

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

Florida International University researchers were awarded **\$10,253,506** in September 2008. Listed below is a summary of awards received for *\$20,000 or more* during the month of August.

PI: Yi Deng
School of Computing and Information Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *CREST: Center for Innovative Information Systems Engineering* **AWARD:** \$ 1,805,975

PI: Michael McClain
Latin American and Caribbean Center
AWARDING SPONSOR: United States Agency for International Development
TITLE: *Transboundary Water for Biodiversity in the Mara River Basin, Kenya Tanzania* **AWARD:** \$ 1,173,044

PI: Dwayne McDaniel
Applied Research Center
AWARDING SPONSOR: Army Research Office
TITLE: *Aerospace Composites Research Program* **AWARD:** \$ 771,914

PI: Rudolf Jaffe
Southeast Environmental Research Center
AWARDING SPONSOR: National Park Service
TITLE: *Renewal: Provide Office Services and Operational Technical Support to the South Florida Ecosystem Restoration Task Force, Office Of the Executive Director* **AWARD:** \$ 603,456

PI: Robert M. Malow
Public Health
AWARDING SPONSOR: National Institute on Drug Abuse
TITLE: *HIV Prevention Groups for AOD Using SMI Women* **AWARD:** \$ 480,878

PI: Fatma Huffman
Dietetics and Nutrition
AWARDING SPONSOR: National Institutes of Health
TITLE: *DVD Risk in Minority Populations with and without Type 2 Diabetes: Haitian & Black* **AWARD:** \$ 355,417

PI: Geoffrey S. Smith
School of Computing and Information Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *CT-ISG: New Foundations for Quantitative Information Flow* **AWARD:** \$ 335,852

PI: Stephen Leatherman
International Hurricane Research Center
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *The Florida Hurricane Alliance Research Program – Round 5* **AWARD:** \$ 279,730

PI: E. George Simms
Student Affairs
AWARDING SPONSOR: Department of Education
TITLE: *Upward Bound Math Science* **AWARD:** \$ 249,963

PI: E. George Simms
Student Affairs
AWARDING SPONSOR: Department of Education
TITLE: *Ronald E. McNair Post baccalaureate Achievement Program* **AWARD:** \$ 230,996

PI: David Cohen
School of Social Work
AWARDING SPONSOR: National Institute of Mental Health
TITLE: *Prescribing Psychotropic Drugs to Youth: Cultural Factors In Parental Attitudes* **AWARD:** \$ 223,650

PI: William Anderson
Southeast Environmental Research Center
AWARDING SPONSOR: St. John’s River Water Management District
TITLE: *Assessment of the Cycling and Compartmentalization of Nitrogen and Phosphorous in Saturated Soils, Sediments and the Water Column in Lake Jesup, Florida* **AWARD:** \$ 195,000

PI: Kathleen S. Rein
Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Services
TITLE: *Advance Research Cooperation in Environmental Health (ARCH)* **AWARD:** \$ 190,441

PI: Cristina Eguizabal
Latin American and Caribbean Center
AWARDING SPONSOR: University of Florida
TITLE: *Subproject: Training: National Resource Centers & Foreign Language and Area Studies Fellowships (FLAS Component)* **AWARD:** \$ 188,000

PI: Jeffrey Groom
School of Nursing
AWARDING SPONSOR: Miami Beach Anesthesiology Associates, Inc
TITLE: *Miami Beach Anesthesiology Associates Faculty Support Agreement* **AWARD:** \$ 177,237

PI: Kathleen S. Rein
 Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) - Research* **AWARD:** \$ 172,707

PI: Niki Pissinou
 Telecommunications & Information Technology Institute
AWARDING SPONSOR: National Science Foundation
TITLE: *A Drive-Through Management Service for Internet Enabled Ad-Hoc Networks* **AWARD:** \$ 150,001

PI: Gail Gregg
 Department of Curriculum and Instruction
AWARDING SPONSOR: Administration on Children, Youth, and Families
TITLE: *HEAT, Headstart Educators Advanced Training* **AWARD:** \$ 149,997

