

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Agriculture, Food &amp; Env Sciences</u></b>			
<b><u>Agribusiness</u></b>			
CAI, XIAOWEI	<b>Trans-Pacific Demands for California Organic Food</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-006	\$5,000	7/1/09 - 6/30/10
CAI, XIAOWEI	<b>Market Analysis of Ethanol Capacity</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-016	\$40,000	7/1/09 - 6/30/11
CAI, XIAOWEI SHELTON, MARK	<b>Collaborative Research: Exploring the Chinese Organic Food Market</b> U.S. DEPT OF AGRICULTURE (NIFA) - ISE 10-134	\$149,997	8/1/10 - 7/31/14
CAI, XIAOWEI	<b>The Organization, Regulation and Performance of the US Food System: Market Analysis of Ethanol Capacity</b> U.S. DEPT OF AGRICULTURE (NIFA) VIA UNIVERSITY OF WISCONSIN - MADISON 10-183	\$6,000	1/1/10 - 12/31/10
HURLEY, SEAN	<b>Energy, Economic, and Environmental Performance of Dairy Bio-power and Bio-methane Systems</b> CA ENERGY COMMISSION PIER PROGRAM VIA SUMMERS CONSULTING, LLC 10-089	\$80,000	8/17/09 - 7/31/11
JAMES, JENNI	<b>Agricultural Production Systems in Sub-Saharan Africa: An Analysis of Household-Level, Spatially Referenced Data</b> INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE 10-060	\$22,000	9/1/09 - 12/31/09
MCCORKLE, ROBERT	<b>U.S. Peace Corps On-campus Recruiter 2010-11</b> U.S. PEACE CORPS 10-315	\$15,855	10/1/10 - 9/30/11
NICHOLSON, CHARLES	<b>Analysis of Program Options to Reduce Dairy Price Volatility</b> MILK PRODUCERS COUNCIL 10-292	\$18,839	5/1/10 - 10/31/10
SCHROETER, CHRISTIANE	<b>Developing a Business Model for a Campus Farmers Market: A Pioneer Study at Cal Poly</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-017	\$40,000	7/1/09 - 6/30/11
SCHROETER, CHRISTIANE	<b>Examining the Competitiveness of Key Fruit and Vegetable Sectors in New York</b> U.S. DEPT OF AGRICULTURE (NIFA) VIA CORNELL UNIVERSITY 10-054	\$9,950	10/1/09 - 12/31/11
SCHROETER, CHRISTIANE	<b>Developing Marketing Plans for Campus Farmers' Markets: A Pioneer Study in California, Virginia, and Florida</b> U.S. DEPT OF AGRICULTURE (AMS) 10-170	\$77,363	9/1/10 - 8/31/12
SCHROETER, CHRISTIANE	<b>Developing a Marketing Plan for a Campus Farmers Market: A Pioneer Study in California, Virginia, and Florida</b> U.S. DEPT OF AGRICULTURE (AMS) 10-207	\$98,725	10/1/10 - 9/30/11
<b><u>Agricultural Education</u></b>			
KELLOGG, BILL	<b>San Luis Obispo Office Space and Services for CDE Agricultural Education Consultant (2010-12)</b> U.S. DEPT OF EDUCATION VIA CA DEPT OF EDUCATION 10-178	\$26,798	1/12/10 - 1/11/12

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<b><u>Animal Science</u></b>			
BURD, MATTHEW	<b>Dining at the Polar Smorgasbord: Understanding Leopard Seal Foraging Physiology</b> NATIONAL SCIENCE FOUNDATION VIA BAYLOR UNIVERSITY 10-263	\$80,520	8/1/11 - 7/31/13
EDWARDS, MARK S	<b>Evaluation of two extruded feeds fed in conjunction with grass forage on variable response criteria in gelding American quarter horses (Equus caballus)</b> CANIDAE CORPORATION 10-182	\$24,120	11/1/09 - 4/30/10
HORNEY, MARC	<b>Characteristics of nesting sites selected by sage-grouse at Clear Lake NWR, Modoc County CA</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-137	\$4,600	11/1/09 - 10/31/10
HUMPHREY, BROOKE	<b>Acquisition of a Microcapillary Flow Cytometer for Animal Health Monitoring</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-073	\$19,380	7/1/09 - 6/30/11
HUMPHREY, BROOKE	<b>Nutritional approaches to mitigate the catabolic response to infection</b> U.S. DEPT OF AGRICULTURE (NIFA) VIA CSU AGRICULTURAL RESEARCH INSTITUTE 10-193	\$84,431	9/1/10 - 8/31/11
HUMPHREY, BROOKE	<b>Early-life thermal and low oxygen conditioning and its long-term physiological impact on the chicken's ability to thrive in hot environments</b> U.S. DEPT OF AGRICULTURE (NIFA) - AFRI VIA NORTH CAROLINA STATE UNIVERSITY 10-266	\$202,046	1/1/13 - 12/31/15
HUMPHREY, BROOKE	<b>Defining the effects of climate-associated thermal stress on genes controlling feed intake and metabolism in broiler chickens</b> U.S. DEPT OF AGRICULTURE (NIFA) - AFRI VIA UNIVERSITY OF MARYLAND 10-328	\$201,346	1/1/11 - 12/31/15
PETERSON, DANIEL BURD, MATTHEW	<b>Investigating cryptorchidism: understanding the regulation of the insI3 gene</b> GRAYSON-JOCKEY CLUB RESEARCH FOUNDATION INC. 10-081	\$94,318	4/1/10 - 3/31/12
PETERSON, DANIEL	<b>Collaborative study of nutritional endocrine interactions that regulate bovine mammary epithelial cell function</b> UNIVERSITY OF CALIFORNIA/CALIFORNIA STATE UNIVERSITY/COMMUNITY COLLEGE COLLABORATIONS 10-119	\$9,000	1/1/10 - 12/31/10
PETERSON, DANIEL BURD, MATTHEW	<b>Investigating Cryptorchidism: Understanding the regulation of the insI3 gene</b> AMERICAN QUARTER HORSE ASSOCIATION 10-151	\$56,598	10/1/10 - 9/30/11
PETERSON, DANIEL	<b>The differentiating mammary epithelial cell as a model for developmental biology—a proteomic and bioinformatic approach from laboratory to classroom</b> NATIONAL INSTITUTES OF HEALTH - AREA 10-168	\$408,044	6/1/11 - 5/31/14
PETERSON, DANIEL	<b>Fee-For-Service</b> VARIOUS SPONSORS 10-201	\$0	2/1/10 - 12/31/10
<b><u>BioResource and Agricultural Engineering</u></b>			
BURT, CHARLES STYLES, STUART	<b>Technical assistance for CRIT automation and SCADA (phase 2)</b> COLORADO RIVER INDIAN TRIBES 10-153	\$60,725	1/1/10 - 12/31/10

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<b><u>BioResource and Agricultural Engineering</u></b>			
<b>HOLTZ, ANDREW</b>	<b>Engineering Interventions to Promote Sustainability in Pre &amp; Post Harvest Processing in the California Specialty Crop Sector</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-007	\$5,000	7/1/09 - 6/30/10
<b>STYLES, STUART</b> BURT, CHARLES	<b>Water quality and efficiency improvements on strawberries: incorporating salinity evaluation into grower decision support</b> U.S. DEPT OF AGRICULTURE (CSREES) 10-003	\$485,703	10/1/09 - 9/30/12
<b>STYLES, STUART</b>	<b>Evaluation of Modified Drip Irrigation Strategies on Strawberries: Maintenance of Yields While Reducing Irrigation Runoff to Coastal Streams from Sprinklers</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-023	\$83,621	7/1/09 - 6/30/11
<b>STYLES, STUART</b> ABERCROMBY, KIRA	<b>Technical assistance program to water districts</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION, MID PACIFIC REGION 10-084	\$1,500,000	5/1/10 - 4/30/15
<b>STYLES, STUART</b> BURT, CHARLES	<b>Strawberry irrigation methods effects on salinity in the Salinas/Watsonville/Hollister area</b> U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE 10-281	\$150,000	10/1/10 - 6/30/13
<b>STYLES, STUART</b>	<b>Water resource modernization training in the Philippines</b> WORLD BANK GROUP 10-295	\$34,700	4/20/10 - 5/20/10
<b><u>College of Agriculture</u></b>			
<b>PEDERSEN, MARY</b>	<b>"Learn by Doing" in the Multicultural Scholars Program (MSP) at Cal Poly: From Bioenergy to Human Nutrition and Obesity</b> U.S. DEPT OF AGRICULTURE (CSREES) 10-010	\$170,000	10/1/09 - 9/30/14
<b>PEDERSEN, MARY</b>	<b>FEED (Food security, Education, the Environment, and sustainable Development) Zambia</b> U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT 10-045	\$3,639,201	7/1/10 - 6/30/13
<b><u>Dairy Science</u></b>			
<b>FARKYE, NANA</b>	<b>Improving lowfat Cheddar cheese texture with different amphiphiles and filler particles</b> DAIRY MANAGEMENT, INC. 10-103	\$99,853	1/1/10 - 6/30/11
<b>FARKYE, NANA</b>	<b>Increasing proteolysis in lowfat Cheddar cheese to enhance texture</b> DAIRY MANAGEMENT, INC. 10-117	\$66,000	1/1/10 - 1/31/11
<b>GOLDEN, BRUCE</b> LUNDQUIST, TRYGVE	<b>Best Practices for Agriculture Waste Management</b> U.S. DEPT OF AGRICULTURE (NIFA) 10-169	\$280,800	6/1/10 - 5/31/11
<b>JIMENEZ-FLORES, RAFAEL</b> LAMMERT, AMY	<b>The Impact of Dairy Foods on Gastric Digestion and Delivery of Nutritional and Functional Benefits</b> CSU - AGRICULTURAL RESEARCH INITIATIVE (SYSTEMWIDE) 10-164	\$389,915	7/1/10 - 6/30/13
<b>JIMENEZ-FLORES, RAFAEL</b>	<b>Determination of Ultra Violet Light Resistance of Bacterial Spores in Milk to Enhance Milk Powder Quality and Shelf-life</b> CA DAIRY RESEARCH FOUNDATION VIA UNIVERSITY OF CALIFORNIA, DAVIS 10-217	\$90,000	1/1/10 - 12/31/10

