

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

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Florida International University researchers were awarded **\$2,809,359** in March 2007. Listed below is a summary of awards received for *\$50,000 or more* during the month of March.

**PI:** Amir Mirmiran  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation Research Center  
**TITLE:** *STR-01 Alternatives to Steel Grid Decks* **AWARD:** \$ 224,500

**PI:** Ping Zhu  
Earth Sciences  
**AWARDING SPONSOR:** National Oceanic & Atmospheric Administration  
**TITLE:** *Florida Hurricane Alliance Round 2* **AWARD:** \$ 191,470

**PI:** Dario Moreno  
Metropolitan Research Center  
**AWARDING SPONSOR:** City of Miami  
**TITLE:** *City of Miami, 2007 Earned Income Tax Credit* **AWARD:** \$ 173,999

**PI:** Fernando Miralles-Wilhelm  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** *Antigua and Barbuda Coastal and Marine Ecosystem Management Plan* **AWARD:** \$ 119,055

**PI:** Alexander Mebel  
Chemistry  
**AWARDING SPONSOR:** The Research Corporation of the University of Hawaii  
**TITLE:** *CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere* **AWARD:** \$ 117,394

**PI:** Wendy K Silverman  
Psychology  
**AWARDING SPONSOR:** National Institute of Mental Health  
**TITLE:** *Psychosocial Mediation Trials and Minority Trainees* **AWARD:** \$ 114,704

**PI:** Richard Burton  
Applied Research Center  
**AWARDING SPONSOR:** Boeing  
**TITLE:** *Boeing-DACA Support Services* **AWARD:** \$ 103,992

**PI:** Malek Adjouadi  
 Electrical and Computer Engineering  
**AWARDING SPONSOR:** University of Texas at El Paso  
**TITLE:** *BPC-A: The Computing Alliance of Hispanic-Serving Institutions* **AWARD:** \$ 101,690

**PI:** John Stack  
 Jack D. Gordon Institute of Public Policy  
**AWARDING SPONSOR:** United States Intelligence Community  
**TITLE:** *A Center for Academic Excellence in Intelligence Studies* **AWARD:** \$ 98,662

**PI:** Hugh Willoughby  
 Arts & Sciences Dean's Office  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Tropical Cyclone Response to Time-Dependent Heating And Theory of Tropical Cyclone Motion* **AWARD:** \$ 93,043

**PI:** David Bray  
 International Studies  
**AWARDING SPONSOR:** Association Liaison Office for University of Cooperation in Development  
**TITLE:** *Community Forest Enterprises and Forest Ecosystem Conservation in Mexico* **AWARD:** \$ 92,821

**PI:** Jiandi Zhang  
 Physics  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *New Phases at Surfaces and Interfaces of Transition-Metal Oxides* **AWARD:** \$ 92,140

**PI:** Tiffany Troxler Gann  
 Southeast Environmental Research Center  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** *Calculating Nutrient and Hydrologic Fluxes in a Tree Island* **AWARD:** \$ 89,500

**PI:** George Dulikravich  
 Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Army Research Office  
**TITLE:** *Multi-Objective Optimization of Bulk Metallic Glasses* **AWARD:** \$ 83,542

**PI:** Rajamani Narayanan  
 Physics  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Lattice Field Theory and Hadronic Physics* **AWARD:** \$ 81,183

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

**PI:** Osama Mohammed  
 Electrical and Computer Engineering  
**AWARDING SPONSOR:** Office of Naval Research  
**TITLE:** *The Common Stator Concept for Electric Machine Designs For Naval Application*      **AWARD:** \$ 75,000

**PI:** Allan Rosenbaum  
 Institute for Public Management and Community Service  
**AWARDING SPONSOR:** Miami-Dade County Seaport  
**TITLE:** *XIII Inter-American Conference of Mayors and Local Authorities*      **AWARD:** \$ 72,216

**PI:** Eric Crumpler  
 Biomedical Engineering  
**AWARDING SPONSOR:** Nanomaterials Company  
**TITLE:** *Decontaminating Agents for Chemical Warfare*      **AWARD:** \$ 72,156

**PI:** Kalai Mathee  
 Biological Sciences  
**AWARDING SPONSOR:** National Institute of Health  
**TITLE:** *Ginseng as a Therapeutic Agent against P. Aeruginosa*      **AWARD:** \$ 68,601

**PI:** Richard Burton  
 Applied Research Center  
**AWARDING SPONSOR:** Tetra Tech, Inc.  
**TITLE:** *Travel-Tetra Tech*      **AWARD:** \$ 50,200

**PI:** Mohammed Hadi  
 Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation Research Center  
**TITLE:** *Traffic Engineering Services and ITS Technical Support*      **AWARD:** \$ 50,000