

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Agriculture, Food & Env Sciences</u> | | | |
| <u>Agribusiness</u> | | | |
| HILDEBRAND, JACKY | Marketing Plan Service Project NATIONAL SCIENCE FOUNDATION VIA OKLAHOMA STATE UNIVERSITY 08-230-01 | \$10,000 | 01/01/08 - 06/30/08 |
| HURLEY, SEAN | Analysis and Development of Transportation Models for Moving Agricultural Waste Products to Resource Recovery Facilities CSU - AGRICULTURAL RESEARCH INITIATIVE 08-036-01 | \$31,028 | 07/01/07 - 06/30/09 |
| MCCORKLE, ROBERT | U.S. Peace Corps On-campus Recruiter U.S. PEACE CORPS 07-285-01 | \$15,750 | 10/01/07 - 09/30/08 |
| MCCORKLE, ROBERT | U.S. Peace Corps On-campus Recruiter U.S. PEACE CORPS 08-226-01 | \$15,850 | 10/01/08 - 09/30/09 |
| RICKARD, BRADLEY J. | Export markets and California agriculture: Understanding the implications of trade barriers applied to citrus products CSU - AGRICULTURAL RESEARCH INITIATIVE 08-003-01 | \$20,000 | 07/01/07 - 06/30/09 |
| RICKARD, BRADLEY J. | Export markets and California agriculture: Understanding the implications of trade barriers applied to citrus products U.S. DEPT OF AGRICULTURE (FAS) 08-019-01 | \$4,000 | 07/06/07 - 09/30/08 |
| SCHROETER, CHRISTIANE | Relating Familial Economic, Food, and Fitness Behaviors to Childhood Overweight and Obesity U.S. DEPT OF AGRICULTURE (CSREES) - NRI VIA UNIVERSITY OF WYOMING 08-001-01 | \$6,600 | 05/01/08 - 04/30/09 |
| TILLEY, MARCIA L ZOHNS, MARK | Interdisciplinary Innovation Education to Solve Real Business and Design Problems U.S. DEPT OF AGRICULTURE - CHALLENGE GRANT PROGRAM VIA OKLAHOMA STATE UNIVERSITY 07-182-01 | \$139,500 | 09/01/07 - 08/31/10 |
| <u>Agricultural Education</u> | | | |
| WARNER, WENDY | Career Experiences of Urban Agriculture Teachers CSU - AGRICULTURAL RESEARCH INITIATIVE 08-002-01 | \$5,000 | 07/01/07 - 01/31/09 |
| <u>Animal Science</u> | | | |
| BECKETT, JONATHON HALL, MICHAEL | Cost-Benefit Analysis of National Animal Identification - Economic Case Studies U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE 07-183-02 | (\$6,270) | 12/15/06 - 09/15/07 |
| DELMORE, ROBERT BECKETT, JONATHON | Effect of Zilpaterol hydrochloride Duration of Dose on Performance, Carcass Traits, Beef Tenderness and Sensory Traits in Finishing Holsteins Steers Calves INTERVET, INC. 07-200-01 | \$64,800 | 04/25/07 - 12/31/08 |

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| <u>Animal Science</u> | | | |
| EDWARDS, MARK S | In vitro assessment methods of dry matter and nutrient digestibility of bamboo and other foods by red pandas (<i>Ailurus fulgens</i>) and giant pandas (<i>Ailuropoda melanoleuca</i>) SMITHSONIAN NATIONAL ZOOLOGICAL PARK 07-286-01 | \$34,000 | 04/02/07 - 12/31/08 |
| HALL, MICHAEL MOODY, LYNN | Assessing high-intensity short-duration grazing as a wildlife management tool in coastal California CSU - AGRICULTURAL RESEARCH INITIATIVE 06-036-03 | \$47,778 | 07/01/05 - 03/31/09 |
| HALL, MICHAEL BECKETT, JONATHON | Cal Poly National Animal Identification System (NAIS) Outreach Project U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE 08-028-01 | \$16,500 | 08/25/07 - 12/24/07 |
| HUMPHREY, BROOKE | Regulation of lysine transport and utilization in chickens U.S. DEPT OF AGRICULTURE (CSREES) - NRI 07-127-02 | \$90,000 | 01/01/07 - 06/30/10 |
| HUMPHREY, BROOKE | Optimal Nutrition for Immunocompetence in Chickens CSU - AGRICULTURAL RESEARCH INITIATIVE 08-075-01 | \$63,819 | 07/01/07 - 06/30/10 |
| PETERSON, DANIEL JIMENEZ-FLORES, RAFAEL | Proteomics Approach to the Analysis of Animal Tissue and Milk Fat Globule Membrane Proteins CSU - AGRICULTURAL RESEARCH INITIATIVE 07-171-02 | \$77,742 | 07/01/06 - 06/30/08 |
| PETTEY, ALLEN THULIN, ANDREW | Development of nutrient excretion models in pigs and poultry CSU - AGRICULTURAL RESEARCH INITIATIVE 06-022-03 | \$25,190 | 07/01/05 - 03/31/09 |
| THULIN, ANDREW PLUMMER, WILLIAM | How Sexed-Semen Characteristics Affect Fertilization Rate U.S. DEPT OF EDUCATION (FIPSE) 08-266-01 | \$143,449 | 06/15/08 - 06/14/09 |
| <u>BioResource and Agricultural Engineering</u> | | | |
| BURGOA, BENALI | Accessible Education for Landscape Irrigation in California CA DEPT OF WATER RESOURCES 07-232-01 | \$98,800 | 01/01/08 - 02/15/11 |
| BURT, CHARLES STYLES, STUART | Fee-for-Service Agreement, ITRC VARIOUS SPONSORS 05-034-03 | \$374,674 | 01/01/05 - 06/30/08 |
| BURT, CHARLES ZOHNS, MARK | Canal Seepage Reduction Through In-Situ Soil Compaction CSU - AGRICULTURAL RESEARCH INITIATIVE 07-103-02 | \$60,000 | 07/01/06 - 03/31/09 |
| BURT, CHARLES | Accessible Education for Agricultural Irrigation in California CA DEPT OF WATER RESOURCES 07-231-01 | \$97,300 | 01/01/08 - 03/15/11 |
| BURT, CHARLES | Modesto Irrigation District Comprehensive Water Resources Management Plan - Phase I URS CORPORATION AMERICA 07-243-02 | \$13,700 | 02/13/07 - 02/29/08 |

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|--|---|----------------------|--|
| <u>BioResource and Agricultural Engineering</u> | | | |
| BURT, CHARLES | Modesto Irrigation District Comprehensive Water Resources Management Plan - Phase I URS CORPORATION AMERICA 07-243-02 | \$25,000 | 02/13/07 - 04/30/08 |
| BURT, CHARLES GILL, SAMANTHA | GIS-based Water Routing/Scheduling Through Irrigation District Canal Systems CSU - AGRICULTURAL RESEARCH INITIATIVE 08-034-01 | \$50,000 | 07/01/07 - 06/30/10 |
| BURT, CHARLES | SCADA Master Plan TURLOCK IRRIGATION DISTRICT 08-117-01 08-117-02 | \$30,000 \$30,000 | 09/10/07 - 12/31/08 09/10/07 - 12/31/08 |
| KELLY, SHAUN F FREED, TALI | Implementation of RFID System Using Containers and Tags to Improve Nursery Production Efficiency HORTICULTURE RESEARCH INSTITUTE 07-277-01 | \$23,500 | 01/01/08 - 01/01/10 |
| STYLES, STUART | Rapid Appraisal of Two Irrigation Districts in the San Joaquin Valley U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 04-237-02 | \$25,000 | 09/07/04 - 12/31/08 |
| STYLES, STUART BURT, CHARLES | Agricultural Water Energy Efficiency Program CA ENERGY COMMISSION 07-022-01 | \$1,600,000 | 07/05/07 - 03/31/11 |
| STYLES, STUART | Quantification of Flows for Irrigation and Drainage Management U.S. ENVIRONMENTAL PROTECTION AGENCY 07-117-01 | \$1,182,400 | 07/01/06 - 12/31/10 |
| STYLES, STUART | Technology Transfer to USBR Water Users U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION, MID PACIFIC REGION 07-144-02 | \$49,000 | 02/15/07 - 08/16/09 |