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<b><u>Dairy Science</u></b>			
LAMMERT, AMY	<b>Developing Expertise in Sensory Evaluation</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-136	\$4,650	11/1/09 - 10/31/10
LAMMERT, AMY	<b>Developing a sensory evaluation research program</b> SOUTHERN CALIFORNIA INSTITUTE OF FOOD TECHNOLOGISTS SECTION (SCIFTS) 10-239	\$7,755	5/19/10 - 5/18/11
LAMMERT, AMY	<b>The impact of food form on gastric breakdown and probiotic binding</b> GLOBAL PROBIOTICS COUNCIL 10-240	\$50,000	7/1/10 - 6/30/11
TONG, PHILLIP	<b>Improving Dairy Ingredients Functionality Through Research &amp; Training Collaboration</b> CA DAIRY RESEARCH FOUNDATION 10-071	\$10,000	1/1/10 - 6/30/10
TONG, PHILLIP	<b>Cal Poly Dairy Ingredients Applications Program 2010</b> DAIRY MANAGEMENT, INC. 10-150	\$376,200	1/1/10 - 12/31/10
TONG, PHILLIP	<b>Master Agreement: Calendar Year 2010</b> CA DAIRY RESEARCH FOUNDATION 10-159	\$0	1/1/10 - 12/31/10
TONG, PHILLIP	<b>DPTC Operations 2010 - Continuing the Growth and Maintenance of a Sustainable California Dairy Industry in Domestic and Global Markets</b> CA DAIRY RESEARCH FOUNDATION 10-211	\$226,800	1/1/10 - 12/31/10
<b><u>Food Science &amp; Nutrition</u></b>			
BOSE, TANUSHREE	<b>Regulation of NFκB dependent cytokine expression by Vitamin D in adipocytes</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-005	\$5,000	7/1/09 - 6/30/10
BOSE, TANUSHREE	<b>Effect of Vitamin D on inflammation-induced insulin resistance in adipocytes</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-189	\$6,000	1/1/10 - 12/31/10
HALL, LAURA REAVES, SCOTT	<b>Vitamin D Status and Effectiveness of Supplementation in Overweight and Obese Adults</b> UNIVERSITY OF CALIFORNIA/CALIFORNIA STATE UNIVERSITY/COMMUNITY COLLEGE COLLABORATIONS 10-107	\$10,000	1/1/10 - 12/31/10
HALL, LAURA	<b>FLASH College Study Vitamin D Subset Analysis</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-138	\$4,650	11/1/09 - 10/31/10
HAMPSON, BRIAN YILDIZ, ILHAMI	<b>Algal Biomass Production Using Closed-Loop Tubular Photobioreactors</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-022	\$186,025	7/1/09 - 6/30/12
HAMPSON, BRIAN	<b>New Technology for High-Density Algae Production Using Tubular Photo-Bioreactors - Phase I</b> U.S. DEPT OF AGRICULTURE (CSREES) - SBIR VIA PHYCOTECH INC. 10-036	\$24,363	5/1/10 - 12/31/10
LATHROP, AMANDA	<b>Food Safety Lab Set-Up and Preliminary Data Generation</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-133	\$4,650	11/1/09 - 10/31/10

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<b><u>Food Science &amp; Nutrition</u></b>			
LATHROP, AMANDA	<b>Survival and Thermal Resistance of Salmonella in Bakery Items Containing Peanut-Derived Product as an Ingredient</b> ILSI NORTH AMERICA 10-139	\$127,496	7/1/10 - 6/30/11
LATHROP, AMANDA	<b>Cal Poly food safety lab set-up</b> SOUTHERN CALIFORNIA INSTITUTE OF FOOD TECHNOLOGISTS SECTION (SCIFTS) 10-241	\$12,828	5/19/10 - 5/18/11
NAZMI, AYDIN MCDERMOTT, ANN	<b>Modifiable predictors of weight gain and biological risk markers for cardiovascular disease in a university setting: A longitudinal follow-up to the Cal Poly FLASH cohort</b> NATIONAL INSTITUTES OF HEALTH - AREA (ARRA) 10-030	\$413,770	8/1/10 - 7/31/12
NAZMI, AYDIN	<b>Long-term inflammatory consequences of maternal smoking; findings from young adults belonging to a Brazilian birth cohort</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-126	\$5,000	10/1/09 - 9/30/10
NEUHAUS, THOMAS ARENS, ROBERT	<b>Development of a Cocoa Study Center in Ebekawopa, Ghana</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 10-112	\$49,000	1/1/10 - 9/1/11
NICHOLSON, LISA	<b>Using Facilitated Group Discussion to Enhance Parent Nutrition Education</b> SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION 10-088	\$4,994	1/1/10 - 12/31/10
PAPATHAKIS, PEGGY NEUHAUS, THOMAS	<b>Sustainable West African Cocoa-Farming Villages: International Nutrition and Economic Perspectives</b> U.S. DEPT OF AGRICULTURE (NIFA) - ISE 10-181	\$149,970	9/1/10 - 8/31/12
RITCHIE, GERRY	<b>Wine Filtering &amp; Monoblock Bottling System</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-019	\$110,000	7/1/09 - 6/30/10
<b><u>Horticulture &amp; Crop Science</u></b>			
BROWN, J WYATT	<b>Refurbishing the ICP Spectrometer for Interdepartmental Use</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-179	\$2,410	1/1/10 - 12/31/10
BROWN, J WYATT	<b>PEAKfresh, Tectrol and Strawberries</b> PEAKFRESHUSA 10-277	\$20,000	4/1/10 - 4/1/11
BROWN, J WYATT	<b>Storability and Comparative Quality of Four Varieties of Tomato</b> SYNGENTA SEEDS, INC. 10-278	\$40,001	5/15/10 - 4/1/11
BROWN, J WYATT	<b>Development of Novel, Antimicrobial Plant Essential-oil Treatments to Reduce the Postharvest Incidence and Severity of Botrytis cinerea on Fresh Strawberries</b> U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE 10-296	\$104,851	10/1/10 - 9/30/12
COSTELLO, MICHAEL J WONG, JEFFREY C.	<b>Vine genetic response to environmental conditions can provide clues to managing spider mites</b> AMERICAN VINEYARD FOUNDATION 10-209	\$54,043	6/1/10 - 5/31/11
HEADRICK, DAVID	<b>Alternative Management Tactics for Citrus Leafminer in Citrus</b> U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE VIA UNIVERSITY OF CALIFORNIA, DAVIS 10-087	\$93,588	10/1/10 - 9/30/13

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<b><u>Horticulture &amp; Crop Science</u></b>			
HEADRICK, DAVID DOUGLAS, CYNTHIA	<b>Development of Social Media Tools to Enhance Organic Grower Information Networks</b> ORGANIC FARMING RESEARCH FOUNDATION 10-108	\$3,376	1/1/10 - 12/31/10
HEADRICK, DAVID	<b>Biology and management of Trupanea vincina, a native fruit fly species that has become a pest in ornamental flower production</b> U.S. DEPT OF AGRICULTURE (NIFA) VIA CSU AGRICULTURAL RESEARCH INSTITUTE 10-192	\$51,476	9/1/10 - 8/31/11
WONG, JEFFREY C. MARK, WALTER	<b>Identification of Pitch Canker Resistance Genes in a native Monterey pine stand</b> CSU - AGRICULTURAL RESEARCH INITIATIVE (SYSTEMWIDE) 10-166	\$235,618	7/1/10 - 6/30/13
<b><u>Natural Resource Management</u></b>			
DICUS, CHRISTOPHER A.	<b>Landscape-Level Impacts To Wildland Fire Severity, Carbon Sequestration And Air Quality As Affected By Alternative Fuel Treatment Strategies</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-021	\$120,712	7/1/09 - 6/30/12
DICUS, CHRISTOPHER A.	<b>McIntire-Stennis - Impacts of Alternative Fuel Treatment Strategies on Landscape-level Wildland Fire Severity, Carbon Sequestration and Air Quality</b> U.S. DEPT OF AGRICULTURE (NIFA) 10-141	\$44,046	10/1/09 - 9/30/12
DIETTERICK, BRIAN	<b>Post-Fire Change Detection of Selected Water Quality and Watershed Characteristics following the 2009 Lockheed Fire</b> CSU - AGRICULTURAL RESEARCH INSTITUTE (SYSTEMWIDE) 10-165	\$441,493	7/1/10 - 6/30/13
GILL, SAMANTHA THOMPSON, RICHARD	<b>FIA urban forestry project</b> U.S. DEPT OF AGRICULTURE (FOREST SERVICE) 10-238	\$991,700	4/1/10 - 9/30/13
MARK, WALTER CAMILLI, KIM	<b>Southern Area Sudden Oak Death Monitoring Plan</b> U.S. DEPT OF AGRICULTURE (FOREST SERVICE) 10-191	\$32,304	2/1/10 - 1/31/11
MARK, WALTER CAMILLI, KIM	<b>Regional Forest Health Specialist</b> CA DEPT OF FORESTRY 10-213	\$402,029	5/1/11 - 4/30/14
PIIRTO, DOUGLAS SHELTON, MARK	<b>McIntire-Stennis Forestry Research Program (2009-2010)</b> U.S. DEPT OF AGRICULTURE (NIFA) 10-111	\$49,005	10/1/09 - 9/30/10
PIIRTO, DOUGLAS SHELTON, MARK	<b>McIntire-Stennis Cooperative Forestry Research Act Program (2009-2010)</b> U.S. DEPT OF AGRICULTURE (NIFA) 10-122	\$121,874	10/1/09 - 9/30/10
SINK, SCOTT	<b>Start-up dendrochronology equipment for the NRM Department</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 10-135	\$4,650	11/1/09 - 10/31/10
THOMPSON, RICHARD  SINK, SCOTT	<b>McIntire-Stennis - Identification of Forestland Management and Market Conditions for Profitable Investment in Carbon Storing Forestry-Offset Projects Using the California Climate Action Registry Protocols</b> U.S. DEPT OF AGRICULTURE (NIFA) 10-142	\$19,859	10/1/09 - 9/30/11

