

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

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Florida International University researchers were awarded **\$7,638,080** in August 2007. Listed below is a summary of awards received for *\$50,000 or more* during the month of August.

**PI:** Gustavo Roig  
Engineering Dean's Office  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** *GEAR UP South Dade Empowerment Zone* **AWARD:** \$ 1,177,598

**PI:** Cathy Leff  
The Wolfsonian  
**AWARDING SPONSOR:** Institute of Museum & Library Services  
**TITLE:** *Development and Host 2008 & 2009 WebWise Conferences* **AWARD:** \$ 499,701

**PI:** Robert Vos  
Greater Miami Urban Education Pact  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** *GEAR UP Edison Success Zone* **AWARD:** \$ 444,190

**PI:** Joanne Youngblut  
School of Nursing  
**AWARDING SPONSOR:** national Institutes of Health  
**TITLE:** *Death in the PICU/NICU: Parent and Family Functioning* **AWARD:** \$ 421,775

**PI:** Joan Wynne  
Department Educational Leadership and Policy  
**AWARDING SPONSOR:** The Children's Trust  
**TITLE:** *AP/YPP Mathematics Literacy Program* **AWARD:** \$ 369,484

**PI:** Debra Danker  
FIU-HRS Professional Development Center  
**AWARDING SPONSOR:** Our Kids of Miami-Dade, Inc.  
**TITLE:** *District 11 / OurKids* **AWARD:** \$ 363,913

**PI:** Jiandi Zhang  
Physics  
**AWARDING SPONSOR:** Infrastructure Support Program for HBCU/MI  
**TITLE:** *Acquisition of an X-Ray/UV Photoelectron Spectroscopy Setup for Materials Research and Education* **AWARD:** \$ 316,600

<b>PI:</b> Sofia Santiesteban Upward Bound Program <b>AWARDING SPONSOR:</b> Department of Education <b>TITLE:</b> <i>Upward Bound Program</i>	<b>AWARD:</b> \$ 289,289
<b>PI:</b> Suzanna Rose Psychology <b>AWARDING SPONSOR:</b> The Children's Trust <b>TITLE:</b> <i>PAT4YOU</i>	<b>AWARD:</b> \$ 253,632
<b>PI:</b> Anuradha Godavarty Biomedical Engineering <b>AWARDING SPONSOR:</b> national Institutes of Health <b>TITLE:</b> <i>A Novel Hand-Held Based Optical Imager for Fluorescence Imaging of Breast Cancer</i>	<b>AWARD:</b> \$ 196,644
<b>PI:</b> Maureen C. Kenny Educational and Psychological Studies Department <b>AWARDING SPONSOR:</b> The Children's Trust <b>TITLE:</b> <i>Keeping Kids Safe</i>	<b>AWARD:</b> \$ 190,589
<b>PI:</b> Michael Ross Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> National Park Service <b>TITLE:</b> <i>Cape Sable Seaside Sparrow Habitat Monitoring and Assessment Plan 2007</i>	<b>AWARD:</b> \$ 180,278
<b>PI:</b> Arindam Gan Chowdhury Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Hurricane Wind Simulation and Testing to Develop Damage Mitigation Techniques</i>	<b>AWARD:</b> \$ 149,997
<b>PI:</b> Sofia Santiesteban Upward Bound Program <b>AWARDING SPONSOR:</b> Florida Department of Education <b>TITLE:</b> <i>South Florida Consortium</i>	<b>AWARD:</b> \$ 126,616
<b>PI:</b> Eduardo Gamarra Latin American and Caribbean Center <b>AWARDING SPONSOR:</b> University of Florida <b>TITLE:</b> <i>National Resource Center (NRC) &amp; Foreign Language and Areas Studies (FLAS) Programs</i>	<b>AWARD:</b> \$ 124,831

**PI:** Pete Markowitz  
 Physics  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *An Inter-Regional Grid-Enabled Center for Research and Educational Outreach at Florida International University*      **AWARD:** \$ 105,121

**PI:** Purushothaman Damodaran  
 Industrial and Systems Engineering  
**AWARDING SPONSOR:** Innovative Scheduling  
**TITLE:** *Integrating Hump Year Operation with Railroad Blocking*      **AWARD:** \$ 105,038

**PI:** Amanda Niguidula  
 Student Affairs  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** *The Johnson Scholarship Foundation Career Services Program (JSFCSP)*      **AWARD:** \$ 100,000

**PI:** Elizabeth Cramer  
 Educational and Psychological Studies Department  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** *Project CREATE*      **AWARD:** \$ 99,938

**PI:** Piero Gardinali  
 Southeast Environmental Research Center  
**AWARDING SPONSOR:** Collier County, Florida  
**TITLE:** *Providing Contaminant Data for Coastal Management: Assessing the Effects of Land Based Sources of Pollution on Collier County's Estuaries and their Associated Watersheds*      **AWARD:** \$ 95,454

