

University of San Diego Academic Grant Awards –Fall 2012

Scott Anders, Director, the Energy Policy Initiatives Center (EPIC), School of Law, has once again received a contract from SDG&E to complete a technical study to determine the cost and benefits of net energy metering in the SDG&E service territory to support the work already underway by the San Diego Solar Stakeholder Collaboration Group. This is a one year, \$300,000 Service Agreement.

Michel Boudrias, PhD, Marine and Environmental Studies and Director of Sustainability at USD; **Jeanne (Nilmini) Silva-Send**, Senior Policy Analyst, USD's Energy Policy Initiatives Center (EPIC); and **Scott Anders**, Director of EPIC, are Co-Principal Investigators on the largest federal award in USD's history. National Science Foundation has bestowed upon USD a five-year, \$4,928,001 Cooperative Agreement from the NSF Climate Change Education Partnership Program (CCEP). The success of Dr. Boudrias' previous NSF award team served as the precursor for this Phase II award.

With this current cooperative agreement, USD's grant team, in collaboration with other team members of the Climate Education Partners will be working together with community leaders to implement in Phase II the strategic communications plan created in Phase I. Scientist Co-PIs from USD, California State University, San Marcos, and Scripps Institution of Oceanography, in partnership with The San Diego Foundation, The Steve Alexander Group, and other consultants, will spend the next five years fulfilling the proposed goals of the project.

The major goals of this Phase II, \$4.9 million endeavor are to 1) raise the public's understanding of the causes and consequences of climate change with *education*; 2) through *evaluation*, identify the most effective methods to educate non-traditional audiences about the causes and consequences of climate change; and 3) by developing and implementing a national model for regional climate change education and communication, confirm *replication* of the methods.

Scott Anders, Director, Energy Policy Initiatives Center (EPIC), has received a second contract from SDG&E. Previously he was contracted to lead a project providing technical and policy advice to SDG&E in the areas of energy policy, regulatory provisions and rate incentives that might support DER-based micro-grids. This current contract with SDG&E for \$60,000 extends Anders' involvement in the City of San Diego's Climate Mitigation and Adaptation Plan (CMAP) as lead technical support providing analysis and preparation of the San Diego Regional Greenhouse Gas (GHG) Emissions Inventory.

Scott Anders and Rick Olson, PhD, Engineering, have received a \$45,000 grant from The San Diego Foundation's Board of Governors, the Environment Working Group for the Spring 2012 Blasker Grants Program for their proposal "Greenhouse Gas Mitigation and Cost Effectiveness Tool: A Standardized Approach to Help Cities Develop Climate Action Plans." This award is Anders' fourth grant from TSDf since 2007 having received a total of \$196,840 for his continuing work on greenhouse gas mitigation and the long-term effort to reduce greenhouse gas emissions in the San Diego Region.

EPIC and **Scott Anders** have subcontracted for \$42,517 with the California Center for Sustainable Energy (CCSE) and will be the lead organization for a Southern California response to the Department of Energy's SunShot Initiative: Rooftop Solar Challenge, and specifically to the Streamlining Solar Standards & Processes: Southern California Rooftop Solar Challenge Project.

LCDR Eric Bopp, NC, USN, principal investigator and PhD student, Nursing, along with his mentor **Joseph Burkard**, DNSc, have received a TriService Nursing Research Program award of \$14,004 for his project, "Is Combat Exposure Predictive of Higher Preoperative Stress in Military Members?"

Ami Carpenter, PhD, Joan B. Kroc School of Peace Studies, along with co-investigators from Point Loma Nazarene University and San Diego State University, has received a U.S. Department of Justice, National Institute of Justice award to research the connections between gang activity and sex trafficking in the region.

This two-year project “Sex Trafficking and Gangs in the San Diego/Tijuana Border Region” has been funded for \$398,824 and will begin January 2013.

Cynthia Connelly, PhD, Nursing, along with Rachel Manber, co-principal investigator from Stanford University, and USD School of Nursing’s co-investigators Drs. Lois Howland and Karen Macauley have received \$2,704,698 for a five-year grant from the National Institute of Mental Health for their research on, “The Effectiveness of Non-Pharmacological Treatment for Perinatal Insomnia.”

Laura Deitrick, PhD, Director of the Caster Family Center for Non-Profit and Philanthropic Research, School of Leadership and Educational Science, has a one-year, \$12,500 sub-contract agreement with Nash & Associates. Laura will be providing Nash with technical assistance and support in their delivery of evaluation services for the Transition Age Youth (TAY) Academy, a program of the County of San Diego. Each year, at five different locations, TAY offers skill-development workshops, classes and support groups, leadership and youth development activities, psycho-educational groups, and coaching to at least 200 participants, ages 14-25.

John H. Glick, PhD, Math and Computer Science, has been awarded \$21,129 from the National Science Foundation in response to his proposal, “Collaborative Research: Peer Instruction in Computer Science.”