PI: Keqi Zhang
 International Hurricane Research Center
AWARDING SPONSOR: National Oceanic & Atmospheric Administration
TITLE: *Subproject: The Florida Hurricane Alliance Research Program Round 5* **AWARD:** \$ 143,998

PI: Elisabeth Prugl
 Center for Transnational & Comparative Studies
AWARDING SPONSOR: European Commission
TITLE: *Miami-Florida European Union Center of Excellence* **AWARD:** \$ 141,371

PI: Eduardo Gamarra
 Latin American and Caribbean Center
AWARDING SPONSOR: Department of Education
TITLE: *Digital Library of the Caribbean* **AWARD:** \$ 115,000

PI: Michael McClain
 Environmental Studies
AWARDING SPONSOR: Inter-American Institute for Global Change Research
TITLE: *Caribbean Coastal Scenarios* **AWARD:** \$ 110,613

PI: Xudong He
 School of Computing and Information Sciences
AWARDING SPONSOR: SC Solutions, Inc
TITLE: *An Integrated Software Tool for Modeling and Model-Based Control Semiconductor Manufacturing Equipment* **AWARD:** \$ 105,000

PI: Xiang Xing Kong
Mechanical and Materials Engineering
AWARDING SPONSOR: New Span Opto-Technology Incorporated
TITLE: *SBIR Phase IIA: Novel Coded High Density Optical Disk Data Storage* **AWARD:** \$ 104,999

PI: Margaret Maisel
Clinical Programs
AWARDING SPONSOR: Florida Immigrant Advocacy Center, Inc
TITLE: *Children's Legal Project Partnership* **AWARD:** \$ 102,268

PI: Kia Makki
Telecommunications & Information Technology Institute
AWARDING SPONSOR: National Science Foundation
TITLE: *SGER: Node Compromise Models and Defending Considerations in Mobile Ad-hoc Networks* **AWARD:** \$ 100,000

PI: Surendra Saxena
Mechanical and Materials Engineering
AWARDING SPONSOR: Latitude 18, Inc
TITLE: *LAT Mods* **AWARD:** \$ 92,914

PI: Jose Almirall
Chemistry
AWARDING SPONSOR: National Institute of Justice
TITLE: *Forensic Significance of Elemental Analysis of Glass by SEM/EDS, XRF, EPMA, LIBS and LA-ICPMS* **AWARD:** \$ 88,530

PI: Kenneth Furton
Chemistry
AWARDING SPONSOR: National Institute of Justice
TITLE: *The Scientific Working Group on Dog and Orthogonal Detector Guidelines (SWFDOG)* **AWARD:** \$ 82,359

PI: Kathleen S. Rein
Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Toxic Algae Facility Core* **AWARD:** \$ 70,000

PI: Yong Cai
Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Pilot III* **AWARD:** \$ 69,325

PI: Yong Cai
 Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Trace Metal Facility Core* **AWARD:** \$ 63,000

PI: Evelyn Gaiser
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 56,000

PI: Rudolf Jaffe
 Southeast Environmental Research Center
AWARDING SPONSOR: National Park Service
TITLE: *Subproject: Renewal: Provide Office Services and Operational Technical Support to the South Florida Ecosystem Restoration Task Force, Office of the Executive Director* **AWARD:** \$ 55,228

PI: Richard C. Palmer
 Health Promotion and Disease Prevention
AWARDING SPONSOR: Health Foundation of South Florida
TITLE: *Healthy Aging Regional Collaborative* **AWARD:** \$ 54,462

PI: Daniel Gann
 University Libraries
AWARDING SPONSOR: National Park Service
TITLE: *Subproject: Monitoring, Modeling and Assessment of the Everglades Ecosystem: R-EMAP Phase III Planning-In Supplement of the Comprehensive Everglades Restoration Program* **AWARD:** \$ 53,585

PI: Joanne Youngblut
 School of Nursing
AWARDING SPONSOR: National Institute of Nursing Research
TITLE: *Death in the NICU/PICU: Parent and Family Functioning Diversity Supplement* **AWARD:** \$ 50,552