| STYLES, STUART | Construct, Install, and Evaluate 6 Flap Gates for Federal Water Contractors U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 07-214-01 | \$50,000 | 09/30/07 - 12/31/08 |
| STYLES, STUART | Technology Assistance to Areas Serving Disadvantaged Communities - Agriculture CA DEPT OF WATER RESOURCES 07-233-01 | \$194,300 | 01/01/08 - 03/15/11 |
| <u>College of Agriculture</u> | | | |
| SHELTON, MARK | Stationary Agricultural Engine Replacement SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT 07-235-01 07-235-02 | \$6,099 \$7,860 | 02/27/08 - 04/30/10 02/27/08 - 04/30/11 |
| <u>Dairy Products Technology Center</u> | | | |
| FARKYE, NANA | Identification of the causes of deficiencies of flavor development in lowfat Cheddar cheese DAIRY MANAGEMENT, INC. VIA UTAH STATE UNIVERSITY 06-265-03 | \$13,596 | 07/01/06 - 12/31/08 |

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|--|--|----------------------|--|
| <u>Dairy Products Technology Center</u> | | | |
| FARKYE, NANA | Texture improvement of lowfat Cheddar cheese by blending nonfat cheese with full fat cheese, cheese extract/enzyme modified cheese or lubricants using stuffing technologies DAIRY MANAGEMENT, INC. VIA UNIVERSITY OF WISCONSIN-MADISON 07-101-02 | \$24,661 | 08/01/07 - 12/31/08 |
| FARKYE, NANA | Project Wizard Dairy Prototype CLOROX SERVICES COMPANY 07-199-02 | \$5,000 | 02/01/07 - 01/31/08 |
| FARKYE, NANA KHALIL, HANY | Technical Assistance for Cheese Production in Armenia U.S. DEPT OF AGRICULTURE (FAS) VIA CSU FRESNO FOUNDATION 07-221-01 | \$10,593 | 06/01/07 - 09/30/07 |
| FARKYE, NANA | Seasonal Changes in Nitrogen Distribution of Milk CA DAIRY RESEARCH FOUNDATION 08-072-01 | \$48,816 | 10/01/07 - 03/31/09 |
| FARKYE, NANA | Effective Seasonal Changes in Milk Quality on LMPS Mozzarella SAPUTO CHEESE USA INC. 08-073-01 | \$19,710 | 05/01/08 - 10/31/09 |
| FARKYE, NANA TONG, PHILLIP | New Natural Cheeses for the North American Market KRAFT FOODS, INC. 08-099-01 | \$56,996 | 10/01/07 - 09/30/08 |
| FARKYE, NANA | Improving low fat Cheddar cheese quality - Phase II KRAFT FOODS, INC. 08-114-01 | \$55,446 | 10/01/07 - 09/30/08 |
| FARKYE, NANA | Innovative strategies for making low fat cheese texture more like full fat cheese DAIRY MANAGEMENT, INC. VIA UTAH STATE UNIVERSITY 08-129-01 08-129-02 | \$46,805 \$47,300 | 09/01/07 - 03/31/09 09/01/07 - 03/31/09 |
| JIMENEZ-FLORES, RAFAEL TONG, PHILLIP | Whey component interactions in the concentration process of WPC manufacture DAIRY MANAGEMENT, INC. 06-257-03 | \$41,846 | 07/01/06 - 12/31/08 |
| JIMENEZ-FLORES, RAFAEL | Characterization of functional properties and lipid profiles of cheese treated by supercritical CO2 CSU - AGRICULTURAL RESEARCH INITIATIVE 07-133-02 | \$66,789 | 07/01/06 - 06/30/08 |
| JIMENEZ-FLORES, RAFAEL | Proteomic approach to study milk fat globule membrane proteins as biologically active compounds CSU - AGRICULTURAL RESEARCH INITIATIVE (SYSTEMWIDE) 07-136-01 | \$149,391 | 07/01/07 - 06/30/08 |
| JIMENEZ-FLORES, RAFAEL | Survey, detection and identification of bacteria causing ropy milk defect in raw and pasteurized milk DAIRY MANAGEMENT, INC. 08-049-01 08-049-02 | \$55,000 \$38,905 | 09/01/07 - 12/30/09 09/01/07 - 12/30/09 |
| TONG, PHILLIP | Improving Whey Protein Off-Flavor Prevention Via Alternate Process Step Optimization DAIRY MANAGEMENT, INC. 08-098-01 08-098-02 | \$44,858 \$31,900 | 09/01/07 - 12/31/09 09/01/07 - 12/31/09 |

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| <u>Dairy Products Technology Center</u> | | | |
| TONG, PHILLIP | DPTC Operations 2008 - Technical Support for Maintenance and Growth of the California Dairy Industry CA DAIRY RESEARCH FOUNDATION 08-166-01 | \$210,600 | 01/01/08 - 12/31/08 |
| TONG, PHILLIP | Dairy Products Technology Industry Outreach Program - 2008 CA DAIRY RESEARCH FOUNDATION 08-167-01 | \$102,600 | 01/01/08 - 12/31/08 |
| TONG, PHILLIP | Expanding Utilization of California Milk for Cheese and Other Value Added Dairy Products & Ingredients Through Industry Outreach & Technology Transfer CA DAIRY RESEARCH FOUNDATION 08-168-01 | \$146,678 | 01/01/08 - 12/31/08 |
| TONG, PHILLIP | Cal Poly Dairy Ingredients Applications Program 2008 DAIRY MANAGEMENT, INC. 08-196-01 | \$380,050 | 01/01/08 - 12/31/08 |
| <u>Dairy Science</u> | | | |
| BERNING, LEANNE JASTER, EDWIN | Relationship of Copper, Zinc and Selenium Status with Udder Health and Mastitis Incidence in the Cal Poly Holstein Herd VIRGIL LEINARDI TRUST FUND 07-276-01 | \$43,507 | 09/15/07 - 09/14/09 |
| JASTER, EDWIN | Enhanced Early Nutrition for Jersey Dairy Calves CSU - AGRICULTURAL RESEARCH INITIATIVE 06-029-03 | \$2,300 | 07/01/05 - 06/30/08 |
| <u>Food Science & Nutrition</u> | | | |
| BERNER, LOUISE | Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures NATIONAL CATTLEMEN'S BEEF ASSOCIATION 08-084-01 | \$43,409 | 10/01/07 - 09/30/10 |
| BERNER, LOUISE | Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures DAIRY COUNCIL OF CALIFORNIA 08-085-01 | \$44,127 | 10/01/07 - 09/30/10 |
| BERNER, LOUISE | Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures CSU - AGRICULTURAL RESEARCH INITIATIVE 08-087-01 | \$24,903 | 07/01/07 - 06/30/10 |
| DERELIAN, DORIS NEUHAUS, THOMAS | Culinary & Food Science Partnership U.S. DEPT OF AGRICULTURE VIA ALLAN HANCOCK COLLEGE 05-195-02 | (\$17,000) | 09/15/05 - 09/14/08 |

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|--|---|----------|---------------------|
| <u>Food Science & Nutrition</u> | | | |
| GRANT-HOLCOMB, ARLENE | Management and leadership skills in the undergraduate dietetics curriculum: How are competencies taught? AMERICAN DIETETIC ASSOCIATION FOUNDATION 08-143-01 | \$5,000 | 02/01/08 - 12/31/08 |
| GRANT-HOLCOMB, ARLENE | Management and leadership skills in the undergraduate dietetics curriculum: How are competencies taught? FOODSERVICE SYSTEMS MANAGEMENT EDUCATION COUNCIL (FSMEC) 08-145-01 | \$2,000 | 02/08/08 - 02/07/09 |
| HAMPSON, BRIAN | Evaluation of ozone efficacy for sanitation of food-contact and food-processing work surfaces: Mobile ozone generation for on-site application CA DEPT OF FOOD AND AGRICULTURE VIA CA AGRICULTURAL TECHNOLOGY INSTITUTE (CATI) 07-287-01 | \$34,980 | 05/14/07 - 09/30/08 |
| KHALIL, HANY JIMENEZ-FLORES, RAFAEL | Mechanisms of Protection and Intestine Colonization of Probiotic Bacteria Offered by Milk Fat Globule Membrane in Yogurt as Determined by Laser Tweezers CSU - AGRICULTURAL RESEARCH INITIATIVE 06-038-04 | \$25,908 | 07/01/05 - 06/30/08 |