**PI:** Laird Kramer  
 Physics  
**AWARDING SPONSOR:** American Physics Society  
**TITLE:** *FIU PhysTEC Primary Partner Institution Proposal*      **AWARD:** \$ 90,501

**PI:** Joseph Boyer  
 Southeast Environmental Research Center  
**AWARDING SPONSOR:** National Oceanic & Atmospheric Administration  
**TITLE:** *Volume Transport and Nutrient Loading to Florida Bay Through Flamingo Channel*      **AWARD:** \$ 86,800

**PI:** Kathleen S. Rein  
 Chemistry  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** *Environmental Health Science at Florida International University*      **AWARD:** \$ 84,073

<b>PI:</b> Eduardo Gamarra International Studies <b>AWARDING SPONSOR:</b> Merck Sharp & Dohme Argentina, Inc. <b>TITLE:</b> <i>Intellectual Property Workshops</i>	<b>AWARD:</b> \$ 75,000
<b>PI:</b> Chongsheng Cao Mathematics <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Analytical Study of Certain Turbulence and Large-Scale Geophysical Models</i>	<b>AWARD:</b> \$ 73,844
<b>PI:</b> James Fourqurean Southeast Environmental Research Center <b>AWARDING SPONSOR:</b> National Oceanic & Atmospheric Administration <b>TITLE:</b> <i>Benthic Habitat Monitoring in the Florida Keys National Marine Sanctuary – FY2006</i>	<b>AWARD:</b> \$ 68,019
<b>PI:</b> Gustavo Roig Center for Diversity in Engineering and Computing <b>AWARDING SPONSOR:</b> Public School System <b>TITLE:</b> <i>Florida Action for Minorities in Engineering (FLAME)</i>	<b>AWARD:</b> \$ 66,086
<b>PI:</b> Albert Gan Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> Cambridge Systematic, Inc. <b>TITLE:</b> <i>Development of Standard Reporting Templates for FSUTMS</i>	<b>AWARD:</b> \$ 65,000
<b>PI:</b> Surendra Saxena Mechanical and Materials Engineering <b>AWARDING SPONSOR:</b> DOE Alliance Center <b>TITLE:</b> <i>High Pressure Geophysics &amp; Materials Science</i>	<b>AWARD:</b> \$ 64,999
<b>PI:</b> Nikolas Tsoukias Biomedical Engineering <b>AWARDING SPONSOR:</b> American Heart Association <b>TITLE:</b> <i>Signal Transduction in the Regulation of Microcirculatory Vascular Tone Involving Nitric Oxide</i>	<b>AWARD:</b> \$ 64,974
<b>PI:</b> Michael Sukop Earth Sciences <b>AWARDING SPONSOR:</b> National Science Foundation <b>TITLE:</b> <i>Lattice Boltzmann Methods for Concentration and Temperature Induced Density Driven Flows</i>	<b>AWARD:</b> \$ 63,453

**PI:** Bruce Douglas  
International Hurricane Research Center  
**AWARDING SPONSOR:** National Aeronautics & Space Administration  
**TITLE:** *Global Sea Level in a Changing Environment – 20<sup>th</sup> Century  
Sea Level Rise* **AWARD:** \$ 63,400

**PI:** Frank Jochem  
Biological Sciences  
**AWARDING SPONSOR:** National Aeronautics & Space Administration  
**TITLE:** *NGOMEX 2006-Using Spatially-Explicit, High-Resolution  
Rusveys and Modeling to Quantify Hypoxia Effects on the Louisiana's  
Shelf Living Resources* **AWARD:** \$ 62,795

**PI:** Michael Ross  
Southeast Environmental Research Center  
**AWARDING SPONSOR:** National Park Service  
**TITLE:** *Marl Prairie/Slough Gradients: Monitoring Conducted as  
Part of the CERP Monitoring & Assessment Plan, Activity  
Number: 3.1.3.5* **AWARD:** \$ 60,606

**PI:** Wei-Chiang Lin  
Biomedical Engineering  
**AWARDING SPONSOR:** Miami Children's Hospital  
**TITLE:** *Optimizing Pediatric Brain Tumor Surgery Through Optical  
Spectoscopy to Enhance Survival and Quality of Life* **AWARD:** \$ 60,000

**PI:** Steven Oberbauer  
Biological Sciences  
**AWARDING SPONSOR:** San Diego State University  
**TITLE:** *Biocomplexity Associated with the Response of Arctic Tundra  
Carbon Balance to Warming and Drying Across Multiple Spatial  
And Temporal Scales* **AWARD:** \$ 51,397

**PI:** Anthony J. McGoron  
Biomedical Engineering  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** *Eminent Chair* **AWARD:** \$ 50,000