

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

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Florida International University researchers were awarded **\$11,928,727** in June 2008. Listed below is a summary of awards received for *\$20,000 or more* during the month of June.

**PI:** W. Kinzy Jones  
Mechanical and Materials Engineering  
**AWARDING SPONSOR:** Air Force Office of Scientific Research  
**TITLE:** *Bio/Nano Electronic Defense Devices and Sensors*                      **AWARD:** \$ 1,904,140

**PI:** Mario De La Rosa  
School of Social Work  
**AWARDING SPONSOR:** National Center on Minority Health and Health Disparities  
**TITLE:** *Center for Substance Use and AIDS Research on Latinos in the United States*                      **AWARD:** \$ 1,282,375

**PI:** Naphtali D. Rishe  
School of Computing and Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *MRI: Development of a High-Performance Database Appliance For Geospatial Applications*                      **AWARD:** \$ 1,000,000

**PI:** Virginia McCoy  
Public Health  
**AWARDING SPONSOR:** National Institutes on Alcohol Abuse and Alcoholism  
**TITLE:** *HIV Risk Reduction in Migrant Workers*                      **AWARD:** \$ 584,319

**PI:** Robert M. Malow  
Public Health  
**AWARDING SPONSOR:** Natinal Institute on Drug Abuse (NIDA)  
**TITLE:** *Multi-level HIV Prevention for Pregnant Drug Abusers*                      **AWARD:** \$ 521,798

**PI:** Kathleen Blais  
School of Nursing  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields*                      **AWARD:** \$ 507,925

**PI:** Eric F. Wagner  
School of Social Work  
**AWARDING SPONSOR:** National Institutes on Alcohol Abuse and Alcoholism  
**TITLE:** *Brief Intervention of Minority Adolescents*                      **AWARD:** \$ 444,402

**PI:** Saul Sztam  
School of Public Health  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields* **AWARD:** \$ 392,000

**PI:** Nikolaos Tsoukias  
Biomedical Engineering  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** *Theoretical and Experimental Investigations of Microcirculatory Signaling (SCI)* **AWARD:** \$ 274,000

**PI:** Mohammed Hadi  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** *Decision Support Tools to Support the Operations of Traffic Management Centers (TMC)* **AWARD:** \$ 250,000

**PI:** Chunlei Wang  
Mechanical and Materials Engineering  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Surace Engineered Carbon Electrodes for Biosensor Arrays* **AWARD:** \$ 249,994

**PI:** Shahin Vassigh  
Architecture  
**AWARDING SPONSOR:** Office of Postsecondary Education (OPE)  
**TITLE:** *Building Literacy: The Integration of Building Technology and Design in Architectural Education* **AWARD:** \$ 244,782

**PI:** Kathryn Anderson  
School of Nursing  
**AWARDING SPONSOR:** National Center on Minority Health and Health Disparities  
**TITLE:** *Training in Chronic Illness Research in Florida and Europe* **AWARD:** \$ 242,187

**PI:** Gustavo Roig  
Engineering Dean's Office  
**AWARDING SPONSOR:** The Children's Trust  
**TITLE:** *ENLACE Miami/Children Trust Expansion* **AWARD:** \$ 229,000

**PI:** Albert Gan  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** *Development of a Data Framework for FSUTMS* **AWARD:** \$ 205,000

**PI:** Patricia Barbetta  
Educational and Psychological Studies Department  
**AWARDING SPONSOR:** Department of Education  
**TITLE:** *Project QUEST* **AWARD:** \$ 200,000

**PI:** Kenneth Furton  
Chemistry  
**AWARDING SPONSOR:** Army Research Office  
**TITLE:** *Optimization of Sorbent Materials for the Collection and Analysis of Human Scent* **AWARD:** \$ 168,496

**PI:** Malek Adjouadi  
Electrical and Computer Engineering  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Hardware-Software Integration for the Design of Real-Time Prototypes Merging Assistive Technologies to Neuroscience* **AWARD:** \$ 158,472

**PI:** Joan Wynne  
Greater Miami Urban Education Pact (GMUEP)  
**AWARDING SPONSOR:** The Children's Trust  
**TITLE:** *Subproject: AP/YPP Mathematics Literacy Program* **AWARD:** \$ 158,000

**PI:** Naphtali D. Rishe  
School of Computing and Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Investigation of Geospatial Data Management on MapReduce Platform* **AWARD:** \$ 150,000

