

PROPOSALS SUBMITTED IN SEPTEMBER, 2007

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
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Agriculture, Food & Env Sciences

Agribusiness

RICKARD, BRADLEY J.	Export markets and California agriculture: Understanding the implications of trade barriers applied to citrus products CSU - AGRICULTURAL RESEARCH INITIATIVE 08-003	\$40,000	7/1/07 - 6/30/09
RICKARD, BRADLEY J.	An examination of trade barriers facing U.S. exporters of citrus products U.S. DEPT OF AGRICULTURE (FAS) 08-074	\$5,954	6/1/08 - 9/30/09

Animal Science

HUMPHREY, BROOKE	Optimal Nutrition for Immunocompetence in Chickens CSU - AGRICULTURAL RESEARCH INITIATIVE 08-075	\$164,697	7/1/07 - 6/30/10
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Horticulture & Crop Science

HEADRICK, DAVID	Citrus Leafminer Management Program for Nursery Citrus CA CITRUS NURSERY BOARD VIA UC, RIVERSIDE 08-062	\$5,000	1/1/08 - 12/31/08
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Natural Resource Management

DICUS, CHRISTOPHER A. THOMPSON, RICHARD	Tradeoffs in Community Benefits Versus Fire Risk in Wildland/Urban Interface Forests CSU - AGRICULTURAL RESEARCH INITIATIVE 08-020	\$120,764	7/1/07 - 6/30/10
HENDRICKS, WILLIAM GREENWOOD, JERUSHA	California Opinions and Attitudes Survey on Outdoor Recreation CSU - AGRICULTURAL RESEARCH INITIATIVE 08-060	\$96,280	7/1/07 - 6/30/09

Education

Education

CHIN, ELAINE	Excellence in Teacher Preparation Project - Teachers for a New Era (TNE) CARNEGIE CORPORATION OF NEW YORK VIA CSU NORTHRIDGE 08-061	\$12,912	9/1/06 - 8/31/07
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Engineering

Aerospace Engineering

BIEZAD, DANIEL	Development of Multidisciplinary Flight Control Techniques for the Simulation of Intelligent Unmanned Autonomous Vehicles NASA - AMES RESEARCH CENTER 08-010	\$120,842	3/1/08 - 9/14/10
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<u>Biomedical and General Engineering</u>			
CARDINAL, TREVOR	Functional Genomics of Ischemic Angiogenesis CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 08-081	\$15,000	6/1/08 - 5/30/09
LAIHO, LILY	Raman spectroscopy and confocal microscopy imaging system for histological analysis of skin CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 08-110	\$15,000	2/1/08 - 5/31/09
O'HALLORAN-CARDINAL, KRISTEN	Large-Vessel Cell Sources for the Creation of Blood Vessel Mimics CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 08-083	\$15,000	4/1/08 - 12/31/08
SZLAVIK, ROBERT	Group Delay Characterization of Peripheral Nerve Fiber Size Distributions through Decomposition of the Compound Evoked Potential NATIONAL SCIENCE FOUNDATION 08-082	\$450,000	3/1/08 - 2/28/11
CARDINAL, TREVOR			
<u>Civil & Environmental Engineering</u>			
LUNDQUIST, TRYGVE	Biogas Generation from Algae Biomass Harvested at Wastewater Treatment Facilities CALIFORNIA ENERGY COMMISSION ENERGY INNOVATIONS SMALL GRANT PROGRAM 08-094	\$86,000	4/1/08 - 3/31/09
MITRA, SUDESHNA MACCARLEY, C. ARTHUR	Development and Validation of Surrogate Metrics of Safety based upon Microscopic Traffic Data UNIVERSITY OF CALIFORNIA, BERKELEY, PATH 08-044	\$24,464	12/1/07 - 11/30/09
MITRA, SUDESHNA SULLIVAN, EDWARD	Methods for Identifying High Collision Concentration Locations (HCCL) for Potential Safety Improvements - Phase II UNIVERSITY OF CALIFORNIA, BERKELEY, PATH 08-065	\$211,029	12/1/07 - 6/30/09
MITRA, NILANJAN	Influence of skew angle on shear load distribution in multi-cell box-girder bridges CA DEPT OF TRANSPORTATION (CALTRANS) DIVISION OF RESEARCH AND INNOVATION 08-078	\$200,000	12/1/07 - 5/31/09
MOSS, ROBB	RUI: Influence of Geologic Aging on Liquefaction Potential NATIONAL SCIENCE FOUNDATION 08-046	\$179,793	1/1/08 - 12/31/10
MOSS, ROBB	International: U.S.-China Collaborative Laboratory Testing Program for Earthquake Engineering and Liquefaction Testing NATIONAL SCIENCE FOUNDATION 08-069	\$139,048	1/1/08 - 9/1/10
<u>College of Engineering</u>			
NOORI, MOHAMMAD BEKEY, GEORGE	REU SITE-SUMMER INTERNSHIPS IN ROBOTICS AND AUTONOMOUS SYSTEMS NATIONAL SCIENCE FOUNDATION 08-077	\$297,081	1/1/08 - 12/31/10
NOORI, MOHAMMAD	Novel Bracing System for Retrofitting and Seismic Protection of Existing Structures NATIONAL SCIENCE FOUNDATION VIA NORTH CAROLINA STATE UNIVERSITY 08-097	\$59,774	5/15/08 - 5/14/11