PI: Albert Gan
 Civil and Environmental Engineering
AWARDING SPONSOR: Florida Department of Transportation/District Six
TITLE: *LOA #26: ITS Technical and Research Support #8* **AWARD:** \$ 50,000

PI: Tao Li
 School of Computing and Information Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *Collaborative Research: Matrix Model for Machine Learning* **AWARD:** \$ 50,000

PI: Jose Almirall
International Forensic Research Institute
AWARDING SPONSOR: Army Research Office
TITLE: *Wavelength Dependence on the Forensic Analysis of Materials Using LIBS at 1064 nm and 266 nm Irradiance* **AWARD:** \$ 49,014

PI: Kathleen S. Rein
Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Pilot V* **AWARD:** \$ 45,254

PI: Tao Li
School of Computing and Information Sciences
AWARDING SPONSOR: National Science Foundation
TITLE: *SGER: Collaborative Research: Nonnegative Matrix Factorization for Data Mining* **AWARD:** \$ 44,000

PI: Chunlei Wang
Mechanical and Materials Engineering
AWARDING SPONSOR: University of California, Irvine
TITLE: *NIRT: C-MEMS/C-NEMS for Miniature Biofuel Cells* **AWARD:** \$ 42,858

PI: Laura Ogden
Sociology and Anthropology
AWARDING SPONSOR: National Park Service
TITLE: *Ethnographic Overview and Assessment Research for Everglades National Park* **AWARD:** \$ 40,000

PI: Malek Adjouadi
Electrical and Computer Engineering
AWARDING SPONSOR: FIU Foundation
TITLE: *The Ware Foundation Research Endowment* **AWARD:** \$ 40,000

PI: Krish Jayachandran
Environmental Studies
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Pilot II* **AWARD:** \$ 39,680

PI: James Fourqurean
Southeast Environmental Research Center
AWARDING SPONSOR: Environmental Protection Agency
TITLE: *Seagrass Monitoring in the Florida Keys National Marine Sanctuary – FY 2003* **AWARD:** \$ 36,137

PI: Surendra Saxena
 Mechanical and Materials Engineering
AWARDING SPONSOR: FIU Foundation
TITLE: *Latitude Cement* **AWARD:** \$ 36,000

PI: James Fourqurean
 Biological Sciences
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Pilot I* **AWARD:** \$ 35,675

PI: Kevin O’Shea
 Chemistry
AWARDING SPONSOR: National Institute of Environmental Health Sciences
TITLE: *Subproject: Advance Research Cooperation in Environmental Health (ARCH) – Pilot IV* **AWARD:** \$ 33,460

PI: Robert M. Malow
 Public Health
AWARDING SPONSOR: National Institute on Drug Abuse
TITLE: *HIV Prevention Groups for AOD using SMI Women-Minority Supplement* **AWARD:** \$ 32,596

PI: Evelyn Gaiser
 Southeast Environmental Research Center
AWARDING SPONSOR: National Science Foundation
TITLE: *REU Supplement: FCE LTER II: Coastal Oligotrophic Ecosystems Research* **AWARD:** \$ 32,000

PI: David Bergwall
 Architecture
AWARDING SPONSOR: Miami-Dade County School Board
TITLE: *DASH Dual Enrollment* **AWARD:** \$ 31,003

PI: Timothy Collins
 Biological Sciences
AWARDING SPONSOR: Agricultural Research Service
TITLE: *Determining the Native Region of the Lobate Lac Scale: A Cooperative Agreement* **AWARD:** \$ 26,000

PI: Ellen Brown
 School of Nursing
AWARDING SPONSOR: Cornell University
TITLE: *Effectiveness of a Depression Care Management Initiative in Home Healthcare* **AWARD:** \$ 23,485

PI: Laura Ogden

Sociology and Anthropology

AWARDING SPONSOR: National Science Foundation

TITLE: *Subproject to Subproject: FCE LTERII: Coastal Oligotrophic
Ecosystems Research*

AWARD: \$ 20,000