| KHALIL, HANY JIMENEZ-FLORES, RAFAEL | Development of Nutritionally Dense, Low Weight Ready to Eat (RTE) Meal to Enhance Endurance and Physical Performance CSU - AGRICULTURAL RESEARCH INITIATIVE 08-107-01 | \$50,000 | 07/01/07 - 06/30/08 |
| REAVES, SCOTT | Optimal Sport Drink Formula INALCO BIOCHEMICALS, INC. 07-057-01 | \$7,500 | 09/01/07 - 10/31/08 |
| REAVES, SCOTT | Mechanisms of Skeletal Muscle Loss in Aging and its Prevention by Nutrient Intervention CSU - AGRICULTURAL RESEARCH INITIATIVE 08-182-01 | \$6,244 | 07/01/07 - 06/30/09 |
| WATABE-BELZEL, MADOKA GRANT-HOLCOMB, ARLENE | Management and leadership skills in the undergraduate dietetics curriculum: Are key competencies taught effectively? CSU - AGRICULTURAL RESEARCH INITIATIVE 08-172-01 | \$2,727 | 07/01/07 - 06/30/09 |
| <u>Horticulture & Crop Science</u> | | | |
| BROWN, J WYATT HAMPSON, BRIAN | Investigations into the Modified Atmosphere Packaging of Partially-Processed Artichokes CSU - AGRICULTURAL RESEARCH INITIATIVE 06-016-03 | \$7,977 | 07/01/05 - 12/31/08 |
| BROWN, J WYATT VORST, KEITH | Investigations into the Suitability of Sustainable Biopolymer Packaging for Value-Added Produce CA DEPT OF FOOD AND AGRICULTURE VIA CA AGRICULTURAL TECHNOLOGY INSTITUTE (CATI) 07-288-01 | \$76,445 | 05/14/07 - 09/30/08 |
| COSTELLO, MICHAEL J ZOHNS, MARK | Design, Manufacture and Testing of a Multi-fan Sprayer for Orchard and Vineyards CA DEPT OF PESTICIDE REGULATION 08-105-01 | \$70,000 | 06/18/08 - 05/15/10 |

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|---|---|---------------------|--|
| <u>Horticulture & Crop Science</u> | | | |
| DOUGLAS, CYNTHIA KILLHAM, ANASTASIA | Cal Poly Organic Farm 'Growing Gardens' Program CA ASSOCIATION OF NURSERIES AND GARDEN CENTERS 08-063-01 | \$5,325 | 08/01/07 - 08/30/08 |
| GARNER, LAUREN | The Effects of Plant Growth Regulator Spray Regimes and Girdling on Fruit Retention and Yield of Lychee (Litchi chinensis Sonn.) Trees CSU - AGRICULTURAL RESEARCH INITIATIVE 07-102-02 | \$20,000 | 07/01/06 - 03/31/09 |
| HEADRICK, DAVID | Field Management Plan and Biocontrol Rearing System for Citrus Peelminer CSU - AGRICULTURAL RESEARCH INITIATIVE 07-017-02 | \$28,516 | 07/01/06 - 06/30/09 |
| HEADRICK, DAVID | Citrus Leafminer Management Program for Nursery Citrus CA CITRUS NURSERY BOARD 08-062-01 | \$5,000 | 01/01/08 - 12/31/08 |
| HEADRICK, DAVID | Biological Control for Citrus Leafminer in coastal California CSU - AGRICULTURAL RESEARCH INITIATIVE 08-175-01 | \$52,500 | 07/01/07 - 06/30/10 |
| VASSEY, TERRY L. | Evaluation of pesticide efficacy as influenced by adjuvant and nozzle type CSU - AGRICULTURAL RESEARCH INITIATIVE 06-035-03 | \$3,500 | 07/01/05 - 03/31/09 |
| <u>Natural Resource Management</u> | | | |
| DICUS, CHRISTOPHER A. | McIntire-Stennis - Effects of Differing Slash Treatments on Potential Fire Behavior and Soil Erosion in a Selectively Harvested Coast Redwood Forest U.S. DEPT OF AGRICULTURE (CSREES) 06-131-04 06-131-05 | \$10,507 \$3,500 | 10/01/05 - 09/30/08 10/01/05 - 09/30/08 |
| DICUS, CHRISTOPHER A. | Tradeoffs in Fire Hazard vs. Societal Benefits in Wildland-Urban Interface Communities NATIONAL INTERAGENCY FIRE CENTER VIA U. S. DEPT OF AGRICULTURE (FOREST SERVICE) 07-151-01 | \$281,806 | 07/15/07 - 09/30/10 |
| DICUS, CHRISTOPHER A. THOMPSON, RICHARD | Tradeoffs in Community Benefits Versus Fire Risk in Wildland/Urban Interface Forests CSU - AGRICULTURAL RESEARCH INITIATIVE 08-020-01 | \$40,789 | 07/01/07 - 06/30/10 |
| DIETTERICK, BRIAN MASTIN, TOM B. | Accuracy of Derived Watershed and Channel Features in Forested Mountain Conditions Using LIDAR Terrain Data CSU - AGRICULTURAL RESEARCH INITIATIVE 08-048-01 | \$64,931 | 07/01/07 - 06/30/10 |
| DIETTERICK, BRIAN | McIntire-Stennis - Calibration Analysis and Post-treatment Phasing of a Paired and Nested Watershed Study to Evaluate Event-Based Suspended Sediment Export U.S. DEPT OF AGRICULTURE (CSREES) 08-203-01 08-203-02 | \$24,765 \$3,500 | 10/01/07 - 09/30/12 - 09/30/12 |

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| <u>Natural Resource Management</u> | | | |
| GOLDENBERG, MARNI | McIntire-Stennis - Longitudinal Research of Wilderness Participation in Forested Areas Using Means-End Analysis U.S. DEPT OF AGRICULTURE (CSREES) 06-132-03 | \$17,500 | 10/01/05 - 09/30/08 |
| GREENWOOD, JERUSHA | Sustainable Tourism Development Research CSU - AGRICULTURAL RESEARCH INITIATIVE 08-035-01 | \$5,000 | 07/01/07 - 06/30/08 |
| GREENWOOD, JERUSHA | McIntire-Stennis - A Statewide Opinions and Attitudes Survey on Outdoor Recreation in California U.S. DEPT OF AGRICULTURE (CSREES) 08-204-01 | \$17,000 | 10/01/07 - 09/30/08 |
| HENDRICKS, WILLIAM GREENWOOD, JERUSHA | Mt. San Jacinto State Park Visitor Use Impact Study CA DEPT OF PARKS & RECREATION VIA CSU SACRAMENTO UNIVERSITY ENTERPRISES INC. 07-185-01 | \$9,600 | 06/01/07 - 06/20/08 |
| HENDRICKS, WILLIAM GREENWOOD, JERUSHA | California Opinions and Attitudes Survey on Outdoor Recreation CA DEPT OF PARKS & RECREATION 07-187-01 | \$93,300 | 04/01/07 - 03/31/09 |
| HENDRICKS, WILLIAM GREENWOOD, JERUSHA | Mt. San Jacinto State Park Visitor Use Impact Study CSU - AGRICULTURAL RESEARCH INITIATIVE 08-017-01 | \$8,090 | 07/01/07 - 06/30/09 |
| HENDRICKS, WILLIAM GREENWOOD, JERUSHA | California Opinions and Attitudes Survey on Outdoor Recreation CSU - AGRICULTURAL RESEARCH INITIATIVE 08-060-01 | \$75,761 | 07/01/07 - 06/30/09 |
| JACOBS, JEFFREY A. | Youth Environmental Education Programs: Program Improvement Process CA COASTAL COMMISSION - WHALE TAIL GRANTS PROGRAM 08-142-01 | \$9,993 | 04/01/08 - 05/31/10 |
| MARK, WALTER | Spatial Modeling of a Biological Invasion: Landscape-level establishment and spread of Phytophthora ramorum in California CSU - AGRICULTURAL RESEARCH INITIATIVE (SYSTEMWIDE) 05-160-03 | \$130,000 | 07/01/05 - 01/31/09 |
| MARK, WALTER PIIRTO, DOUGLAS | McIntire-Stennis - Potential of Restoration Forestry to Accelerate Attainment of Late Seral Stage Characteristics in Second Growth Redwood Forests U.S. DEPT OF AGRICULTURE (CSREES) 06-129-04 | \$9,100 | 10/01/05 - 09/30/08 |
| MARK, WALTER | Southern Area Sudden Oak Death Monitoring Plan U.S. DEPT OF AGRICULTURE (FOREST SERVICE) 07-204-01 | \$32,556 | 06/01/07 - 12/31/08 |