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<b><u>Recreation, Parks, &amp; Tourism Administration</u></b>			
GREENWOOD, BRIAN	<b>The Efficacy of Establishing Sports Empowerment Zones in Economically Disadvantaged Urban Areas</b> WILLIAM T. GRANT FOUNDATION VIA UP2US 10-264	\$187,346	5/1/11 - 4/30/14
<b><u>Architecture &amp; Env Design</u></b>			
<b><u>Architectural Engineering</u></b>			
LAURSEN, PETER	<b>NEESR-CR: Multi-performance Structural Grid Systems Utilizing Insulated Concrete Forms</b> NATIONAL SCIENCE FOUNDATION (NEESR) VIA PORTLAND STATE UNIVERSITY 10-214	\$35,322	10/1/10 - 9/30/13
LYNN, ABRAHAM MCDANIEL, COLE	<b>NEESR-CR: Post-Earthquake Assessment of Concrete Buildings</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF WASHINGTON 10-303	\$74,999	10/1/10 - 9/30/13
MCDANIEL, COLE	<b>Creation of Engineering Self-Efficacy Scales</b> NATIONAL SCIENCE FOUNDATION (REESE) VIA NORTHERN ARIZONA UNIVERSITY 10-127	\$80,000	7/1/10 - 6/30/13
MCDANIEL, COLE ARCHER, GRAHAM	<b>Classroom Dynamics - A Guided Discovery-Based Learning Experience</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-298	\$175,556	1/1/11 - 12/31/13
SALIKLIS, EDMOND ARENS, ROBERT	<b>Design of a Rapidly Assembled Emergency Shelter: Material Modeling and Structural Architecture</b> NATIONAL SCIENCE FOUNDATION 10-143	\$275,721	6/1/10 - 5/31/12
<b><u>Architecture</u></b>			
DOERFLER, JAMES	<b>Architecture Design Solutions Student Projects</b> AUTODESK INC. 10-056	\$10,000	1/1/10 - 7/1/10
DOERFLER, JAMES CHEN, KATHERINE C.	<b>EVO- EVOLving the Responsive Building Envelope</b> NATIONAL SCIENCE FOUNDATION (EFRI) 10-066	\$1,999,987	7/1/10 - 6/30/14
POHL, JENS	<b>ICODES Development and Software Maintenance Support – Stage 19</b> U.S. DEPT OF DEFENSE VIA CDM TECHNOLOGIES, INC. 10-049	\$349,993	8/29/09 - 3/26/10
POHL, JENS ASSAL, HISHAM	<b>Intelligent Agent Support for Energy Conservation in Building Design in the Context of Sustainability</b> U.S. DEPT OF ENERGY - NATIONAL ENERGY TECHNOLOGY LAB 10-053	\$1,722,090	11/1/09 - 3/31/11
POHL, JENS	<b>ICODES development and software maintenance support - Stage 20</b> U.S. DEPT OF DEFENSE VIA CDM TECHNOLOGIES, INC. 10-212	\$119,988	2/27/10 - 4/23/10
POHL, JENS	<b>ICODES Development and Software Maintenance Support – Stage 21</b> U.S. DEPT OF DEFENSE VIA CDM TECHNOLOGIES, INC. 10-311	\$239,977	5/8/10 - 8/27/10
STANNARD, SANDRA MCDERMOTT, ANN	<b>Nature's Classroom: An Interactive Place for Enhanced Outdoor Learning for Bishop's Peak/Teach Elementary School Students</b> SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION - HEAL-SLO 10-284	\$5,000	7/1/10 - 6/30/11

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<b><u>City &amp; Regional Planning</u></b>			
<b>GREVE, ADRIENNE</b>	<b>City of San Luis Obispo Climate Action Plan</b> U.S. DEPT OF ENERGY NATIONAL ENERGY TECHNOLOGY LAB. (ARRA) VIA CITY OF SAN LUIS OBISPO 09-308	\$29,749	9/7/09 - 4/30/10
<b>NUWORSOO, CORNELIUS</b> PANDE, ANURAG	<b>Guidelines for Transit Bus Stop Spacing: Improving Accessibility and Performance</b> U.S. DEPT OF TRANSPORTATION AND CALTRANS VIA MINETA TRANSPORTATION INSTITUTE AT SAN JOSE STATE UNIVERSITY 10-029	\$64,546	8/1/10 - 7/31/11
<b>NUWORSOO, CORNELIUS</b>	<b>Smart Dial-a-Ride for Demand-Responsive Transit: Operations Analysis and Development of a Concept for Improvements</b> CSU SAN BERNARDINO, LEONARD TRANSPORTATION CENTER 10-032	\$49,729	9/1/09 - 10/31/10
<b>NUWORSOO, CORNELIUS</b>	<b>City of Arroyo Grande Community Planning Project</b> CITY OF ARROYO GRANDE 10-063	\$9,999	9/21/09 - 5/31/10
<b>TOKER, UMUT</b>	<b>Draft Downtown Soledad Urban Design Plan - CRP 203</b> CITY OF SOLEDAD 10-218	\$9,835	3/30/10 - 7/15/10
<b>TOKER, UMUT</b> CLARK, CHRIS	<b>Morro Bay Draft Downtown Specific Plan - CRP 553</b> CITY OF MORRO BAY 10-219	\$9,865	4/1/10 - 7/15/10
<b><u>Construction Management</u></b>			
<b>BARLOW, PHILIP</b>	<b>Effects on Re-Inspection of Utilizing Internet Based Quality Control Software Services (IB-QC-SS) on Hospital Construction Projects</b> HEALTHCARE TECHNICAL SERVICES (HTS) 10-275	\$10,000	4/1/10 - 9/30/10
<b>HAUCK, ALLAN</b>	<b>Construction Management Education Account 2009-10</b> CA CONTRACTORS STATE LICENSE BOARD 10-265	\$41,278	1/1/10 - 12/31/10
<b>KORMAN, THOMAS</b>	<b>CAREER: Non-concurrent product life-cycle integration for co-existing systems</b> NATIONAL SCIENCE FOUNDATION (CAREER) 10-002	\$453,933	9/14/09 - 9/13/14
<b>KORMAN, THOMAS</b> SIMONIAN, LONNY G.	<b>BIM Training and Implementation Course for Electrical Contractors</b> ELECTRI INTERNATIONAL 10-161	\$35,483	4/1/10 - 3/31/11
<b>SIMONIAN, LONNY G.</b> KORMAN, THOMAS	<b>Value Recognition and Promotion of Project Management Professional (PMP) Certification within the Building Construction Industry (BCI)</b> PROJECT MANAGEMENT INSTITUTE 10-310	\$49,939	1/1/11 - 9/12/11
<b><u>Landscape Architecture</u></b>			
<b>TORRES-BUSTAMANTE, CESAR</b> NEVEU, MARC	<b>Laboratory for Urban Identity Studies (LUIS): Local Identity of Global Cities in North America</b> U.S. DEPT OF EDUCATION (FIPSE) 10-220	\$185,000	9/1/10 - 8/31/14

# PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Business</b>			
<b><u>Accounting</u></b>			
CARR, CHRIS	<b>Assessing the legal and economic impacts of container fees used to finance transportation improvements and enhance air quality</b> CSU SAN BERNARDINO, LEONARD TRANSPORTATION CENTER 10-330	\$49,995	9/13/10 - 9/12/11
CERF, DOUGLAS	<b>California Polytechnic State University VITA program coalition</b> INTERNAL REVENUE SERVICE - (VITA) 10-015	\$130,246	7/1/09 - 6/30/10
QUIJANO, EDDY	<b>Cal Poly Low Income Taxpayer Clinic</b> INTERNAL REVENUE SERVICE - (LITC) 09-263	\$95,723	1/1/10 - 12/31/10
<b><u>Finance</u></b>			
ANDERSON, BING	<b>Reducing the cost of debt of California by establishing a state owned bank</b> CALIFORNIA DEBT AND INVESTMENT ADVISORY COMMISSION VIA CALIFORNIA STATE UNIVERSITY, SACRAMENTO 10-205	\$30,000	3/1/10 - 1/24/11
RIENER, KENNETH	<b>Economic impact of diablo canyon nuclear energy facility</b> PACIFIC GAS & ELECTRIC COMPANY 10-145	\$28,897	11/1/09 - 1/30/10
<b><u>Industrial Technology</u></b>			
TORNATZKY, LOUIS METCALF, LYNN	<b>Stranded assets: Geographically isolated university towns and regional technology-based economic development</b> NATIONAL SCIENCE FOUNDATION 10-052	\$667,253	6/15/10 - 6/14/13
TORNATZKY, LOUIS SINGH, JAGJIT	<b>IT Consortium Task #1: Life cycle inventory (LCI) as a tool for packaging sustainability</b> IT CONSORTIUM 10-185	\$36,781	9/1/09 - 8/31/10
TORNATZKY, LOUIS SINGH, JAGJIT	<b>IT Consortium Task #2: Development of a database of LCI based studies conducted worldwide for packaging applications</b> IT CONSORTIUM 10-186	\$42,482	9/1/09 - 8/31/10
TORNATZKY, LOUIS VORST, KEITH	<b>IT Consortium Task #3: Validation of post-consumer recycled (PCR) and bio-based, biodegradable substrate composition, ASTM label claims for sustainability, food safety, performance and regulatory compliance</b> IT CONSORTIUM 10-187	\$44,482	9/1/09 - 8/31/10
TORNATZKY, LOUIS VORST, KEITH	<b>IT Consortium Task #4: Migration of low-molecular weight compounds from polymeric substrates</b> IT CONSORTIUM 10-188	\$44,482	9/1/09 - 8/31/10
TORNATZKY, LOUIS VORST, KEITH	<b>IT Consortium</b> IT CONSORTIUM 10-203	\$0	9/1/09 - 8/31/10
VORST, KEITH	<b>Development of a bio-based and biodegradable polylactic acid spray coating and hot melt adhesive for corrugate and paperboard packages</b> HENKEL - INDUSTRIAL ADHESIVES AND LBP MANUFACTURING 10-113	\$159,059	1/1/10 - 12/31/10

# PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Management</u></b>			
LERTWACHARA, KEVIN	<b>Multidimensional Information Search and Retrieval: Bridging Rigid Semantics and User Preferences</b> NATIONAL ENDOWMENT FOR THE HUMANITIES 09-296	\$99,327	1/1/10 - 3/31/11
<b><u>Marketing</u></b>			
NEILL, STERN  COGET, JEAN-FRANCOIS	<b>RUI: Small change upper echelons theory and the social psychology of incremental innovation in California's wine industry</b> NATIONAL SCIENCE FOUNDATION (RUI)  10-177	  \$293,908	  10/1/10 - 9/30/13
<b><u>Education</u></b>			
<b><u>Education</u></b>			
KONOPAK, BONNIE  CEASER, LISBETH	<b>Central California Partnership for Teacher Quality Programs: CSU Bakersfield, CSU Monterey Bay, Cal Poly</b> U.S. DEPT OF EDUCATION VIA CSU BAKERSFIELD 10-004	  \$2,226,344	  10/1/09 - 9/30/14
<b><u>Engineering</u></b>			
<b><u>Aerospace Engineering</u></b>			
MCDONALD, ROBERT WESTPHAL, RUSSELL	<b>Cal Poly Flight Test Platform and Instrumentation Development</b> U.S. AIR FORCE, EDWARDS AFB 10-051	  \$41,436	  9/30/09 - 9/30/10
PUIG-SUARI, JORDI	<b>Poly Picosatellite Orbital Deployer (P-POD) Project</b> NASA - KENNEDY SPACE CENTER 09-236	  \$0	  10/1/09 - 9/30/14
PUIG-SUARI, JORDI	<b>P-POD Integration and Launch Support</b> NASA Wallops via Hawk Institute for Space Science LLC 09-303	  \$32,500	  5/1/09 - 4/30/10
PUIG-SUARI, JORDI COELHO, ROLAND	<b>P-POD and RocketPod on Steroids, Phase II</b> DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) VIA ECLIPTIC ENTERPRISES CORPORATION 10-009	  \$300,000	  7/1/09 - 6/30/10
PUIG-SUARI, JORDI	<b>Light Sail 1 mission</b> PLANETARY SOCIETY VIA STELLAR EXPLORATIONS 10-037	  \$159,600	  4/1/10 - 7/31/11
PUIG-SUARI, JORDI	<b>CubeSat Electrical Power Subsystem and Thermal Management Program Design and Testing Support</b> NATIONAL RECONNAISSANCE OFFICE VIA THE BOEING COMPANY 10-055	  \$35,714	  2/22/10 - 10/30/10
PUIG-SUARI, JORDI	<b>Colony II Environmental Test Support Services</b> NATIONAL RECONNAISSANCE OFFICE VIA THE BOEING COMPANY 10-064	  \$310,000	  3/2/10 - 12/1/12
PUIG-SUARI, JORDI	<b>Poly Picosatellite Orbital Deployer (P-POD) NPP Project Mission Support</b> NASA - KENNEDY SPACE CENTER 10-243	  \$52,925	  3/1/10 - 9/30/11