**PI:** Fabian Cevallos  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** *Florida APTS Program* **AWARD:** \$ 150,000

**PI:** Leonard Elbaum  
Department of Physical Therapy  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields* **AWARD:** \$ 141,556

**PI:** Albert Gan  
Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Atlantic University  
**TITLE:** *Year 2 UCITSS: Evaluation and Refinement of Incident Detection Strategies on Major Arterial Streets* **AWARD:** \$ 137,000

**PI:** Leonard Scinto  
 Southeast Environmental Research Center  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** *Loxahatchee Impoundment Landscape Assessment (LILA) Tree Island Experiments and Site Management* **AWARD:** \$ 128,500

**PI:** Anthony J. McGoron  
 Biomedical Engineering  
**AWARDING SPONSOR:** Florida Department of Health  
**TITLE:** *Image Guided Intervention for Breast Cancer: Combined Hyperthermia and Chemotherapy with Reduced Cardiotoxicity* **AWARD:** \$ 123,352

**PI:** Margaret Maisel  
 Clinical Programs  
**AWARDING SPONSOR:** Florida Bar Foundation  
**TITLE:** *Children's Education Advocacy Clinic* **AWARD:** \$ 110,000

**PI:** Amy Paul-Ward  
 Occupational Therapy  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields* **AWARD:** \$ 108,889

**PI:** Anuradha Godavarty  
 Biomedical Engineering  
**AWARDING SPONSOR:** BankHead-Coley Florida Biomedical Research Program  
**TITLE:** *Diagnostic Mammography Using Real Time Co-Registering Novel Hand-Held Optical Imager* **AWARD:** \$ 108,000

**PI:** Niki Pissinou  
 Telecommunications & Information Technology Institute  
**AWARDING SPONSOR:** Department of Homeland Security  
**TITLE:** *Subproject: Secure and Trusted Context Aware Adaptable Sensors Networks* **AWARD:** \$ 106,275

**PI:** Albert Gan  
 Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation/District Four  
**TITLE:** *ITS Research, Computer and Miscellaneous Support* **AWARD:** \$ 100,000

**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:** \$ 99,986

**PI:** Yimin Zhu  
 Contruction Management  
**AWARDING SPONSOR:** Florida Department of Transportation  
**TITLE:** *Development of Improved Information Management Processes For FDOT Dispute Review Board System* **AWARD:** \$ 96,480

**PI:** Sharon Pontious  
 School of Nursing  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields* **AWARD:** \$ 81,299

**PI:** Albert Gan  
 Civil and Environmental Engineering  
**AWARDING SPONSOR:** Florida Department of Transportation/District Six  
**TITLE:** *ITS Technical and Research Support #7* **AWARD:** \$ 80,000

**PI:** Fenfei Leng  
 Chemistry  
**AWARDING SPONSOR:** Florida Department of Health  
**TITLE:** *Subproject: Image Guided Intervention for Breast Cancer: Combined Hyperthermia and Chemotherapy with Reduced Cardiotoxicity* **AWARD:** \$ 76,648

**PI:** Julissa Castellanos  
 Office of the Provost  
**AWARDING SPONSOR:** FIU Foundation  
**TITLE:** *Environmental Studies at the Biscayne Bay Campus of FIU* **AWARD:** \$ 70,000

**PI:** Luz Porter  
 School of Nursing  
**AWARDING SPONSOR:** Health Resources and Services Administration  
**TITLE:** *Advanced Education Nursing Traineeship at FIU* **AWARD:** \$ 64,998

**PI:** Kathleen S. Rein  
 Chemistry  
**AWARDING SPONSOR:** University of Miami  
**TITLE:** *Toxic Algae* **AWARD:** \$ 59,576

**PI:** Laura Nenzi  
 History  
**AWARDING SPONSOR:** National Endowment for the Humanities  
**TITLE:** *Female Activists and Political Change During the 1868 Meiji Restoration in Japan* **AWARD:** \$ 50,400