| MARK, WALTER | Regional Forest Health Specialist CA DEPT OF FORESTRY 07-312-01 | \$348,775 | 12/17/07 - 06/30/10 |

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| <u>Natural Resource Management</u> | | | |
| MARK, WALTER WONG, JEFFREY C. | Monterey pine propagation for California native stand conservation and for the nursery industry CSU - AGRICULTURAL RESEARCH INITIATIVE 08-162-01 | \$64,719 | 07/01/07 - 06/30/10 |
| PIIRTO, DOUGLAS | Student Assistants for California Department of Forestry (2005-2007) CA DEPT OF FORESTRY 05-254-02 | \$191,666 | 07/01/05 - 12/31/10 |
| PIIRTO, DOUGLAS SHELTON, MARK | McIntire-Stennis Forestry Research Program (2006-2007) U.S. DEPT OF AGRICULTURE (CSREES) 07-077-02 | \$362 | 10/01/06 - 09/30/07 |
| PIIRTO, DOUGLAS SHELTON, MARK | McIntire-Stennis Forestry Research Program (2007-2008) U.S. DEPT OF AGRICULTURE (CSREES) 08-202-01 08-202-02 08-202-03 | \$19,128 \$11,502 (\$7,000) | 10/01/07 - 09/30/08 10/01/07 - 09/30/08 10/01/07 - 09/30/08 |
| <u>Architecture & Env Design</u> | | | |
| <u>Architecture</u> | | | |
| POHL, JENS | ICODES Development and Software Maintenance Support - Stage 14 CDM TECHNOLOGIES, INC. 07-261-02 | \$52,000 | 04/28/07 - 10/12/07 |
| POHL, JENS | ICODES Development and Software Maintenance Support - Stage 15 CDM TECHNOLOGIES, INC. 08-109-01 | \$280,000 | 10/13/07 - 02/15/08 |
| POHL, JENS | ICODES Development and Software Maintenance Support – Stage 16 CDM TECHNOLOGIES, INC. 08-212-01 | \$360,000 | 02/16/08 - 10/10/08 |
| <u>City & Regional Planning</u> | | | |
| HOWARD, ZELJKA PAVLOVICH | Nipomo 2040: Planning for Sustainable Growth (Draft Community Plan) SAN LUIS OBISPO COUNTY 08-113-01 | \$10,000 | 09/17/07 - 06/30/08 |
| HOWARD, ZELJKA PAVLOVICH | Climate Action Plan for the City of Benicia BENICIA, CITY OF 08-278-01 | \$24,231 | 09/22/08 - 04/30/09 |
| NUWORSOO, CORNELIUS | Grover Beach Community Plan CITY OF GROVER BEACH 08-116-01 | \$4,999 | 11/16/07 - 03/03/08 |
| SIEMBIEDA, WILLIAM | Energy Planning for Local Policy Makers SIERRA CLUB 07-304-01 | \$4,750 | 07/01/07 - 09/15/07 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|--|--------------------|--|
| <u>City & Regional Planning</u> | | | |
| TOKER, UMUT | Downtown Delano Concept Plan: A Participatory Process CITY OF DELANO 08-180-01 | \$33,471 | 02/01/08 - 05/31/08 |
| TOKER, UMUT | Draft Downtown Delano Urban Design Proposal CITY OF DELANO 08-225-01 | \$15,270 | 04/01/08 - 07/15/08 |
| <u>Construction Management</u> | | | |
| JACKSON, BARBARA | California Center for Construction Education Fee-for-Service Agreement VARIOUS SPONSORS 06-233-02 | \$73,635 | 07/01/07 - 06/30/08 |
| JACKSON, BARBARA | CPF Extension for CCCE Activities CHARLES PANKOW FOUNDATION 08-006-01 | \$50,000 | 07/01/07 - 07/31/08 |
| JACKSON, BARBARA | Homebuilding Education Leadership Program (HELP) NATIONAL HOUSING ENDOWMENT 08-302-01 | \$99,999 | 02/20/08 - 06/30/09 |
| <u>Landscape Architecture</u> | | | |
| BREMER, WALTER | Master Agreement Task #4: Workshop/Meeting Support and Technology Transfer SAN LUIS OBISPO COUNCIL OF GOVERNMENTS 08-096-01 | \$11,304 | 08/04/07 - 12/31/07 |
| BREMER, WALTER | Master Agreement Task #5: Workshop/Meeting Visual Simulations SAN LUIS OBISPO COUNCIL OF GOVERNMENTS 08-126-01 08-126-02 | \$7,882 \$2,765 | 10/01/07 - 01/31/08 10/01/07 - 01/31/08 |
| BREMER, WALTER | Master Agreement Task #6: Opportunity Analysis SAN LUIS OBISPO COUNCIL OF GOVERNMENTS 08-174-01 | \$9,036 | 01/01/08 - 07/15/08 |
| BREMER, WALTER | Master Agreement Task #7: Spring through Fall 2008 Workshop/Meeting Mapping and Modeling SAN LUIS OBISPO COUNCIL OF GOVERNMENTS 08-246-01 | \$17,598 | 02/01/08 - 11/30/08 |
| Business | | | |
| <u>Economics</u> | | | |
| HAMILTON, STEPHEN | Pricing Relationships in the Food Retail Sector U.S. DEPT OF AGRICULTURE VIA UNIVERSITY OF WISCONSIN AT MADISON 06-211-02 | \$18,087 | 09/01/06 - 08/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|---|--|-----------|---------------------|
| <u>Finance</u> | | | |
| RAMEZANI, CYRUS | Financing Claims Paying Capacity for Earthquake: Alternatives to Reinsurance CA DEPT OF INSURANCE 08-134-01 | \$39,966 | 02/01/08 - 10/15/08 |
| <u>Industrial Technology</u> | | | |
| SINGH, JAGJIT | Fee-for-Service Agreement, Cal Pack Lab VARIOUS SPONSORS 04-120-03 | \$2,500 | 01/01/04 - 06/30/08 |
| SINGH, JAGJIT | Development of Commercially Viable Recycled Polyethylene Terephthalate CA DEPT OF CONSERVATION 08-021-01 | \$500,000 | 01/01/08 - 12/31/09 |
| Education | | | |
| <u>Graduate Studies in Education</u> | | | |
| HARRIS, KATHLEEN C. RUEF, MICHAEL | Collaborative High Incidence Personnel Preparation (CHIPP) U.S. DEPT OF EDUCATION 05-236-04 | \$198,812 | 08/01/05 - 07/31/09 |
| <u>Teacher Education</u> | | | |
| CHIN, ELAINE | Excellence in Teacher Preparation Project - Teachers for a New Era (TNE) CARNEGIE CORPORATION OF NEW YORK VIA CSU NORTHRIDGE 08-061-01 | \$12,912 | 09/01/06 - 08/31/07 |
| MAGNUSSON, SHIRLEY LIDDICOAT, SILVIA, MAGNUSSON, SHIRLEY / | Integrating Science, Technology, Engineering and Mathematics into Upper Elementary Education S. D. BECHTEL, JR. FOUNDATION 06-163-02 | \$150,000 | 12/05/05 - 12/31/08 |
| MAGNUSSON, SHIRLEY | Engineering in the Elementary School Curriculum S. D. BECHTEL, JR. FOUNDATION 08-121-01 | \$100,000 | 01/01/08 - 12/31/08 |
| Engineering | | | |
| <u>Aerospace Engineering</u> | | | |
| BIEZAD, DANIEL | Development of Multidisciplinary Flight Control Techniques for the Simulation of Intelligent Unmanned Autonomous Vehicles NASA - AMES RESEARCH CENTER 08-010-01 | \$133,066 | 03/01/08 - 09/14/10 |
| HALL, DAVID W. | Summer 2007: CESTOL Project Research and Development NASA - AMES RESEARCH CENTER (UARC) VIA UC SANTA CRUZ 07-299-01 | \$49,478 | 06/26/07 - 12/15/07 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Aerospace Engineering</u> | | | |
| MARSHALL, DAVID D | The Integrated Modeling and Verification of Hybrid Wing-Body, Low Noise ESTOL Aircraft NASA - LANGLEY RESEARCH CENTER 07-272-01 | \$873,934 | 10/01/07 - 09/30/08 |
| MCDONALD, ROBERT | A multidisciplinary geometry based framework connecting design, optimization, aerodynamics, and structures. NASA - AMES RESEARCH CENTER 07-273-01 | \$345,231 | 10/01/07 - 09/30/10 |
| PUIG-SUARI, JORDI | Nano-Satellite and CubeSat Compatible Deployable Thin Film Material Payloads THE BOEING COMPANY 07-217-01 | \$100,619 | 02/07/08 - 09/30/09 |