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Aerospace Engineering</u></b>			
PUIG-SUARI, JORDI	<b>Mayflower P-POD Integration and Testing Support</b> APPLIED MINDS INC. 10-267	\$55,000	5/1/10 - 8/31/10
PUIG-SUARI, JORDI	<b>Cubesat/Collaborative Research: Composition variations in the exosphere, thermosphere, and topside ionosphere (EXOCUBE)</b> NATIONAL SCIENCE FOUNDATION VIA SCIENTIFIC SOLUTIONS INC. 10-297	\$476,000	11/18/10 - 11/17/13
<b><u>Biomedical and General Engineering</u></b>			
CARDINAL, KRISTEN	<b>CAREER: Not Just a Bypass: Tissue Engineered Blood Vessels as In Vitro Models for Stent Evaluation</b> NATIONAL SCIENCE FOUNDATION (CAREER) 09-273	\$401,658	7/1/10 - 6/30/15
CARDINAL, TREVOR	<b>The Impact of Chronic Ischemia and Vascular Remodeling on Collateral Artery Vascular Reactivity and Blood Flow Regulation.</b> NATIONAL INSTITUTES OF HEALTH - AREA (R15) 10-097	\$419,750	7/1/10 - 6/30/13
CARDINAL, KRISTEN	<b>Development of a tissue engineered blood brain barrier In Vitro Model</b> CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 10-233	\$15,000	5/1/10 - 10/31/11
CLAGUE, DAVID	<b>Nanoelectrode-Dielectrophoresis and Impedance Sensing of Submicron Particles</b> DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) 10-232	\$209,212	8/1/10 - 7/31/12
LAIHO, LILY JIMENEZ-FLORES, RAFAEL	<b>Evaluation of Sphingomyelin as an Inhibitor of Skin Cancer Induced by UV</b> THE AMERICAN CANCER SOCIETY 10-091	\$696,605	7/1/10 - 6/30/14
SZLAVIK, ROBERT	<b>Determination of peripheral nerve conduction velocity distributions using a novel electrophysiology technique</b> CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 10-234	\$14,919	5/1/10 - 10/31/11
<b><u>Civil &amp; Environmental Engineering</u></b>			
GOEL, RAKESH	<b>Bridge Design for Earthquake Fault Crossings: Synthesis of Design Issues and Strategies</b> CA DEPT OF TRANSPORTATION (CALTRANS) 10-092	\$189,064	6/1/10 - 5/31/12
GOEL, RAKESH	<b>LNGTEMS/MOTEMS Performance-based seismic criteria</b> CALIFORNIA STATES LANDS COMMISSION (CSLC) 10-146	\$44,737	12/1/09 - 6/30/11
HANSON, JAMES YESILLER, NAZLI	<b>Evaluation of thermal conditions and mechanical response of liner systems at the Corralitos Regional Landfill, Task #1</b> SOUTH CENTRAL SOLID WASTE AUTHORITY 09-271	\$20,000	6/1/09 - 5/31/11
HANSON, JAMES YESILLER, NAZLI	<b>MRI-R2: Acquisition of integrated system for multi-scale analysis of surface characteristics in civil engineering applications</b> NATIONAL SCIENCE FOUNDATION (MRI-R2) - ARRA 09-297	\$779,034	6/1/10 - 5/31/13
JANSEN, DANIEL THATCHER, TRACY	<b>VOC emissions from flooring systems and the impact of floor leveling screeds</b> ADVANCED RESURFACING CONCRETE PRODUCTS, INC. 10-058	\$6,143	9/1/09 - 11/1/09

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Civil &amp; Environmental Engineering</u></b>			
<b>KACHLAKEV, DAMIAN I.</b> LEHR, CORINNE	<b>Durability Studies of Modified Plastering Mixes, Surface Deteriorations of Plastered Swimming Pools-Phase Seven</b> NATIONAL PLASTERERS COUNCIL INC. 10-102	\$142,485	10/1/09 - 9/30/10
<b>KACHLAKEV, DAMIAN I.</b> LEHR, CORINNE	<b>IPSSA Protocol Phase 1</b> INDEPENDENT POOL AND SPA SERVICE ASSOCIATION, INC. 10-271	\$6,423	12/30/09 - 6/30/10
<b>LUNDQUIST, TRYGVE</b>	<b>Demonstrate the Use of Algalculture Biomass as a Feedstock for Biodiesel Production</b> U.S. DEPT OF DEFENSE VIA NAVFAC ENGINEERING SERVICE CENTER (ARRA) 10-011	\$53,929	3/1/10 - 1/1/13
<b>LUNDQUIST, TRYGVE</b> LEHR, CORINNE	<b>Use of Existing Microalgal "Cultivars" in Strain Selection for Biofuel Feedstock</b> U.S. DEPT OF ENERGY VIA ARIZONA STATE UNIVERSITY 10-012	\$500,000	1/1/10 - 12/31/12
<b>LUNDQUIST, TRYGVE</b>	<b>Low-cost waste-grown algae biofuel feedstock production</b> CA ENERGY COMMISSION 10-038	\$250,000	10/1/10 - 3/31/12
<b>MOSS, ROBB</b>	<b>NEESR-CR: Towards physics-based numerical models of earthquake-induced slope movements: experimental and numerical studies</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF TEXAS, AUSTIN 10-251	\$78,691	9/1/10 - 8/31/13
<b>MOSS, ROBB</b>	<b>Research towards a more comprehensive less biased predictor of site response.</b> U.S. GEOLOGICAL SURVEY (EARTHQUAKE HAZARDS PROGRAM) 10-312	\$56,371	12/1/10 - 11/30/11
<b>MULETA, MISGANAN</b>	<b>RUI: Towards the Development of an Integrative Multi-objective Decision Support Model for Watershed Management</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-082	\$236,616	7/1/10 - 6/30/13
<b>MULETA, MISGANAN</b>	<b>BRIGE: Integrative modeling for planning and management of sustainable water resources systems</b> NATIONAL SCIENCE FOUNDATION (BRIGE) 10-246	\$173,330	9/1/10 - 8/31/12
<b>NELSON, YARROW M.</b> LUNDQUIST, TRYGVE	<b>Microalgae production and harvesting in wastewater</b> MICROBIO ENGINEERING INC. 10-155	\$54,036	7/1/09 - 12/31/10
<b>NELSON, YARROW M.</b> VIGIL, SAM A	<b>Sustainable local production of paper from yard waste</b> U.S. ENVIRONMENTAL PROTECTION AGENCY 10-172	\$9,240	8/15/10 - 8/14/11
<b>PANDE, ANURAG</b> NUWORSOO, CORNELIUS	<b>Assessment of Public Perception of User-Based fees and Tolls to Finance Transportation Infrastructure Improvements</b> CSU SAN BERNARDINO, LEONARD TRANSPORTATION CENTER 10-080	\$49,995	10/1/09 - 9/30/10
<b>PANDE, ANURAG</b> NUWORSOO, CORNELIUS	<b>Proactive assessment of accident risk to improve safety on a system of freeways</b> U.S. DEPT OF TRANSPORTATION AND CALTRANS VIA MINETA TRANSPORTATION INSTITUTE AT SAN JOSE STATE UNIVERSITY 10-322	\$53,898	9/1/10 - 8/31/11
<b>QU, BING</b>	<b>NEESR-CR: Seismic-Resistant concrete-filled steel plate sandwich walls (CFSP Sandwich Walls)</b> NATIONAL SCIENCE FOUNDATION VIA SUNYAT BUFFALO 10-252	\$284,197	10/1/10 - 9/30/13

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Civil &amp; Environmental Engineering</u></b>			
QU, BING	<b>NEESR-CR: Collapse prevention for new and existing low-ductility steel concentrically-braced frames</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN 10-293	\$89,380	10/1/10 - 9/30/13
RAHIM, ASHRAF M.	<b>Soil Stabilization Guide</b> CALTRANS VIA UNIVERSITY OF CALIFORNIA, DAVIS 10-048	\$60,222	1/1/10 - 8/31/10
RAHIM, ASHRAF M.	<b>Mitigating moisture susceptibility of asphalt mixes</b> CSU SAN BERNARDINO, LEONARD TRANSPORTATION CENTER 10-184	\$48,140	3/1/10 - 2/28/11
RAHIM, ASHRAF M.	<b>Summer Undergraduate Research Fellowship (Gaithersburg, MD)</b> NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (SURF) 10-225	\$8,315	5/1/10 - 9/30/10
RAHMAN, SHIKHA	<b>TUES: Adaptive learning environment: Course Modules for fluctuating learning styles</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-319	\$127,530	1/1/11 - 12/31/12
YESILLER, NAZLI HALL, GARRETT J.	<b>MRI: Acquisition of optical interferometry system for multi-scale analysis of surface characteristics for civil engineering applications</b> NATIONAL SCIENCE FOUNDATION (MRI) 10-253	\$371,982	1/3/11 - 1/2/14
<b><u>College of Engineering</u></b>			
BREITENBACH, STACEY	<b>MESA Schools Program 2010-2011</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 10-245	\$80,000	7/1/10 - 6/30/11
DURGIN, WILLIAM	<b>Support for the Cal Poly e-plane project</b> CALIFORNIA SPACE GRANT CONSORTIUM 10-167	\$10,000	2/1/10 - 8/31/10
DURGIN, WILLIAM	<b>Center for renewable energy and alternative electric transportation technologies (CREATT)</b> U.S. DEPT OF ENERGY 10-224	\$250,000	7/1/10 - 6/30/11
<b><u>Computer Science</u></b>			
CLARK, CHRISTOPHER MOLINE, MARK	<b>REU Site: Acoustic Tracking of Marine Species with AUV's</b> NATIONAL SCIENCE FOUNDATION (REU) 09-300	\$257,877	4/1/10 - 3/31/13
CLARK, CHRISTOPHER	<b>CAREER: Tracking Dynamic Marine Entities using Autonomous Underwater Vehicles</b> NATIONAL SCIENCE FOUNDATION (CAREER) 09-301	\$624,646	4/1/10 - 3/31/15
CLARK, CHRISTOPHER LEHR, JANE	<b>International: Underwater Archeology via Robotic Systems</b> NATIONAL SCIENCE FOUNDATION (IRES) 10-057	\$150,000	9/1/10 - 8/31/13
CLARK, CHRISTOPHER MOLINE, MARK	<b>Arctic Ice Edge Ecosystem Exploration and Sampling via Automated Underwater Vehicles</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) 10-094	\$460,930	4/1/10 - 3/31/12
CLARK, CHRISTOPHER MOLINE, MARK	<b>RI: Small: RUI: Shark Tracking with Multiple Autonomous Underwater Vehicles</b> NATIONAL SCIENCE FOUNDATION (IIS) 10-100	\$499,440	7/1/10 - 6/30/13