Sarah Gray, PhD, Marine Science and Environmental Studies, has once again been awarded funding from the National Oceanic and Atmospheric Administration (NOAA): General Coral Reef Conservation Program (GCRCP). GCRCP which has supported Dr. Gray’s ongoing studies since 2008 in St. John, US Virgin Islands, Coral and Lameshur Bays. This 18-month study, “Post-mitigation monitoring to determine the impact of watershed erosion control on land based sources of pollution to coral reefs, USVI,” is being funded for \$75,000.

Sally Brosz Hardin, PhD, Dean, School of Nursing, has received an award of \$1,000,000 from the Health Resources and Services Administration (HRSA) Nurse Faculty Loan Program for the 2012-2013 academic year. Doctoral students that complete the education component necessary to prepare them as nurse faculty are qualified to apply.

Dean Sally Brosz Hardin, and the Hahn School of Nursing and Health Science have once again received funding for 2012-2013 from the County of San Diego, Neighborhood Reinvestment Program, in the amount of \$25,000. Since 2003, the County has granted a total of \$260,000 specifically to the School. This year’s funds will be used to update and equip the School’s Simulation and Standardized Patient Nursing Laboratory with beds, a crib, examination table and medical dosing system.

CDR Heather King, NC, USN, Principal Investigator and PhD student, Nursing, along with **Cynthia Connelly**, PhD, Senior Research Mentor to CDR King has received a TriService Nursing Research Program award of \$24,644 for her project, “Acupuncture for Disturbed Sleep in Veterans with Post Traumatic Stress Disorder.”

Peter Iovine, PhD, Chemistry and Biochemistry, has been awarded funding from The Camille and Henry Dreyfus Foundation, Inc. This 5-year, 2012 Henry Dreyfus Teacher-Scholar Awards Program grant for \$60,000 supports Dr. Iovine’s current project “Undergraduate Research and Mentoring in Polymeric Materials: Hybrid Polymers and Self-Assembled Structures from Plant Derived Biopolymers.”

Juliana Maxim, PhD, Art, Architecture, Art History, is the recipient of a \$25,000 Postdoctoral Fellowship in East European Studies from the American Council of Learned Societies (ACLS). This Fellowship will assist Dr. Maxim with writing her book, *The Socialist Life of Modern Architecture: Bucharest, 1947-1965*.

Perla Myers, PhD, Mathematics, was recognized by the Mathematical Association of America’s Dolciani Mathematics Enrichment Grant Program with an award of \$2,912. The sponsor’s proposal reviewers commented that “[the] project showed great promise to excite mathematically talented students and to engage them in the further study of mathematics.”

Marjorie Patrick, PhD, Biology; **Rae Anderson**, PhD, Physics; **Lisa Baird**, PhD, Biology; **Richard Gonzalez**, PhD, Biology; and **Curtis Loer**, PhD, Biology; have successfully procured \$414,686 funding from the National Science Foundation for the “MRI: Acquisition of a Laser Scanning Confocal Microscope [LSCM] to Advance Research and Education in Biology and Physics at USD.” This equipment will add confocal capability to the imaging facility.

Greg Severn, PhD, Physics, has once again been awarded a 3-year, \$165,000 grant from the National Science Foundation (NSF) for his current project, “Collaborative Research: Understanding of Presheaths and Sheaths in Plasmas.” Understanding sheaths is fundamental to the understanding of all bounded plasmas. Proposed experiments are aimed at establishing the basic properties of sheaths and associated presheaths for a variety of situations for which theoretical predictions and assumptions have not yet been verified. Many important questions associated with sheaths will be addressed for the first time.

David A. Shirk, PhD, Director, TBI, has been notified that he and the Justice in Mexico Project have received a \$250,000 grant from the John D. and Catherine T. MacArthur Foundation. This grant will provide urgently needed monitoring and analysis of Mexico’s public security, judicial reform, and human rights efforts over the next three years.

Linda Urden, DNSc, Nursing, has received notice of a two-year (2012-2014), \$36,000 grant from the Song-Brown Registered Nursing Education Program Capitation fund, State of California, Office of Statewide Health Planning and Development (OSHPD). The funds can be used for a variety of expenses to advance the education of nursing students; this capitation grant, along with previous OSHPD grants to Nursing awarded since 2005, will have provided a total of \$833,000 to support nursing education.

Cynthia Willis, PhD, Director, Institute of College Initiatives, and The Rock, The River, The Tree: USD TRiO Programs has received notice that two of the three of the TRiO Upward Bound Program (UB) and the TRiO McNair Scholars Program have been funded for another 5-year \$1,250,000 award by the U. S. Department of Education. The third Trio Program, Student Support Services, is entering the third year of a five-year award.

Matt Zwolinski, PhD, Philosophy, has been funded \$11,000 to continue his research project “Philosophical and Economic Foundations of Political Liberty” during the 2012-2013 academic year by the Charles Kock Foundation.