| PUIG-SUARI, JORDI | P-POD Manufacturing and Delivery to ATSB Project ASTRONAUTIC TECHNOLOGY SDN BHD (ATSB) 07-275-01 | \$60,000 | 05/01/07 - 06/30/08 |
| PUIG-SUARI, JORDI | CubeSail Mission Launch Segment Support for NASA's Marshall Space Flight Center COMPUTER SCIENCES CORPORATION 07-284-01 | \$81,500 | 08/01/07 - 12/31/08 |
| PUIG-SUARI, JORDI | Astrobletics Program Systems Engineering & Design Support for Small Satellite Division NASA - AMES RESEARCH CENTER 08-038-01 | \$24,998 | 09/10/07 - 06/01/08 |
| PUIG-SUARI, JORDI | CubeSail Mission Launch Segment Support for NASA's Marshall Space Flight Center NASA - MARSHALL SPACE FLIGHT CENTER 08-039-01 | \$130,000 | 09/26/07 - 09/30/08 |
| PUIG-SUARI, JORDI | Procurement of P-POD for Launch of PreSat NASA VIA ASRC AEROSPACE 08-249-01 | \$30,800 | 04/15/08 - 04/18/08 |
| PUIG-SUARI, JORDI | Poly Picosatellite Orbital Deployer NASA - KENNEDY SPACE CENTER 08-284-01 | \$120,000 | 06/06/08 - 05/05/09 |
| <u>Biomedical and General Engineering</u> | | | |
| CLAGUE, DAVID | Survey of Clinical and Environmental BioMEMS Systems EPSON RESEARCH AND DEVELOPMENT, INC. 08-269-01 | \$20,000 | 03/12/08 - 07/14/08 |
| GRIFFIN, LANNY | Biomechanical Comparison of Wire Circlage and Rigid Plate Fixation for Median Sternotomy Closure in Human Cadaver Specimens BIOMET MICROFIXATION 08-040-01 | \$15,287 | 11/01/07 - 10/31/08 |
| HAZELWOOD, SCOTT | Long Term Effects of Bisphosphonate Therapy on Bone NATIONAL INSTITUTES OF HEALTH 08-013-01 | \$184,050 | 08/30/07 - 03/31/09 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|---|---|-----------|---------------------|
| <u>Civil & Environmental Engineering</u> | | | |
| FIEGEL, GREGG DENATALE, JAY | Water Jetting of CIDH Pile Anomalies CA DEPT OF TRANSPORTATION (CALTRANS), DIVISION OF ENGINEERING SERVICES 08-207-01 | \$149,999 | 06/16/08 - 08/15/09 |
| GOEL, RAKESH | Development of Enhanced Interpolation Schemes for Accurate Estimation of Engineering Demand Parameters from Recorded Strong-Motion Data of Buildings CA DEPT OF CONSERVATION 08-223-01 | \$75,236 | 05/01/08 - 12/31/09 |
| HANSON, JAMES | USUCGER Workshop 2008: Research and Education Priorities for the Geotechnical Engineering Community NATIONAL SCIENCE FOUNDATION 08-272-01 | \$35,858 | 04/15/08 - 08/15/08 |
| KACHLAKEV, DAMIAN I. PAL, NIRUPAM | Durability of Plastered Swimming Pools - Phase Four NATIONAL PLASTERERS COUNCIL INC. 06-267-02 | \$40,000 | 08/01/06 - 09/30/07 |
| KACHLAKEV, DAMIAN I. | Durability of Plastered Swimming Pools - Manager Technician NATIONAL PLASTERERS COUNCIL INC. 08-128-01 | \$48,272 | 10/22/07 - 10/24/08 |
| KACHLAKEV, DAMIAN I. LEHR, CORINNE | Surface Deteriorations of Plastered Swimming Pools-Phase Five NATIONAL PLASTERERS COUNCIL INC. 08-150-01 | \$154,475 | 10/15/07 - 10/30/08 |
| LUNDQUIST, TRYGVE NELSON, YARROW M. | Testing Boron Precipitation from Produced Waters at the Arroyo Grande Oil Field PLAINS EXPLORATION & PRODUCTION COMPANY (PXP) 08-123-01 | \$98,644 | 11/01/07 - 10/31/08 |
| LUNDQUIST, TRYGVE | Wastewater Facility Project SUSTAINABLE CONSERVATION, INC. 08-176-01 | \$80,000 | 12/01/07 - 12/31/08 |
| LUNDQUIST, TRYGVE | Dairy Wastewater Treatment Feasibility Study U.S. ENVIRONMENTAL PROTECTION AGENCY 08-279-01 | \$19,936 | 06/01/08 - 08/30/08 |
| MITRA, SUDESHNA | Enhancing Road Traffic Safety in Inland Empire: A GIS Based Methodology to Identify Potential Areas of Improvement CSU SAN BERNARDINO 07-254-01 | \$5,011 | 06/01/07 - 05/31/08 |
| NELSON, YARROW M. KITTS, CHRISTOPHER L | Chevron Master Agreement Task 6: Phytoremediation of Hydrocarbons Using an On-Site Container Study (Phase 3) CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-023-01 | \$29,063 | 09/01/07 - 12/31/08 |
| NELSON, YARROW M. KITTS, CHRISTOPHER L | Chevron Master Agreement Task #7: Hydrocarbon Biodegradation Kinetics with Anaerobic Electron Acceptors in Laboratory Microcosms (Year 3) CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-024-01 | \$10,388 | 09/01/07 - 12/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|---|---|-----------|---------------------|
| <u>Civil & Environmental Engineering</u> | | | |
| NELSON, YARROW M. KITTS, CHRISTOPHER L | Chevron Master Agreement Task #8: Synthesis and Summary of Cumulative EBI Research at GRP CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-025-01 | \$6,436 | 09/01/07 - 12/31/08 |
| THATCHER, TRACY | Assessing Near-Field Exposures from Distributed Residential Wood Smoke Combustion Sources CA AIR RESOURCES BOARD 07-302-01 | \$277,008 | 05/15/08 - 01/14/11 |
| <u>College of Engineering</u> | | | |
| GERFEN, JEFFREY | Mobile TMC Support CA DEPT OF TRANSPORTATION (CALTRANS) VIA UNIVERSITY OF CALIFORNIA, IRVINE 06-144-02 | \$10,000 | 01/01/06 - 06/30/08 |
| GERFEN, JEFFREY | Caltrans TMC Coordination CSU SAN BERNARDINO 07-255-01 | \$4,995 | 06/01/07 - 03/01/08 |
| NOORI, MOHAMMAD BEKEY, GEORGE | REU SITE-SUMMER INTERNSHIPS IN ROBOTICS AND AUTONOMOUS SYSTEMS NATIONAL SCIENCE FOUNDATION 08-077-01 | \$297,081 | 03/01/08 - 02/28/11 |
| WALSH, DANIEL | The Mechanical Behavior of Braze-Welded Galvanized Steel at Elevated Temperatures GENESIS TP INC. 08-276-01 | \$8,044 | 06/01/08 - 07/15/08 |
| <u>Computer Science</u> | | | |
| CLEMENTS, JOHN | Redisigning Introductory Computing: The Design discipline (Participants) NATIONAL SCIENCE FOUNDATION VIA ADELPHIA UNIVERSITY 08-071-01 | \$19,550 | 09/01/06 - 08/31/10 |
| <u>Electrical Engineering</u> | | | |
| DERICKSON, DENNIS | Student Project with JDSU JDS UNIPHASE CORPORATION 08-179-01 | \$7,000 | 01/01/08 - 09/30/08 |
| GERFEN, JEFFREY | TMC Training Simulator Move and Support Agreement CA DEPT OF TRANSPORTATION (CALTRANS) 07-271-01 | \$250,000 | 07/12/07 - 06/30/09 |
| GERFEN, JEFFREY | EDAPTS Packaging Support CALIFORNIA CENTER FOR INNOVATIVE TRANSPORTATION, UC BERKELEY 08-209-01 | \$35,000 | 01/01/08 - 04/30/09 |
| JIN, XIAOMIN | Modeling of Semiconductor Lasers and Photodiodes, and Characterization of Cables for Interferometer Measurements System Applications AGILENT TECHNOLOGIES, INC 07-040-02 | \$6,000 | 09/30/06 - 09/28/07 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Electrical Engineering</u> | | | |
| JIN, XIAOMIN | SIMULATION OF THE 633NM PHOTODETECTOR AGILENT TECHNOLOGIES, INC 08-146-01 | \$9,342 | 12/01/07 - 06/30/08 |