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PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Computer Science</u></b>			
CLARK, CHRISTOPHER MOLINE, MARK	<b>IDR: Tracking dynamic marine entities using autonomous underwater vehicles</b> NATIONAL SCIENCE FOUNDATION (IDR) 10-154	\$595,849	6/1/10 - 5/31/13
CLARK, CHRISTOPHER CLEMENTS, JOHN	<b>Exploring the relationship between computing education and applications of computing</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-222	\$199,768	11/1/10 - 10/31/13
DEKHTYAR, ALEXANDER	<b>HCC: Small: Collaborative Research: Decision-theoretic advising</b> NATIONAL SCIENCE FOUNDATION (IIS) 10-160	\$137,589	7/1/10 - 6/30/12
<b><u>Electrical Engineering</u></b>			
BRAUN, DAVID ELLIOT, DENNIS	<b>Soft-switching DC-DC conversion to harvest exercise machine electricity</b> CA ENERGY COMMISSION - ENERGY INNOVATIONS SMALL GRANT PROGRAM 10-229	\$51,904	12/1/10 - 11/30/11
DERICKSON, DENNIS	<b>High Speed Laser Distance and Ranging (LADAR) and sensing applications using Wavelength-tunable photonic integrated circuits</b> DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) 10-231	\$214,894	10/1/10 - 10/1/12
GERFEN, JEFFREY	<b>Smart Dial-a-Ride for Demand-Responsive Transit Operations: Research and Development of a Prototype Dispatch Assistance Tool</b> CSU SAN BERNARDINO, LEONARD TRANSPORTATION CENTER 10-033	\$49,990	10/1/09 - 10/31/10
GERFEN, JEFFREY	<b>Deployment support for Efficient Deployment of Advanced Public Transportation Systems (EDAPTS): Preparation for final operational testing</b> CA DEPARTMENT OF TRANSPORTATION (CALTRANS) 10-221	\$174,995	4/5/10 - 6/30/12
JIN, XIAOMIN	<b>A Hybrid InP/Si High-power Phased-array Photonic Emitter with Rapid and Wide Range Steering</b> DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) VIA GEORGIA INSTITUTE OF TECHNOLOGY 10-132	\$219,970	7/1/10 - 6/30/14
OLIVER, JOHN MAGNUSSON, SHIRLEY	<b>Using Siftables for STEM Learning in Primary Schools</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-101	\$601,496	6/14/10 - 6/13/13
SAGHRI, JOHN A. ZHANG, XIAOZHENG (JANE)	<b>REU Site: Advancing Computer Vision in Remote Sensing (ACVRS)</b> NATIONAL SCIENCE FOUNDATION (REU) 10-095	\$357,306	4/1/10 - 3/31/13
SLIVOVSKY, LYNNE TRICE, THOMAS	<b>Organic Twittering: A Service-Learning Approach to Green Jobs</b> CORPORATION FOR NATIONAL AND COMMUNITY SERVICE (LEARN AND SERVE) VIA CA CAMPUS COMPACT 10-034	\$22,014	8/15/09 - 6/30/10
SLIVOVSKY, LYNNE TRICE, THOMAS	<b>Organic Twittering: Building Green Economic Capacity</b> CORPORATION FOR NATIONAL AND COMMUNITY SERVICE (LEARN AND SERVE) VIA CA CAMPUS COMPACT 10-196	\$25,000	7/1/10 - 6/30/11
SLIVOVSKY, LYNNE TRICE, THOMAS	<b>Collaborative Research: Finding personal meaning and societal connections in engineering education: A case study in integrated course transfer</b> NATIONAL SCIENCE FOUNDATION (IEECI) VIA FRANKLIN W. OLIN COLLEGE OF ENGINEERING 10-270	\$105,064	9/1/10 - 8/31/12

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PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Industrial &amp; Manufacturing Engineering</u></b>			
ALPTEKIN, SEMA	<b>Village-sized Biogas Production Facility</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 10-109	\$49,975	1/1/10 - 6/1/11
SCHLEMER, LIZ	<b>Creating a replicable transformation path for change: A pilot study on overcoming the barriers to individualized teaching and learning</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-098	\$249,505	1/1/11 - 12/31/13
<b><u>Materials Engineering</u></b>			
CHEN, KATHERINE C. HERTER, ROBERTA	<b>Collaborative Research: Understanding students' development and deployment of lifelong learning skills</b> NATIONAL SCIENCE FOUNDATION (TUES) VIA FRANKLIN W. OLIN COLLEGE OF ENGINEERING 10-320	\$97,787	6/1/11 - 5/31/14
HARDING, TREVOR	<b>Collaborative Research: Longitudinal Measurement of Ethical Development in Engineering Students and Professionals</b> NATIONAL SCIENCE FOUNDATION 10-013	\$319,168	1/1/10 - 12/31/13
HARDING, TREVOR	<b>Collaborative Research: The SEED-IA - A practical instrument for assessing individual ethics initiatives</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-035	\$38,058	1/1/11 - 12/31/12
HARDING, TREVOR	<b>Fee-for-Service Agreement, Materials Engineering Department Instruments and Facilities</b> VARIOUS SPONSORS 10-085	\$0	10/1/09 - 12/31/10
HARDING, TREVOR	<b>Testing services for Agilent Technologies</b> AGILENT TECHNOLOGIES, INC 10-286	\$12,975	4/2/10 - 10/1/10
VANASUPA, LINDA	<b>Opening the Dialogue to Collaborate for Systemic Change at Cal Poly</b> NATIONAL SCIENCE FOUNDATION VIA NATIONAL ACADEMY OF ENGINEERING 10-008	\$2,500	8/28/09 - 12/31/09
VANASUPA, LINDA	<b>Collaborative Research: A Student-centered, Multidisciplinary, Project Based Climate Solutions Course for Large Enrollments</b> NATIONAL SCIENCE FOUNDATION (CCLI) VIA SAN JOSE STATE UNIVERSITY 10-099	\$72,456	6/1/10 - 8/31/13
VANASUPA, LINDA	<b>Sustainable Housing Materials for New Rural Economies in China</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 10-110	\$48,510	1/1/10 - 6/30/11
VANASUPA, LINDA SCHLEMER, LIZ	<b>Establishing a distributed community of educators to study a transformational education experiment</b> NATIONAL SCIENCE FOUNDATION (IEECI) 10-194	\$386,896	8/1/10 - 7/31/14
VANASUPA, LINDA ALPTEKIN, SEMA	<b>China-US workshop on sustainable development: a transdisciplinary collaboration using holistic, research-based learning</b> NATIONAL SCIENCE FOUNDATION (OISE) 10-242	\$58,937	8/1/10 - 7/31/12
<b><u>Mechanical Engineering</u></b>			
CHEN, JOHN MCGAUGHEY, KAREN	<b>Efficacy testing of peer instruction for concept learning and application</b> NATIONAL SCIENCE FOUNDATION (IEECI) 10-195	\$298,909	7/1/10 - 6/30/13

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PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Mechanical Engineering</u></b>			
<b>DAVOL, ANDREW</b>	<b>Mustang 60 Fee for Service</b> VARIOUS SPONSORS 10-200	\$0	2/1/10 - 12/31/10
<b>KLISCH, STEPHEN M.</b> HAZELWOOD, SCOTT	<b>RUI: Mechanobiology of articular cartilage stimulated with dynamic compression and lateral restraint: experiments and modeling</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-227	\$350,818	1/1/11 - 12/31/13
<b>KLISCH, STEPHEN M.</b> HAZELWOOD, SCOTT	<b>Mechanobiology of shaping articular cartilage explants: experiments and modeling</b> NATIONAL INSTITUTES OF HEALTH 10-228	\$327,898	1/1/11 - 12/31/13
<b>LEMIEUX, PATRICK</b>	<b>Fee-For-Service Cal Poly Engines Laboratory</b> VARIOUS SPONSORS 10-282	\$0	4/15/10 - 12/31/10
<b>MACKIN, THOMAS</b>	<b>Research Experiences for Undergraduates (REU) SitesProposal: Undergraduate Research in Micro-Systems Design, Fabrication, and Testing</b> NATIONAL SCIENCE FOUNDATION 10-096	\$2,452,227	9/1/10 - 8/31/15
<b>MURRAY, WILLIAM R</b>	<b>Design, construction, and flight test of a hybrid rocket with a cooled aerospike nozzle</b> CALIFORNIA SPACE GRANT CONSORTIUM 10-230	\$10,000	2/1/10 - 9/30/10
<b>OWEN, FRANK</b>	<b>h-Project: Dual MS degree focused on energy efficiency</b> U.S. DEPT OF EDUCATION (FIPSE) - ATLANTIS 10-285	\$416,000	9/1/10 - 8/31/14
<b>PASCUAL, CHRISTOPHER</b>	<b>Science Masters Program: Fire Protection Engineering</b> NATIONAL SCIENCE FOUNDATION (SMP) 10-090	\$696,825	7/1/10 - 6/30/13
<b>PASCUAL, CHRISTOPHER</b>	<b>Thermal sciences for fire protection engineers</b> NUCLEAR REGULATORY COMMISSION 10-226	\$101,766	6/1/10 - 5/31/12
<b>SELF, BRIAN</b> WIDMANN, JAMES	<b>Using inquiry-based activities to repair student misconceptions in engineering dynamics</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-321	\$200,000	1/1/11 - 8/31/13
<b>WESTPHAL, RUSSELL</b>	<b>Boundary layer measurement on an operating SWT 2.3-101 wind turbine</b> SIEMENS ENERGY INC. 10-197	\$14,633	5/1/10 - 7/31/10
<b>WESTPHAL, RUSSELL</b>	<b>Wing Boundary Layer Measurement System</b> NASA DRYDEN RESEARCH CENTER 10-283	\$147,321	5/1/10 - 4/30/11
<b>WESTPHAL, RUSSELL</b> CHEN, JOHN	<b>MRI: Development of a high-speed oil-film interferometer</b> NATIONAL SCIENCE FOUNDATION (MRI) 10-294	\$193,791	10/1/10 - 9/30/12
<b><u>Multicultural Engineering Program</u></b>			
<b>MILLAN, JOSE</b>	<b>NSF / MESA CSEMS Scholarship Grant Program 2009 -2010</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 10-152	\$18,750	8/31/09 - 6/30/10

# PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Liberal Arts</b>			
<b><u>Art &amp; Design</u></b>			
<b>MARTINEZ, CHARMAINE</b> VAN KLEECK, JEFFREY	<b>Heal-SLO recipe card design and printing</b> SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION - HEAL-SLO 10-272	\$4,965	7/1/10 - 6/30/11
<b>VAN KLEECK, JEFFREY</b> DUFFY, SUSAN	<b>On the road: Traveling arts exhibitions to rural and low income schools and communities</b> INSTITUTE OF MUSEUM AND LIBRARY SERVICES 10-176	\$38,465	9/1/10 - 8/31/11
<b>VAN KLEECK, JEFFREY</b>	<b>University Art Gallery for the 2010-2011 exhibition season</b> CITY OF SAN LUIS OBISPO (PCC) 10-259	\$3,872	7/1/10 - 6/30/11
<b><u>Cal Poly Arts</u></b>			
<b>LERIAN, STEVE</b>	<b>Festival Latino</b> CA ARTS COUNCIL 09-216	\$15,000	11/1/09 - 10/31/11
<b>LERIAN, STEVE</b> WILT, PETER	<b>NEA jazz masters and more series</b> NATIONAL ENDOWMENT FOR THE ARTS 10-025	\$32,366	7/1/10 - 10/31/10
<b>LERIAN, STEVE</b>	<b>Innerstate dance tour</b> JAMES IRVINE FOUNDATION VIA ODC THEATRE 10-083	\$15,000	1/1/10 - 12/31/10
<b>LERIAN, STEVE</b>	<b>Performance by Aquila Theatre Company</b> NATIONAL ENDOWMENT FOR THE ARTS VIA TOURWEST 10-279	\$2,500	9/1/10 - 8/30/11
<b>LERIAN, STEVE</b>	<b>Performance by Esperanza Spalding</b> NATIONAL ENDOWMENT FOR THE ARTS VIA TOURWEST 10-280	\$2,500	9/1/10 - 8/31/11
<b><u>Philosophy</u></b>			
<b>FERNFLORES, FRANCISCO</b>	<b>Accelerated motion and interpretations of relativity: an integrated historical and philosophical approach</b> NATIONAL SCIENCE FOUNDATION (STS) 10-027	\$134,754	3/29/10 - 12/29/10
<b>LIN, PATRICK</b> BEKEY, GEORGE	<b>RUI: Collaborative Proposal: Ethical issues in human-robot interactions in healthcare</b> NATIONAL SCIENCE FOUNDATION (STS) 10-018	\$200,000	4/1/09 - 3/31/12
<b>LIN, PATRICK</b>	<b>US Naval Academy fellowship</b> U.S. NAVAL ACADEMY 10-044	\$10,000	9/1/09 - 4/30/10
<b>LIN, PATRICK</b> HURT, SHELLEY	<b>RUI: Collaborative Research: Geoengineering Opportunities and Risk: From Ethics to Policy</b> NATIONAL SCIENCE FOUNDATION (STS) 10-190	\$250,000	9/1/10 - 8/31/13
<b>LIN, PATRICK</b> BEKEY, GEORGE	<b>RUI: Robot ethics: Ethical and social issues in emerging robotics</b> NATIONAL SCIENCE FOUNDATION (STS) 10-202	\$284,119	9/1/10 - 8/31/13

# PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Psychology &amp; Child Development</u></b>			
CALDWELL, ROSLYN	<b>Prevention and Intervention Services Proposal: The Bakari Project©: A mentoring, treatment intervention, and prevention program for juvenile male probationers</b> SAN LUIS OBISPO SHERIFF'S DEPARTMENT 09-333	\$47,130	9/1/09 - 6/30/10
CALDWELL, ROSLYN	<b>The Bakari Project mentoring program at Cal Poly</b> U.S. DEPT OF JUSTICE - OFFICE OF JUVENILE JUSTICE AND DELINQUENCY PREVENTION 10-291	\$313,481	10/1/10 - 9/30/13
CALDWELL, ROSLYN	<b>The Bakari Project© mentoring program at Cal Poly - Pathways to adulthood</b> SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION 10-344	\$9,946	9/1/10 - 8/31/11
ENGLE, PATRICE	<b>Early child development programs: Effective interventions for human development?</b> NATIONAL INSTITUTES OF HEALTH VIA UNIVERSITY OF PENNSYLVANIA 10-024	\$262,705	5/1/10 - 4/30/15
ENGLE, PATRICE	<b>Early child development programs: Effective interventions for human development?</b> NATIONAL INSTITUTES OF HEALTH VIA UNIVERSITY OF PENNSYLVANIA 10-128	\$262,705	7/1/10 - 6/30/15
ENGLE, PATRICE	<b>Regional indicators and data on early childhood development (ECD) and readiness to learn</b> INTER-AMERICAN DEVELOPMENT BANK 10-129	\$50,232	1/1/10 - 12/31/11
<b><u>Social Sciences</u></b>			
JONES, TERRY	<b>Analysis of CA-SLO-1370 archaeological materials from Diablo Canyon's North Ranch</b> PACIFIC GAS & ELECTRIC COMPANY 10-236	\$23,251	3/1/10 - 6/1/11
<b><u>Science &amp; Mathematics</u></b>			
<b><u>Biological Sciences</u></b>			
CANO, RAUL NELSON, YARROW M.	<b>Energy recovery from waste glycerol from biodiesel processing using yeast cultures for production of lipids and ethanol</b> NATIONAL SCIENCE FOUNDATION 10-041	\$477,742	1/1/10 - 12/31/12
CANO, RAUL KITTS, CHRISTOPHER L	<b>Integrating molecular forensics into the undergraduate science, technology, engineering and mathematics (STEM) curriculum to Address Environmental, Health and Food Safety Issues in California</b> KECK FOUNDATION 10-043	\$249,504	3/1/10 - 2/28/13
KEIL, DAVID	<b>Collaborative Proposal: Harnessing the Power of Herbarium Specimens to Understand the Changing Flora of a Biodiversity Hotspot in Peril</b> NATIONAL SCIENCE FOUNDATION (BRC) VIA UNIVERSITY OF CALIFORNIA SANTA BARBARA 09-332	\$51,393	7/1/10 - 6/30/14
KITTS, CHRISTOPHER L BLACK, MICHAEL	<b>Integrating molecular forensics modules in the undergraduate science curriculum</b> CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 10-235	\$15,000	5/1/10 - 10/31/11
KITTS, CHRISTOPHER L BLACK, MICHAEL	<b>Preparing the next generation of STEM professionals: Integrating computational thinking into an applied molecular forensics research program</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-326	\$199,997	1/1/11 - 12/31/12

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Biological Sciences</u></b>			
<b>MOLINE, MARK</b> ADAMS, NIKKI	<b>Research Vessel Landing Improvements for the Cal Poly Center for Coastal Marine Sciences Pier Facility</b> NATIONAL SCIENCE FOUNDATION (ARI-R2) - ARRA 09-317	\$1,125,000	1/1/10 - 12/31/11
<b>MOLINE, MARK</b>	<b>Modeling harbor mouth mophodynamics</b> OFFICE OF NAVAL RESEARCH VIA BATTELLE PACIFIC NATIONAL LABORATORY 10-068	\$65,000	10/1/09 - 9/30/10
<b>MOLINE, MARK</b>	<b>Resolving complex flows in a reef/island environment</b> U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 10-074	\$1,435,376	1/1/10 - 12/31/12
<b>MOLINE, MARK</b> WENDT, DEAN	<b>Evaluation of glider coatings against biofouling for improved flight performance</b> U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 10-075	\$54,871	2/1/10 - 1/31/11
<b>MOLINE, MARK</b>	<b>Karenia brevis health impacts forecast and information improvement: A regional approach in the Gulf of Mexico</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION VIA MOTE MARINE LABORATORY 10-076	\$208,489	9/1/10 - 8/31/15
<b>MOLINE, MARK</b>	<b>Fee-for-Service Agreement, Marine Sciences</b> VARIOUS SPONSORS 10-077	\$0	10/1/09 - 12/31/10
<b>MOLINE, MARK</b>	<b>Shelf to shoreline observation development - Ocean surface current mapping (SCM) component</b> CA STATE COASTAL CONSERVANCY VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 10-114	\$125,000	7/15/09 - 1/10/10
<b>MOLINE, MARK</b>	<b>Central California high-frequency (HF) radar ocean surface current mapping (SCM) and harmful algal bloom components</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 10-118	\$169,935	7/1/10 - 6/30/11
<b>MOLINE, MARK</b>	<b>Resolving complex flows in a reef/island environment</b> U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 10-156	\$369,274	2/1/10 - 1/31/13
<b>MOLINE, MARK</b>	<b>Real-time characterization of adélie penguin foraging environment using an autonomous underwater vehicle</b> NATIONAL SCIENCE FOUNDATION (EAGER-ARRA) 10-174	\$294,980	10/1/10 - 9/30/12
<b>MOLINE, MARK</b>	<b>Collaborative Research: The propagating response of the inner shelf to wind relaxations in a coastal upwelling system</b> NATIONAL SCIENCE FOUNDATION 10-237	\$498,477	7/1/10 - 6/30/14
<b>MOLINE, MARK</b>	<b>Systematic mapping of teuthivorous whale prey fields</b> U.S. ARMY CORP OF ENGINEERS (SERDP) VIA OREGON STATE UNIVERSITY 10-244	\$563,408	3/1/11 - 1/31/15
<b>MOLINE, MARK</b>	<b>A coastal ocean circulation monitoring program for Northern and Central California (COCMP): HF-Radar for central and northern California</b> CA STATE COASTAL CONSERVANCY VIA SAN FRANCISCO STATE UNIVERSITY 10-254	\$72,803	1/1/10 - 6/30/10
<b>MOLINE, MARK</b> ADAMS, NIKKI	<b>Small vessel access landing for enhancing collaborative marine research</b> NATIONAL SCIENCE FOUNDATION (FSML) 10-258	\$350,000	10/1/10 - 9/30/13