<b>PI:</b> Bianca Premo History <b>AWARDING SPONSOR:</b> National Endowment for the Humanities <b>TITLE:</b> <i>Taking Tyrants to Court: Civil Litigation in the Spanish Empire</i>	<b>AWARD:</b> \$ 50,400
<b>PI:</b> Susan Webster Office of Sponsored Research Administration <b>AWARDING SPONSOR:</b> Florida Board of Governors <b>TITLE:</b> <i>Integrating Support for Biomedical Technology Transfer At FIU</i>	<b>AWARD:</b> \$ 50,000
<b>PI:</b> Jennifer Fu University Libraries <b>AWARDING SPONSOR:</b> Palm Beach County/Metropolitan Planning Organization <b>TITLE:</b> <i>Integrated Transportation Information System for Community Characteristic Program (MPO)</i>	<b>AWARD:</b> \$ 49,886
<b>PI:</b> Krish Jayachandran Environmental Studies <b>AWARDING SPONSOR:</b> South Florida Water Management District <b>TITLE:</b> <i>Discovery, Development and Evaluation of Native Microbial Biological Control Agents for Managing Invasive Old World Climbing Fern (Lygodium Microphyllum) in the South Florida Natural Areas</i>	<b>AWARD:</b> \$ 49,500
<b>PI:</b> Noma Anderson Communication Sciences and Disorders <b>AWARDING SPONSOR:</b> Health Resources and Services Administration <b>TITLE:</b> <i>Subproject: Scholarship for Disadvantaged Students in Nursing and Public Health Fields</i>	<b>AWARD:</b> \$ 43,556
<b>PI:</b> Steven Heine Asian Studies <b>AWARDING SPONSOR:</b> Japan Foundation <b>TITLE:</b> <i>Staff Expansion</i>	<b>AWARD:</b> \$ 39,844
<b>PI:</b> Hector Fuentes Civil and Environmental Engineering <b>AWARDING SPONSOR:</b> Department of Energy <b>TITLE:</b> <i>Subproject: ARC FY 06 Project 1.0</i>	<b>AWARD:</b> \$ 35,974
<b>PI:</b> Magalie Desroches Austin Law Dean's Office <b>AWARDING SPONSOR:</b> Florida Bar Foundation <b>TITLE:</b> <i>Public Service Fellows Program</i>	<b>AWARD:</b> \$ 32,000

**PI:** Dario Gonzalez  
Metropolitan Center  
**AWARDING SPONSOR:** Palm Beach County/Metropolitan Planning Organization  
**TITLE:** *Subproject: Integrated Transportation Information System for Community Characteristic Program (MPO)* **AWARD:** \$ 31,375

**PI:** Amanda Niguidula  
Victim Advocacy Center (VAC)  
**AWARDING SPONSOR:** Florida Alliance for Assistive Services and Technology  
**TITLE:** *FAAST Grant Year 4* **AWARD:** \$ 31,000

**PI:** Marcus Perry  
Industrial and Systems Engineering  
**AWARDING SPONSOR:** Northrop Grumman Corporation  
**TITLE:** *Human Predictive Reasoning for Group Interactions* **AWARD:** \$ 30,000

**PI:** Joseph Boyer  
Southeast Environmental Research Center  
**AWARDING SPONSOR:** Government of Bermuda, Conservation Services  
**TITLE:** *Water Quality Monitoring Program for Bermuda's Coastal Resources* **AWARD:** \$ 30,000

**PI:** Gustavo Roig  
Center for Diversity in Engineering & Computing  
**AWARDING SPONSOR:** Junior Engineering Technical Society  
**TITLE:** *JETS/Unite* **AWARD:** \$ 30,000

**PI:** Jeffrey Fan  
Electrical and Computer Engineering  
**AWARDING SPONSOR:** West Virginia University  
**TITLE:** *Sensor Optimization – Basic Research* **AWARD:** \$ 21,667

**PI:** Miriam Potocky-Tripodi  
School of Social Work  
**AWARDING SPONSOR:** International Rescue Committee  
**TITLE:** *Evaluation of Florida Freedom Partnership Service for Victims Of Human Trafficking* **AWARD:** \$ 20,000

**PI:** Naphtali D. Rishe  
School of Computing and Information Sciences  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** *Subproject: MII: Infrastructure for Research and Training in Database Management for Web-based Geospatial Data Visualization With Applications to Aviation* **AWARD:** \$ 20,000

**PI:** Bruce Nissen

Center for Labor Research and Studies

**AWARDING SPONSOR:** Service Employees International Union

**TITLE:** *Transforming Lives: The Impact of SEIU FHU on its Members  
and Civic Society*

**AWARD:** \$ 20,000