reduced Scale Shipboard Power System Laboratory Test-Bed* **AWARD:** \$ 300,000

PI: Nancy Ponn
Children's Creative Learning Center
AWARDING SPONSOR: Department of Education
TITLE: *Child Care Access Means Parents in School* **AWARD:** \$ 265,467

PI: Osama Mohammed
Electrical and Computer Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *Sensorless Control for Low Speed, High Torque PM Motors For Rotary Actuation* **AWARD:** \$ 185,192

PI: Patricia Barbetta
Educational and Psychological Studies Department
AWARDING SPONSOR: Florida Department of Education
TITLE: *Personnel Development Partnership/State Personnel Development Grants (PDP/SPDG)* **AWARD:** \$ 176,380

PI: Kathleen Blais
School of Nursing
AWARDING SPONSOR: Florida Department of Education
TITLE: *Enhancing Registered Nurse Career Advancement* **AWARD:** \$ 150,000

PI: Patricia Barbetta
Educational and Psychological Studies Department
AWARDING SPONSOR: Florida Department of Education
TITLE: *Subproject: Personnel Development Partnership/State Personnel Development Grants (PDP/SPDG)* **AWARD:** \$ 133,467

PI: Michael McClain
Environmental Studies
AWARDING SPONSOR: Inter-American Institute for Global Change Research
TITLE: *Caribbean Coastal Scenarios* **AWARD:** \$ 130,858

PI: Raju Rangaswami
 School of Computing and Information Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *Building Efficient, Native Storage Systems for Semi-structured Data* **AWARD:** \$ 130,000

PI: Richard Burton
 Applied Research Center
AWARDING SPONSOR: Boeing Company
TITLE: *Boeing - Aleut* **AWARD:** \$ 128,758

PI: Kuang-Hsi Wu
 Mechanical and Materials Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *Three Dimensional Fused CNT-Polymer NanoComposites* **AWARD:** \$ 116,215

PI: George Dulikravich
 Mechanical and Materials Engineering
AWARDING SPONSOR: Air Force Office of Scientific Research
TITLE: *Hybrid Robust Multi-Objective Evolutionary Optimization Algorithm* **AWARD:** \$ 103,944

PI: Wenzhi Li
 Physics
AWARDING SPONSOR: National Science Foundation
TITLE: *CAREER: Synthesis and Electronic/Electrical Properties of Carbon Nanotube Junctions* **AWARD:** \$ 102,409

PI: Jaie Laplante
 External Relations
AWARDING SPONSOR: Miami Beach Visitor & Convention Authority
TITLE: *2008 South Beach Wine and Food Festival* **AWARD:** \$ 89,416

PI: Osama Mohammed
 Electrical and Computer Engineering
AWARDING SPONSOR: Office of Naval Research
TITLE: *The Common Stator Concept for Electric Machine Designs For Naval Applications* **AWARD:** \$ 75,003

PI: Albert Gan
 Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Transportation
TITLE: *ITS Technical and Research Support #5* **AWARD:** \$ 75,000

<p>PI: Allan Rosenbaum Institute for Public Management and Community Service AWARDING SPONSOR: Miami-Dade County Seaport TITLE: <i>XIV Inter-American Conference of Mayors and Local Authorities</i></p>	<p>AWARD: \$ 62,447</p>
<p>PI: Kevin O'Shea Chemistry AWARDING SPONSOR: University of Cincinnati TITLE: <i>Monitoring Photochemical Fate and Degradation of Cyanotoxins Estuaries by UV and Solar Tech</i></p>	<p>AWARD: \$ 61,851</p>
<p>PI: Kenneth Furton Chemistry AWARDING SPONSOR: Army Research Office TITLE: <i>Optimization of Sorbent Materials for the Collection and Analysis of Human Scents</i></p>	<p>AWARD: \$ 56,634</p>
<p>PI: Amir Mirmiran Civil and Environmental Engineering AWARDING SPONSOR: Division of Emergency Management TITLE: <i>Subproject: Hurricane Loss Reduction (RCMP) – Performance of Gable End Wall Bracing Retrofit for Hurricane Protection</i></p>	<p>AWARD: \$ 55,000</p>
<p>PI: Rene M. Price Southeast Environmental Research Center AWARDING SPONSOR: National Park Service TITLE: <i>Subproject: Phosphorous Retention and Subsurface Movement Through the S-332 (Phase II)</i></p>	<p>AWARD: \$ 54,093</p>