| PILKINGTON, WAYNE | Digital Filtering and Signal Recognition for Electromagnetic Acoustic Transducer Ultrasonic Non-Destructive Evaluation EMAT ULTRASONICS, INC., DBA SONIC SENSORS 08-240-01 | \$5,105 | 03/05/08 - 08/31/08 |
| SAGHRI, JOHN A. | Synthetic Aperture Radar Automatic Target Recognition for Ground Targets RAYTHEON COMPANY 08-029-01 | \$20,000 | 09/01/07 - 08/30/08 |
| <u>Industrial & Manufacturing Engineering</u> | | | |
| FREED, TALI | PG&E Diablo Canyon Warehouse RFID Project PACIFIC GAS & ELECTRIC COMPANY 08-125-01 | \$170,000 | 12/15/07 - 08/31/08 |
| PAN, JIANBIAO | Advance Thermosonic Gold Wirebonding Using High Frequency – 120 KHz Ultrasonic Energy TELEDYNE ELECTRONIC TECHNOLOGIES 08-108-01 | \$10,000 | 11/15/07 - 11/15/08 |
| WALDORF, DANIEL | Competitive Carbide Cutting Tools with Alternative Binders NATIONAL SCIENCE FOUNDATION VIA GENIUS METAL INC. 07-155-01 | \$5,000 | 07/01/07 - 12/31/07 |
| | 07-155-02 | \$19,287 | 07/01/07 - 12/31/07 |
| | 07-155-03 | \$21,486 | 07/01/07 - 06/30/08 |
| <u>Materials Engineering</u> | | | |
| VANASUPA, LINDA | Collaborative Research: Civil and Environmental Engineering Education (CEEE) Transformational Change: Sustainability Curriculum Development, Implementation, Dissemination and Assessment NATIONAL SCIENCE FOUNDATION (CCLI) 07-146-01 | \$91,520 | 10/01/07 - 09/30/07 |
| VANASUPA, LINDA | Educating Engineering Innovators: Planning Visit for Finalizing Collaborative Research in China NATIONAL SCIENCE FOUNDATION (OISE) 08-041-01 | \$19,998 | 12/01/07 - 11/30/08 |
| | 08-041-02 | \$5,280 | 12/01/07 - 11/30/08 |
| <u>Mechanical Engineering</u> | | | |
| BIRDSONG, CHARLES SCHUSTER, PETER | Sensor Integration for Low-Cost Crash Avoidance TRANSPORTATION RESEARCH BOARD TRANSIT COOPERATIVE RESEARCH PROGRAM 06-050-01 | \$75,000 | 01/07/08 - 03/06/09 |
| CARPENTER, THOMAS | Optimal Thrust Vectoring for an Annular Aerospike Nozzle NASA STTR VIA ROLLING HILLS RESEARCH CORP. 06-143-03 | \$34,475 | 06/16/06 - 06/15/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Mechanical Engineering</u> | | | |
| KEAN, ANDREW THORNCROFT, GLEN E. | Portable Electric Spa Stand-by Energy Test Protocol NATIONAL PLASTERERS COUNCIL INC. 08-151-01 | \$53,817 | 11/15/07 - 08/31/08 |
| KLISCH, STEPHEN M. | A Continuum Model of Cartilage Growth Biomechanics NATIONAL INSTITUTES OF HEALTH 06-209-01 | \$210,000 | 09/01/07 - 08/31/10 |
| MURRAY, WILLIAM R | A Reusable, Oxidizer-Cooled, Hybrid Aerospike Rocket Motor for Flight Test NASA STTR VIA ROLLING HILLS RESEARCH CORP. 08-067-01 | \$57,500 | 01/18/08 - 01/16/09 |
| SELF, BRIAN | Collaborative Research: Improving Engineering Students' Learning Strategies through Models and Modeling NATIONAL SCIENCE FOUNDATION (CCLI) 07-147-01 | \$229,945 | 09/01/07 - 08/31/11 |
| SELF, BRIAN WIDMANN, JAMES | Access by Design: Capstone Projects to Promote Adapted Physical Activity NATIONAL SCIENCE FOUNDATION 08-068-01 | \$125,000 | 03/15/08 - 02/28/13 |
| <u>Minority Engineering Program</u> | | | |
| CANTU, DAVID | MESA Schools Program 2007-2008 UNIVERSITY OF CALIFORNIA 07-262-02 | \$21,250 | 07/01/07 - 06/30/08 |
| CANTU, DAVID | MESA Schools Program 2008-2009 UNIVERSITY OF CALIFORNIA 08-118-01 | \$58,750 | 07/01/08 - 06/30/09 |
| CANTU, DAVID | NSF / MESA CSEMS Grant Program NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 08-178-01 | \$31,500 | 08/13/07 - 09/30/10 |
| <u>Liberal Arts</u> | | | |
| <u>Cal Poly Arts</u> | | | |
| WILT, PETER | Music from the Crooked Road: Mountain Music of Virginia CALIFORNIA PRESENTERS 07-194-01 | \$2,500 | 07/01/07 - 06/30/08 |
| WILT, PETER | Cal Poly Arts for Youth: Educational Arts Events for San Luis Obispo Students and Teachers SAN LUIS OBISPO, CITY OF (PCC) 07-246-01 | \$2,000 | 07/01/07 - 06/30/08 |
| WILT, PETER | Lar Lubovitch Dance Company NEW ENGLAND FOUNDATION FOR THE ARTS 08-273-01 | \$2,000 | 06/01/08 - 12/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|------------------|-----------------------------|
| <u>Graphic Communications</u> | | | |
| LEVENSON, HARVEY | Fee-for-Service Agreement, GrCI VARIOUS SPONSORS 05-167-03 | \$78,052 | 01/01/05 - 06/30/08 |
| LEVENSON, HARVEY | Dow Jones Inkjet Head Technology Project DOW JONES 08-054-01 | \$85,000 | 08/15/07 - 08/31/08 |
| LEVENSON, HARVEY | Print Tech/Press Operator II Training Course NEWSPAPER ASSOCIATION OF AMERICA 08-171-01 | \$24,000 | 12/17/07 - 07/30/08 |
| <u>Liberal Studies</u> | | | |
| DUFFY, SUSAN | Group Guitar Lessons for Junior and Senior High School Students Participating in After-School Program CENTRAL COAST WINE CLASSIC 07-140-01 | \$5,000 | 10/01/07 - 09/30/08 |
| <u>Psychology & Child Development</u> | | | |
| ENGLE, PATRICE | Policy and Developmental Potential among Children in the UNICEF CEE.CIS Region UNICEF 08-053-01 | \$39,000 | 11/01/07 - 10/11/08 |
| <u>Science & Mathematics</u> | | | |
| <u>Biological Sciences</u> | | | |
| CANO, RAUL KITTS, CHRISTOPHER L | Fee-for-Service Agreement, EBI VARIOUS SPONSORS 03-041-03 | \$75,210 | 09/01/02 - 06/30/08 |
| ELROD, SUSAN | Literature-Based Scientific Learning in Genetics NATIONAL SCIENCE FOUNDATION 07-252-01 | \$25,044 | 07/01/07 - 12/31/09 |
| ELROD, SUSAN CICHOWSKI, ROBERT | Science Teacher and Researcher (STAR): Strengthening K-12 Science Teaching in California S. D. BECHTEL, JR. FOUNDATION 08-170-01 | \$265,000 | 02/27/08 - 02/26/09 |
| HIMELBLAU, EDWARD | Functional Genomics of Plant Polyploids NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, DAVIS 07-173-01 | \$100,781 | 09/01/06 - 08/31/08 |
| KITTS, CHRISTOPHER L NELSON, YARROW M. | Chevron Master Agreement Task 9: Microbiology Support for Guadalupe Projects CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-026-01 | \$19,441 | 09/01/07 - 12/30/08 |
| KITTS, CHRISTOPHER L | Fecal Source Tracking at Pismo Beach CA STATE WATER RESOURCES CONTROL BOARD VIA CITY OF PISMO BEACH 08-052-01 | \$660,368 | 07/01/07 - 01/01/10 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|-----------------------------------|---|------------------------------------|---|
| <u>Biological Sciences</u> | | | |
| MOLINE, MARK | SCCOOS: Shelf to Shoreline Observatory Development NOAA VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 04-087-03 | \$30,000 | 06/01/04 - 12/31/07 |
| MOLINE, MARK | The Southern California Coastal Current Observing System (Radar Component) CA STATE COASTAL CONSERVANCY, VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 04-229-04 | \$25,645 | 02/01/05 - 01/15/09 |