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Biological Sciences</u></b>			
MOLINE, MARK WENDT, DEAN	<b>WSC-Category 2: Collaborative research: Climate and human-induced changes on hydrology in a coastal watershed</b> NATIONAL SCIENCE FOUNDATION (WSC) 10-289	\$2,057,483	1/1/11 - 12/31/15
MOLINE, MARK	<b>Dimensions: Collaborative Research: Using predators to locate and explore biodiversity hotspots in a warming Southern Ocean</b> NATIONAL SCIENCE FOUNDATION 10-332	\$280,824	8/1/11 - 7/31/14
MOLINE, MARK WENDT, DEAN	<b>TYPE 2 - L02170418; Collaborative research: Climate and human-induced changes on hydrology in a coastal watershed</b> NATIONAL SCIENCE FOUNDATION (EASM) 10-337	\$2,247,880	1/1/11 - 12/31/15
STEINMAUS, SCOTT	<b>Climate matching for potential spread of invasiveness plants and development of an early detection/rapid response system in California</b> UNIVERSITY OF CALIFORNIA/CALIFORNIA STATE UNIVERSITY/COMMUNITY COLLEGE COLLABORATIONS VIA UC DAVIS 10-149	\$9,500	1/1/10 - 9/30/10
STEINMAUS, SCOTT	<b>Assessing capeivy (Delairea odorata) management methods for the riparian habitat of Chorro Creek</b> MORRO BAY NATIONAL ESTUARY PROGRAM 10-273	\$1,988	3/29/10 - 12/31/10
TOMANEK, LARS	<b>Collaborative research: Thermal- and oxidative damage to proteins and its consequences for cellular function in marine mussels (genus Mytilus) adapted to different temperatures</b> NATIONAL SCIENCE FOUNDATION 10-173	\$554,548	9/1/10 - 8/31/13
TOMANEK, LARS	<b>Ocean Acidification Category 1 Collaborative Research: RUI: Synergistic effects of temperature and pH variability on physiology, transcriptome and proteome of porcelain crabs</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-288	\$476,894	10/1/10 - 9/30/13
WENDT, DEAN	<b>Field testing of emergent marine coatings for the Center for Nanoscale Science and Engineering at North Dakota State University</b> NORTH DAKOTA STATE UNIVERSITY 10-157	\$36,000	1/1/10 - 12/31/10
WENDT, DEAN	<b>Evaluation of operational effectiveness of SLOSEA</b> DAVID AND LUCILE PACKARD FOUNDATION 10-314	\$50,928	6/1/10 - 5/31/11
<b><u>Chemistry and Biochemistry</u></b>			
BERBER-JIMENEZ, M. DOLORES NEFF, GRACE ANN	<b>CORE: A collaborative to realize excellence in science</b> NATIONAL SCIENCE FOUNDATION (MSP) 10-040	\$7,895,617	2/1/10 - 1/30/15
BERBER-JIMENEZ, M. DOLORES	<b>"Inquiry Core for 3rd, 4th and 5th grade" A Paso Robles JUSD Science Partnership</b> CA DEPT OF EDUCATION VIA PASO ROBLES JOINT UNIFIED SCHOOL DISTRICT 10-062	\$1,213,179	1/1/10 - 9/30/13
BERBER-JIMENEZ, M. DOLORES	<b>Content literacy and lesson study</b> CALIFORNIA POSTSECONDARY EDUCATION COMMISSION VIA HUMBOLDT STATE UNIVERSITY 10-307	\$196,624	10/1/10 - 9/30/14

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Chemistry and Biochemistry</u></b>			
<b>BUSH, SETH</b>	<b>Collaborative Research: Contextual research-empirical research--A national cross-disciplinary research study of SFES (science faculty with education specialties)</b> NATIONAL SCIENCE FOUNDATION (REESE) 10-123	\$92,777	7/1/10 - 6/30/13
<b>COSTANZO, PHILIP</b>	<b>Incorporation of latent cysteine-like residues for the development of novel coupling chemistry</b> RESEARCH CORPORATION (COTTRELL COLLEGE SCIENCE AWARDS) 10-105	\$33,571	6/1/10 - 5/31/12
<b>COSTANZO, PHILIP</b>	<b>RUI: Novel polymer coupling chemistry via latent cysteine-like functionality and thiazolidine chemistry</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-121	\$219,182	7/1/10 - 6/30/13
<b>COSTANZO, PHILIP</b> IMMOOS, CHAD E.	<b>RUI: Preparation of "click" cartridges</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-144	\$260,417	9/1/10 - 8/31/13
<b>FERNANDO, RAYMOND</b> JONES, DANE	<b>Low VOC, stain blocking specialty primer coating</b> CA AIR RESOURCES BOARD 10-199	\$100,000	4/1/10 - 1/31/12
<b>FOGLE, EMILY</b>	<b>Control of reaction specificity in 2-amino-3-ketobutyrate CoA ligase</b> RESEARCH CORPORATION (COTTRELL COLLEGE SCIENCE AWARDS) 10-124	\$34,904	7/1/10 - 6/30/12
<b>IMMOOS, CHAD E.</b>	<b>International Collaborations in Chemistry: Dynamic combinatorial libraries for nucleotides for enzyme-free PCR</b> NATIONAL SCIENCE FOUNDATION AND ENGINEERING AND PHYSICAL SCIENCES RESEARCH COUNCIL 10-175	\$341,168	10/1/10 - 9/30/13
<b>IMMOOS, CHAD E.</b>	<b>Toxic material forensic container</b> U.S. DEPT OF DEFENSE (ARMY-STTR) VIA UTILITY DEVELOPMENT CORP. 10-262	\$41,421	9/1/10 - 2/28/11
<b>JONES, DANE</b>	<b>Fee-for-Service Agreement, Polymers and Coatings Laboratory</b> VARIOUS SPONSORS 10-086	\$0	10/1/09 - 12/31/10
<b>LEHR, CORINNE</b> KACHLAKEV, DAMIAN I.	<b>Pool filtration media study</b> MINERAL VISIONS DIVISION OF FAIRMOUNT MINERALS 10-302	\$12,498	4/30/10 - 11/30/10
<b>MARLIER, JOHN</b> CARROLL, JENNIFER	<b>MRI: Acquisition of a research grade 500MHz NMR spectrometer at Cal Poly, San Luis Obispo</b> NATIONAL SCIENCE FOUNDATION (MRI-R2) - ARRA 10-042	\$690,814	12/31/09 - 12/30/12
<b>NEFF, GRACE ANN</b> BERBER-JIMENEZ, M. DOLORES	<b>Central coast science project 2008-2011</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - CALIFORNIA SCIENCE PROJECT 10-106	\$48,000	7/1/09 - 6/30/11
<b>NEFF, GRACE ANN</b> BERBER-JIMENEZ, M. DOLORES	<b>Central coast science project 2010-2011</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - CALIFORNIA SCIENCE PROJECT 10-274	\$48,000	7/1/10 - 6/30/11
<b>ROBINS, LORI</b>	<b>Discovery of H. pylori aldo-keto reductase inhibitors</b> RESEARCH CORPORATION (COTTRELL COLLEGE SCIENCE AWARDS) 10-072	\$34,984	7/1/10 - 6/30/12
<b>ROBINS, LORI</b>	<b>Discovery of H. Pylori aldo-keto reductase inhibitors</b> CSUPERB: CSU FACULTY-STUDENT COLLABORATIVE RESEARCH SEED GRANT PROGRAM 10-204	\$14,995	5/1/10 - 10/31/11

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Education</u></b>			
GENTILUCCI, JAMES PETERSEN, GEORGE J	<b>Creating Systemic and Sustainable Organizational Capacity for World-Class STEM Education: The Leadership Challenge</b> NATIONAL SCIENCE FOUNDATION 10-158	\$449,648	7/1/10 - 6/30/13
<b><u>Graduate Studies in Education</u></b>			
RUEF, MICHAEL HARRIS, KATHLEEN C.	<b>Increasing the social competence of children with ASD by training in service and pre service teachers, staff, and parents in The FRIEND Program</b> AUTISM SPEAKS 10-334	\$18,992	3/1/11 - 2/29/12
<b><u>Kinesiology</u></b>			
HAGOBIAN, TODD	<b>Effects of dairy availability on brain imaging in obese and normal weight individuals</b> DAIRY MANAGEMENT, INC./NATIONAL DAIRY COUNCIL 10-327	\$99,545	1/1/11 - 12/31/11
HEY, DAVID KIM, JUN-HYUN	<b>Central California's teen obesity prevention program (TOPP)</b> ROBERT WOOD JOHNSON FOUNDATION 10-290	\$50,000	1/15/11 - 1/14/12
PHELAN, SUZANNE TSENG, MARILYN	<b>Reducing breast cancer risk factors in premenopausal women</b> NATIONAL INSTITUTES OF HEALTH 10-047	\$140,000	4/1/10 - 3/31/12
PHELAN, SUZANNE	<b>Keep Fit: A video doctor intervention to prevent excessive pregnancy weight gain</b> NATIONAL INSTITUTES OF HEALTH VIA UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO 10-206	\$88,399	12/1/10 - 11/30/15
PHELAN, SUZANNE TSENG, MARILYN	<b>Reducing breast cancer risk factors in premenopausal women</b> NATIONAL INSTITUTES OF HEALTH 10-256	\$140,000	12/1/10 - 11/30/12
PHELAN, SUZANNE	<b>Nutritionist services for on-line nutrition intervention</b> U.S. DEPT. OF AGRICULTURE VIA CALIFORNIA DEPARTMENT OF PUBLIC HEALTH VIA COUNTY OF SAN LUIS OBISPO WIC 10-287	\$21,000	2/1/10 - 6/30/10
PHELAN, SUZANNE	<b>Technical services for on-line nutrition intervention</b> U.S. DEPT. OF AGRICULTURE VIA CA DEPARTMENT OF PUBLIC HEALTH VIA COUNTY OF SAN LUIS OBISPO WIC 10-304	\$34,152	2/1/10 - 6/30/10
PHELAN, SUZANNE	<b>Preventing excessive gestational weight gain in obese women</b> NATIONAL INSTITUTES OF HEALTH - (R21) 10-342	\$385,000	4/1/11 - 3/31/13
TSENG, MARILYN O'BRYANT, CAMILLE	<b>Isoflavones, Equol Producing Status, and Breast Density in US Chinese Women</b> NATIONAL INSTITUTES OF HEALTH VIA FOX CHASE CANCER CENTER 09-324	\$105,000	6/1/09 - 7/30/10
TSENG, MARILYN O'BRYANT, CAMILLE	<b>Diet and breast density over time in US Chinese women</b> NATIONAL INSTITUTES OF HEALTH VIA FOX CHASE CANCER CENTER 10-026	\$238,267	6/1/09 - 7/30/10
TSENG, MARILYN O'BRYANT, CAMILLE	<b>Food reward genes in relation to BMI and weight gain in US chinese women</b> NATIONAL INSTITUTES OF HEALTH 10-070	\$441,935	7/1/10 - 6/30/12