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<u>Computer Science</u>			
CLARK, CHRISTOPHER FIDOPIASTIS, PAT	IDBR: Development of an Autonomous Hybrid ROV for Biological Sampling NATIONAL SCIENCE FOUNDATION 08-079	\$306,867	6/1/08 - 5/31/11
CLEMENTS, JOHN	Redisigning Introductory Computing: The Design discipline (Participants) NATIONAL SCIENCE FOUNDATION VIA ADELPHIA UNIVERSITY 08-071	\$19,550	9/1/06 - 8/31/10
<u>Electrical Engineering</u>			
JIN, XIAOMIN	Modeling and Studying of Long Wavelength Photodiodes for Interferometer Measurement System Applications AGILENT TECHNOLOGIES, INC 08-095	\$30,474	10/1/07 - 9/30/08
SAGHRI, JOHN A. ZHANG, XIAOZHENG (JANE)	REU Site: Advances of Remote Sensing in Theory and Applications (ARSTA) NATIONAL SCIENCE FOUNDATION 08-076	\$462,403	1/1/08 - 9/1/10
<u>Mechanical Engineering</u>			
MURRAY, WILLIAM R	A Reusable, Oxidizer-Cooled, Hybrid Aerospike Rocket Motor for Flight Test NASA STTR VIA ROLLING HILLS RESEARCH CORP. 08-067	\$57,500	1/16/08 - 1/15/09
SELF, BRIAN WIDMANN, JAMES	Access by Design: Capstone Projects to Promote Adapted Physical Activity NATIONAL SCIENCE FOUNDATION 08-068	\$125,000	1/1/08 - 12/31/12
<u>Science & Mathematics</u>			
<u>Chemistry and BioChemistry</u>			
CARROLL, JENNIFER	Isolation and Characterization of Biologically Active Compounds from Marine Invertebrates CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 08-090	\$15,000	6/1/08 - 5/31/09
FOGLE, EMILY	Characterization of human serine hydroxymethyltransferase, an anticancer target CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 08-089	\$15,000	6/1/08 - 5/31/09
<u>Mathematics</u>			
BORZELLINO, JOSEPH KAUL, ANTON	REU: Summer Research Program in Algebra and Topology NATIONAL SCIENCE FOUNDATION 08-030	\$338,198	3/1/08 - 2/28/11
<u>Physics</u>			
CHRISTIANSEN, JODI	RUI: Analysis of TeV Gamma-rays and Pulsars Observed by VERITAS NATIONAL SCIENCE FOUNDATION 08-088	\$223,483	9/1/08 - 8/31/11
SCHWARTZ, PETER	Solar Concentration from Stationary Structures CALIFORNIA ENERGY COMMISSION ENERGY INNOVATIONS SMALL GRANT PROGRAM 08-058		-

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Physics			
SHARPE, JOHN P	RUI: A novel method for flow direction determination in laser Doppler velocimeters NATIONAL SCIENCE FOUNDATION 08-064	\$63,974	4/1/08 - 3/31/09
Student Affairs			
Student Life & Leadership			
LAMB, STEPHAN	Community Project: Night Out with Your Neighbors SAN LUIS OBISPO COUNTY 08-059	\$2,000	9/26/07 - 6/30/08
GRAND TOTALS:		33 Proposals	\$3,918,087