| MOLINE, MARK | The Southern California Coastal Current Observing System (Transition Component) CA STATE COASTAL CONSERVANCY, VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 04-230-03 | \$52,757 | 02/01/05 - 01/15/09 |
| MOLINE, MARK | Bioluminescence Potential in the Transition Zone to Very Shallow Water U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 06-019-01 | \$127,334 | 10/01/05 - 12/31/08 |
| MOLINE, MARK | Rapid Environmental Assessment Using an Integrated Coastal Ocean Observation and Modeling System U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH VIA RUTGERS UNIVERSITY 06-089-02 | \$74,962 | 08/01/06 - 09/30/09 |
| MOLINE, MARK | Lagrangian studies of the transport, transformation, and biological impact of nutrients and contaminant metals in an estuarine plume. NATIONAL SCIENCE FOUNDATION 07-251-01 | \$48,400 | 07/01/07 - 02/28/09 |
| MOLINE, MARK | Publication of Special Edition of "Limnology and Oceanography" NATIONAL SCIENCE FOUNDATION 07-279-01 | \$80,000 | 07/01/07 - 12/31/08 |
| MOLINE, MARK | Use of UUVs to Evaluate and Improve Model Performance within a Tidally-dominated Bay U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 07-311-01 07-311-02 07-311-03 | \$33,036 (\$1,651) \$639,051 | 08/01/07 - 07/31/08 08/01/07 - 07/31/08 08/01/07 - 12/30/09 |
| MOLINE, MARK | A High-Endurance Autonomous Underwater Vehicle for Observation Networks, Model Assimilation, and Prediction U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH (DURIP) 08-051-01 | \$455,000 | 04/15/08 - 04/14/09 |
| MOLINE, MARK | Demonstration of Direct Measurement of Ocean Surface Currents NASA VIA JET PROPULSION LABORATORY 08-217-01 | \$14,822 | 05/01/08 - 08/01/08 |
| RITTER, MATTHEW | CESU Project #1 - 2006-08: Development and Implementation of Monitoring Plan for Marsh Sandwort (Arenaria paludicola) and Gambel's Watercress (Nasturtium gambelii) Outplanting Efforts in Central Coastal California U.S. FISH AND WILDLIFE SERVICE 08-057-01 | \$11,856 | 11/30/07 - 11/30/10 |
| TOMANEK, LARS | Collaborative Research: Evolutionary and Ecological Physiology of Blue Mussels (genus Mytilus): Gene and Protein Expression and Molecular Evolution in Differently-adapted Congeners NATIONAL SCIENCE FOUNDATION 07-177-01 | \$148,948 | 09/01/07 - 08/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|---|---|------------------------|--|
| <u>Biological Sciences</u> | | | |
| TOMANEK, LARS | Collaborative Research: Evolutionary and Ecological Physiology of Blue Mussels (genus Mytilus): Gene and Protein Expression and Molecular Evolution in Differently-adapted Congeners NATIONAL SCIENCE FOUNDATION 07-177-02 | \$133,543 | 09/01/07 - 08/31/08 |
| TOMANEK, LARS | Research Opportunity Award: Evolutionary and Ecological Physiology of Blue Mussels (genus Mytilus): Gene and Protein Expression and Molecular Evolution in Differently-adapted Congeners NATIONAL SCIENCE FOUNDATION 08-131-01 | \$25,000 | 01/01/08 - 08/31/08 |
| TOMANEK, LARS | Protein Expression Profiles as Biomarkers for Exposure to Persistent Organic Pollutants in Arrow Goby, Clevelandia ios CA SEA GRANT COLLEGE PROGRAM 08-247-01 08-247-02 | \$10,000 \$18,777 | 03/01/08 - 02/28/09 03/01/08 - 02/28/09 |
| WENDT, DEAN | Research & Development of Advanced Non-Toxic Coatings: Laboratory-Based Experiments Using Barnacles and Bryozoans U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 02-196-07 | \$141,001 | 09/01/02 - 11/30/08 |
| WENDT, DEAN | Collaborative Surveys of Nearshore Fishes In and Near Central California MPA's CA SEA GRANT PROGRAM 07-109-01 | \$101,751 | 06/01/07 - 05/31/08 |
| WENDT, DEAN | Task 1: First 10 Test Panels JANSSEN PHARMACEUTICA NV - PRESERVATION AND MATERIAL PROTECTION 08-232-01 | \$10,000 | 03/01/08 - 03/31/09 |
| WENDT, DEAN | A Collaborative Protocol for Monitoring Marine Protected Areas with Commercial Fishermen CAMPBELL FOUNDATION 08-277-01 | \$25,000 | 06/01/08 - 05/31/09 |
| <u>Chemistry and BioChemistry</u> | | | |
| BERBER-JIMENEZ, M. DOLORES BUSH, SETH | California Science Project Teacher Retention Initiative CA POSTSECONDARY EDUCATION COMMISSION VIA REGENTS OF UNIVERSITY OF CALIFORNIA 07-169-01 07-169-02 | \$100,000 \$100,000 | 08/01/06 - 09/30/08 08/01/06 - 05/31/09 |
| CICHOWSKI, ROBERT BUSH, SETH | Aspiring Science Teacher Research Pilot Project U.S. DEPT OF ENERGY VIA LAWRENCE LIVERMORE NATIONAL LABORATORY 07-280-02 | (\$9,834) | 06/25/07 - 09/30/07 |
| COSTANZO, PHILIP | Development of Thermally Responsive Binders Designed for Insensitive Munitions Applications ARMY RESEARCH LABORATORY 08-031-01 | \$104,718 | 01/15/08 - 01/14/11 |
| COSTANZO, PHILIP | Self-Regulating, Self-Pressurizing Tubules for Integrated Circulatory Systems ARMY RESEARCH LABORATORY VIA DREXEL UNIVERSITY 08-173-01 | \$35,063 | 02/22/08 - 02/19/09 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Chemistry and BioChemistry</u> | | | |
| FANTIN, DENNIS | Access Chemistry: An Adaptive Laboratory Chemistry Workshop for Students with Vision Impairments (Year 2) TRUE NORTH FOUNDATION 08-271-01 | \$12,000 | 04/01/08 - 03/31/09 |
| FERNANDO, RAYMOND | NIST Student Internship: Dispersion of Nanoparticles NATIONAL INSTITUTES OF STANDARDS AND TECHNOLOGY (NIST) 06-228-02 | \$36,444 | 09/01/06 - 06/30/07 |
| IMMOOS, CHAD E. | Reagentless Methods for Electrocatalytic DNA Detection U.S. DEPT OF THE ARMY, ARMY RESEARCH OFFICE, YOUNG INVESTIGATORS PROGRAM 05-242-03 | \$49,978 | 12/01/05 - 11/30/08 |
| JONES, DANE | Development of Novel Polymer Precursors CHEMLOGICS GROUP 08-033-01 | \$5,000 | 08/15/07 - 08/15/09 |
| NEFF, GRACE ANN RETSEK, JENNIFER | Central Coast Science Project 2006-2008 UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - CALIFORNIA SCIENCE PROJECT 06-212-01 | \$48,000 | 03/01/07 - 07/31/08 |
| NEFF, GRACE ANN BERBER-JIMENEZ, M. DOLORES | Central Coast Science Project 2007-2008 UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - CALIFORNIA SCIENCE PROJECT 07-230-01 | \$48,000 | 07/01/07 - 06/30/08 |
| NEFF, GRACE ANN BERBER-JIMENEZ, M. DOLORES | Central Coast Science Project 2007/08 Supplemental Funding UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - CALIFORNIA SCIENCE PROJECT 08-037-01 | \$20,000 | 09/01/07 - 09/30/08 |
| <u>Mathematics</u> | | | |
| AGRONSKY, STEVEN | Mathematics Diagnostic Testing Project (MDTP) 2003-2004 UNIVERSITY OF CALIFORNIA 04-118-05 | \$26,937 | 07/01/03 - 09/30/08 |