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Kinesiology</u></b>			
TSENG, MARILYN O'BRYANT, CAMILLE	<b>Vitamin D status and diabetes-related measures in US Chinese women</b> NATIONAL INSTITUTES OF HEALTH - (R21) 10-208	\$367,732	1/1/11 - 12/31/12
TSENG, MARILYN NEILL, DAWN	<b>Optimal foraging in a campus food environment: Scale development and validation</b> NATIONAL INSTITUTES OF HEALTH (R21) 10-331	\$385,000	4/1/11 - 3/31/13
<b><u>Mathematics</u></b>			
AGRONSKY, STEVEN	<b>Mathematics diagnostic testing project (MDTP) 2009-2011</b> UNIVERSITY OF CALIFORNIA 10-163	\$28,836	7/1/09 - 6/30/10
BONINI, VINCENT	<b>Weingarten foliations of asymptotically hyperbolic manifolds and rigidity results for manifolds admitting corners</b> NATIONAL SCIENCE FOUNDATION 10-120	\$88,192	7/1/10 - 6/30/13
GRUNDMEIER, TODD RETSEK, DYLAN	<b>Exploring the mathematics content knowledge retention of undergraduate mathematics majors</b> NATIONAL SCIENCE FOUNDATION (TUES) 10-079	\$198,957	10/1/10 - 9/30/13
RILEY, KATE	<b>Mathematics teacher institutes</b> CA DEPT OF EDUCATION VIA SANTA MARIA-BONITA SCHOOL DISTRICT 10-039	\$1,142,388	1/1/10 - 9/30/13
YOSHINOBU, STAN STANKUS, MARK	<b>Academy of Inquiry Based Learning (AIBL) at Cal Poly San Luis Obispo</b> EDUCATIONAL ADVANCEMENT FOUNDATION 10-268	\$231,433	3/29/10 - 8/31/13
<b><u>Physics</u></b>			
FERNSLER, JONATHAN	<b>Monolayer structure effects on lipid and protein adsorption</b> NATIONAL INSTITUTES OF HEALTH - AREA (ARRA) 10-067	\$332,960	4/1/10 - 3/31/13
FERNSLER, JONATHAN	<b>Monolayer structure effects on lipid and protein adsorption</b> NATIONAL INSTITUTES OF HEALTH - AREA (ARRA) 10-336	\$332,960	9/1/10 - 8/31/13
GUTIERREZ, THOMAS	<b>RUI: Analysis, simulation, and onsite activities contributing to the search for neutrinoless double beta decay in tellurium using the CUORE detector</b> NATIONAL SCIENCE FOUNDATION (RUI) 10-069	\$231,203	4/1/10 - 3/31/13
HOELLWARTH, CHANCE	<b>Teacher enhancement for STEM education reform (TE-STEM) professional development for science teachers</b> U.S. DEPT OF EDUCATION (ARRA) VIA AMERICAN ASSOCIATION OF PHYSICS TEACHERS 10-316	\$2,422,781	9/1/10 - 8/31/14
HOLTZAPPLE, ROBERT	<b>Beam dynamic work at Cornell</b> NATIONAL SCIENCE FOUNDATION VIA CORNELL UNIVERSITY 10-014	\$93,320	9/15/09 - 6/30/10
KELLER, JOHN	<b>Science teacher and researcher (STAR) national pilot proposal</b> NATIONAL SCIENCE FOUNDATION 10-001	\$536,951	9/1/09 - 6/30/11

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Physics</u></b>			
KELLER, JOHN	<b>Contextual research - Large empirical -- Study of the impact of a national pre-service teacher-researcher program on the recruitment, preparation and retention of STEM teachers</b> NATIONAL SCIENCE FOUNDATION (REESE)		
	10-130	\$2,495,350	4/1/10 - 3/31/15
KELLER, JOHN	<b>CSU science teacher and researcher (STAR): Strengthening K-12 science teaching in California</b> S. D. BECHTEL, JR. FOUNDATION		
	10-260	\$265,000	3/1/10 - 2/28/11
KLAY, JENNIFER	<b>RUI: Investigation of heavy quark energy loss in relativistic nucleus-nucleus collisions at the CERN LHC</b> NATIONAL SCIENCE FOUNDATION (RUI)		
	10-065	\$294,505	7/1/10 - 6/30/13
KLAY, JENNIFER	<b>Improving experimental conditions and accuracy of the Neutron Induced Fission Fragment Tracking Experiment (NIFFTE) time projection chamber</b> U.S. DEPT OF ENERGY - NUCLEAR ENERGY UNIVERSITY PROGRAMS		
	10-131	\$1,500,000	7/1/10 - 6/30/13
MOELTER, MATTHEW	<b>Comprehensive study of the mid tertiary paleomagnetic reversal recorded in the Liverpool Range, NSW Australia</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF WISCONSIN AT MADISON		
HOFFMAN, KENNETH	10-148	\$50,236	7/1/10 - 6/30/13
SAUNDERS, KARL	<b>RUI: Analysis of phase transitions, biaxiality and surface effects in chiral smectic liquid crystals</b> NATIONAL SCIENCE FOUNDATION (RUI)		
	10-115	\$147,323	7/1/10 - 6/30/13
SCHWARTZ, PETER	<b>Creating community-university experimental network of low-impact sites: A model for learning-by-doing</b> U.S. ENVIRONMENTAL PROTECTION AGENCY		
LEHR, JANE	10-162	\$109,479	7/1/10 - 6/30/12
SCHWARTZ, PETER	<b>Extending appropriate technology curriculum to field school in Central America</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA)		
	10-308	\$50,000	8/1/10 - 7/31/13

### **Student Affairs**

#### **Student Academic Services**

MARGARITO, CESAR	<b>Student Support Services for Low-Income, First-Generation and Disabled Students (2010-2015)</b> U.S. DEPT OF EDUCATION		
	10-116	\$1,594,924	9/1/10 - 8/31/15

#### **Student Life & Leadership**

CAMPBELL, RENODA	<b>CULTUREFEST 2010</b> CITY OF SAN LUIS OBISPO (PCC)		
	10-216	\$2,500	7/1/10 - 6/30/11
HARKINS, JOY	<b>Cal Poly's PROMISE Fellows Program - Community Partners 2009-10</b> VARIOUS NON-PROFIT ORGANIZATIONS		
LAMB, STEPHAN	10-050	\$130,000	8/4/08 - 8/3/09
HARKINS, JOY	<b>"Change the Status Quo" Student Leadership Initiative</b> SURDNA FOUNDATION VIA CSU CHANCELLOR'S OFFICE		
	10-104	\$5,999	10/26/09 - 6/15/10

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Student Life &amp; Leadership</u></b>			
KAIWI-LENTING, ANDRENE	<b>Cal Poly Open House 2011</b> CITY OF SAN LUIS OBISPO (PCC) 10-215	\$12,000	7/1/10 - 6/30/11
LAMB, STEPHAN	<b>California's PROMISE (Pooling Regional Opportunities Maximizes Intensive Service Enhancement) Fellows</b> AMERICORPS VIA NAPA COUNTY OFFICE OF EDUCATION 10-028	\$147,987	8/10/09 - 8/9/10
LAMB, STEPHAN TORREY, JESSE	<b>Central Coast Volunteer Corps 2010-11</b> AMERICORPS VIA CA VOLUNTEERS 10-125	\$359,386	11/1/10 - 8/30/11
LAMB, STEPHAN TORREY, JESSE	<b>Central Coast Volunteer Corps 2009-10 Community Partners</b> VARIOUS NON-PROFIT ORGANIZATIONS 10-210	\$260,000	1/1/10 - 12/31/10
<b><u>Other</u></b>			
<b><u>Academic Programs</u></b>			
CONN, W. DAVID	<b>Louis Stokes Alliance for Minority Participation Program (LSAMP) Student Scholar Program 2009-10</b> NATIONAL SCIENCE FOUNDATION VIA CSU, SACRAMENTO UNIVERSITY ENTERPRISES, INC. 09-330	\$5,000	6/1/09 - 5/31/10
CONN, W. DAVID	<b>Louis Stokes Alliance for Minority Participation Program (LSAMP) Student Scholar Program 2010-11</b> NATIONAL SCIENCE FOUNDATION VIA CSU, SACRAMENTO UNIVERSITY ENTERPRISES, INC. 10-309	\$25,731	6/1/10 - 8/30/10
<b><u>Center for Teaching &amp; Learning</u></b>			
GRIMES, JOSEPH	<b>Universal design for learning/EnACT~PTD learning community</b> U.S. DEPT OF EDUCATION VIA SONOMA STATE UNIVERSITY 10-147	\$9,708	10/1/09 - 3/31/11
<b><u>Grants Development Office</u></b>			
BIXLER, XENIA	<b>FreshPower - A Virtual Farmers Market</b> U.S. DEPT OF AGRICULTURE (CSREES) - SBIR VIA NET HORSEPOWER, INC. 10-061	\$30,000	5/1/10 - 12/31/10
<b><u>Honors Program</u></b>			
ALPTEKIN, SEMA E.	<b>California's Call to Service Initiative (Allocation Process 2009-2010)</b> CSU CHANCELLOR'S OFFICE COMMUNITY SERVICE LEARNING 10-093	\$45,000	9/1/09 - 6/30/10
ALPTEKIN, SEMA E. VANASUPA, LINDA	<b>Learn by Serving</b> CORPORATION FOR NATIONAL AND COMMUNITY SERVICE (LEARN AND SERVE) 10-250	\$599,459	9/1/10 - 8/31/13
<b><u>Performing Arts Center</u></b>			
REGIER, RON	<b>JumpBrush Dance Festival</b> CITY OF SAN LUIS OBISPO (PCC) 10-248	\$10,000	7/1/10 - 6/30/11

## PROPOSALS SUBMITTED IN FISCAL YEAR 2010

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Performing Arts Center</u></b>			
REGIER, RON	<b>Youth Outreach for the Performing Arts Center</b> UNITED WAY OF SAN LUIS OBISPO COUNTY 10-261	\$5,000	7/1/10 - 6/30/11
REGIER, RON	<b>Youth Outreach for the PAC</b> TARGET FOUNDATION 10-299	\$2,000	10/1/10 - 9/30/11
<b><u>Research &amp; Graduate Programs</u></b>			
OPAVA, SUSAN	<b>NSF Graduate research fellowship (for Matthew Holding)</b> NATIONAL SCIENCE FOUNDATION 10-301	\$40,500	9/1/10 - 8/31/15
<b><u>University Police Department</u></b>			
JORDAN, DONNA WATTON, WILLIAM	<b>AVOID the 14 DUI Campaign - San Luis Obispo County</b> CA OFFICE OF TRAFFIC SAFETY (OTS) VIA ARROYO GRANDE POLICE DEPARTMENT 10-255	\$18,978	10/1/09 - 9/30/12
<b>GRAND TOTALS:</b>		<b>328 Proposals</b>	<b>\$84,299,614</b>