| GRUNDMEIER, TODD MEDINA, ELSA | Robert Noyce Scholarship Program NATIONAL SCIENCE FOUNDATION 06-203-02 | \$7,960 | 07/01/07 - 06/30/11 |
| RILEY, KATE BERBER-JIMENEZ, M. DOLORES | Central Coast Mathematics and Science Project CA DEPT OF EDUCATION VIA SANTA MARIA-BONITA SCHOOL DISTRICT 07-264-01 | \$287,163 | 07/01/07 - 09/30/08 |
| <u>Physics</u> | | | |
| CHRISTIANSEN, JODI | RUI: Analysis of TeV Gamma-rays and Pulsars Observed by VERITAS NATIONAL SCIENCE FOUNDATION 08-088-01 | \$71,478 | 09/01/08 - 08/31/11 |
| GILLEN, GLEN | Refractive Index and Thermo-Optic Coefficient Measurements of Materials in the Near-Infrared Regime U.S. AIR FORCE VIA GENERAL DYNAMICS INFORMATION TECHNOLOGY, INC. 07-210-02 | \$10,000 | 04/09/07 - 10/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-----------|---------------------|
| <u>Physics</u> | | | |
| GUTIERREZ, THOMAS | RUI: A Search for Neutrinoless Double Beta Decay in Tellurium Using the Cuoricino Detector NATIONAL SCIENCE FOUNDATION 07-061-02 | \$68,664 | 05/15/07 - 04/30/09 |
| KLAY, JENNIFER | RUI: Jet Tomography of Compressed Nuclear Matter with the ALICE Experiment at the LHC NATIONAL SCIENCE FOUNDATION 07-060-02 | \$52,228 | 07/01/07 - 06/30/09 |
| KLAY, JENNIFER | Software Development for Time Projection Chamber U.S. DEPT OF ENERGY VIA GEORGIA INSTITUTE OF TECHNOLOGY 07-293-01 | \$99,945 | 09/30/07 - 09/29/08 |
| <u>Student Affairs</u> | | | |
| <u>Health & Counseling Services</u> | | | |
| BRAGG, MARTIN | Safer California Universities: A Multi-Campus Alcohol Problem Prevention Study NIAAA VIA PREVENTION RESEARCH CENTER, PACIFIC INSTITUTE FOR RESEARCH & EVALUATION 04-071-04 | \$15,000 | 09/15/03 - 09/14/08 |
| <u>Student Academic Services</u> | | | |
| GONZALEZ, LUIS | Cal Poly Upward Bound Project (2007-2012) U.S. DEPT OF EDUCATION 07-068-01 | \$387,523 | 09/01/07 - 08/31/08 |
| MARGARITO, CESAR DIPASQUALE, JEANNINE | Student Support Services Program (2005- 2010) U.S. DEPT OF EDUCATION 05-021-03 | \$275,426 | 09/01/05 - 08/31/08 |
| OLVERA, NELDA | Talent Search Program (2007- 2012) U.S. DEPT OF EDUCATION 06-112-01 | \$226,600 | 09/01/07 - 08/31/12 |
| <u>Student Life & Leadership</u> | | | |
| BRUCE, LISA K. | Cal Poly Open House 2008 SAN LUIS OBISPO, CITY OF (PCC) 07-239-01 | \$3,500 | 07/01/07 - 06/30/08 |
| HARKINS, JOY | SaYES Marketing Campaign STATE EDUCATION AGENCY K-12 SERVICE-LEARNING NETWORK (SEANET) - ACADEMY FOR EDUCATIONAL DEVELOPMENT 07-259-01 | \$4,000 | 05/01/07 - 11/30/07 |
| LAMB, STEPHAN HARKINS, JOY | Central Coast Volunteer Corps CA SERVICE CORPS 07-066-01 | \$385,460 | 06/15/07 - 12/31/08 |
| LAMB, STEPHAN | Central Coast Volunteer Corps Partners 2007 VARIOUS NON-PROFIT ORGANIZATIONS 07-219-03 | \$9,000 | 01/01/07 - 12/31/07 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|--|-----------|---------------------|
| <u>Student Life & Leadership</u> | | | |
| LAMB, STEPHAN | Central Coast Volunteer Corps Partners 2007 VARIOUS NON-PROFIT ORGANIZATIONS 07-219-04 | \$65,881 | 01/01/07 - 12/31/07 |
| LAMB, STEPHAN | California's PROMISE (Pooling Regional Opportunities Maximizes Intensive Service Enhancement) AMERICORPS VIA NAPA COUNTY OFFICE OF EDUCATION 08-042-01 | \$67,338 | 08/06/07 - 12/31/08 |
| | 08-042-02 | \$22,446 | 08/06/07 - 12/31/08 |
| LAMB, STEPHAN | Community Project: Night Out with Your Neighbors SAN LUIS OBISPO COUNTY 08-059-01 | \$1,000 | 09/24/07 - 09/23/08 |
| LAMB, STEPHAN | Cal Poly's PROMISE Fellows Program VARIOUS NON-PROFIT ORGANIZATIONS 08-070-01 | \$40,000 | 08/06/07 - 12/31/08 |
| | 08-070-02 | \$20,000 | 08/06/07 - 12/31/08 |
| LAMB, STEPHAN TIERNEY, AMBER | Central Coast Volunteer Corps 2007-08 VARIOUS NON-PROFIT ORGANIZATIONS 08-227-01 | \$65,000 | 06/15/07 - 12/31/08 |
| | 08-227-02 | \$12,500 | 06/15/07 - 12/31/08 |
| | 08-227-03 | \$20,000 | 06/15/07 - 12/31/08 |
| | 08-227-04 | \$17,500 | 06/15/07 - 12/31/08 |
| <u>Other</u> | | | |
| <u>Center for Teaching & Learning</u> | | | |
| GRIMES, JOSEPH | The MERLOT Faculty ELIXR Project: Faculty Development Centers and Online Repositories Collaborating to Share Exemplary Practices U.S. DEPT OF EDUCATION (FIPSE) VIA CSU CHANCELLOR'S OFFICE 08-086-01 | \$3,000 | 06/01/07 - 06/01/08 |
| <u>Facility Services</u> | | | |
| FRENCH, BRIAN | Gilardi Road Bridge Replacement CA DEPT OF TRANSPORTATION (CALTRANS) 07-134-01 | \$100,000 | 03/01/07 - 06/30/09 |
| <u>Honors Program</u> | | | |
| ALPTEKIN, SEMA E. | CACC Carnegie Foundation Fellows Program CA CAMPUS COMPACT 07-248-01 | \$4,000 | 07/01/07 - 05/30/09 |
| ALPTEKIN, SEMA E. | Service-Learning Curriculum and Infrastructure Development Initiative (Allocation Process 2007-2008) CSU CHANCELLOR'S OFFICE COMMUNITY SERVICE LEARNING 08-106-01 | \$48,000 | 09/01/07 - 12/31/08 |

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2008

| PI CO-PI | TITLE AGENCY AWARD # | AMOUNT | PROJECT DATES |
|--|---|-------------------|---------------------|
| <u>Performing Arts Center</u> | | | |
| REGIER, RON | Pedals and Pipes SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION 07-240-01 | \$3,200 | 07/01/07 - 06/30/08 |
| REGIER, RON | Pipe Organ Student Matinees: Pulling Out All the Stops SAN LUIS OBISPO, CITY OF (PCC) 07-245-01 | \$1,500 | 07/01/07 - 06/30/08 |
| <u>Research & Graduate Programs</u> | | | |
| OPAVA, SUSAN | California Central Coast Research Partnership: Building Relationships, Partnerships and Paradigms for University-Industry Research Collaboration U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 05-235-03 | (\$46) | 06/15/05 - 12/31/06 |
| OPAVA, SUSAN | The California Central Coast Research Partnership: Building Relationships, Partnerships and Paradigms for University-Industry Research Collaboration U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 08-014-01 | \$3,256,000 | 09/30/07 - 09/29/08 |
| <u>University Police Department</u> | | | |
| JORDAN, DONNA | Bulletproof Vest Partnership 2004-05 U.S. DEPT OF JUSTICE, OFFICE OF JUSTICE PROGRAMS 04-135-03 | (\$116) | 07/01/04 - 09/30/08 |
| JORDAN, DONNA WATTON, WILLIAM | AVOID the 14 DUI Campaign - San Luis Obispo County CA OFFICE OF TRAFFIC SAFETY (OTS) VIA PASO ROBLES POLICE DEPARTMENT 07-124-02 | \$5,584 | 10/01/06 - 01/31/10 |
| JORDAN, DONNA WATTON, WILLIAM | CLICK IT OR TICKET Seat Belt Enforcement Program 2008 CA OFFICE OF TRAFFIC SAFETY (OTS) 08-120-01 | \$1,974 | 10/01/07 - 07/31/08 |
| GRAND TOTALS: | | 249 Awards | \$25,345,699 |