

# PROPOSALS SUBMITTED IN AUGUST, 2007

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

### Agribusiness

HURLEY, SEAN	<b>Analysis and Development of Transportation Models for Moving Agricultural Waste Products to Resource Recovery Facilities</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 08-036	\$77,071	7/1/07 - 6/30/09
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### Agricultural Education

WARNER, WENDY	<b>Career Experiences of Urban Agriculture Teachers</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 08-002	\$5,000	7/1/07 - 6/30/08
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### Animal Science

EDWARDS, MARK S	<b>In vitro assessment methods of dry matter and nutrient digestibility of bamboo and other foods by red pandas (Ailurus fulgens) and giant pandas (Ailuropoda melanoleuca)</b> SMITHSONIAN NATIONAL ZOOLOGICAL PARK 07-286	\$30,000	4/2/07 - 12/31/08
HALL, MICHAEL BECKETT, JONATHON	<b>Cal Poly National Animal Identification System (NAIS) Outreach Project</b> U.S. DEPT OF AGRICULTURE VIA CA DEPT OF FOOD AND AGRICULTURE 08-028	\$16,500	8/25/07 - 12/24/07

### BioResource and Agricultural Engineering

BURT, CHARLES GILL, SAMANTHA	<b>GIS-based Water Routing/Scheduling Through Irrigation District Canal Systems</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 08-034	\$125,000	7/1/07 - 6/30/10
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### Dairy Products Technology Center

JIMENEZ-FLORES, RAFAEL	<b>Survey, detection and identification of bacteria causing ropy milk defect in raw and pasteurized milk</b> DAIRY MANAGEMENT, INC. 08-049	\$133,505	9/1/07 - 9/30/09
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### Natural Resource Management

GREENWOOD, JERUSHA	<b>Sustainable Tourism Development Research</b> CSU - AGRICULTURAL RESEARCH INITIATIVE 08-035	\$5,000	7/1/07 - 6/30/08
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## Engineering

### Aerospace Engineering

DETURRIS, DIANNE MARSHALL, DAVID D	<b>A Revolutionary Performance Tool for RBCC Analysis via Computational and Experimental Investigations</b> NASA 08-045	\$585,509	1/1/08 - 12/31/10
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<b><u>Civil &amp; Environmental Engineering</u></b>			
NELSON, YARROW M. KITTS, CHRISTOPHER L	<b>Chevron Master Agreement Task 6: Phytoremediation of Hydrocarbons Using an On-Site Container Study (Phase 3)</b> CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-023	\$29,063	9/1/07 - 12/31/08
NELSON, YARROW M. KITTS, CHRISTOPHER L	<b>Chevron Master Agreement Task #7: Hydrocarbon Biodegradation Kinetics with Anaerobic Electron Acceptors in Laboratory Microcosms (Year 3)</b> CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-024	\$10,388	9/1/07 - 12/31/08
NELSON, YARROW M. KITTS, CHRISTOPHER L	<b>Chevron Master Agreement Task #8: Synthesis and Summary of Cumulative EBI Research at GRP</b> CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-025	\$6,436	9/1/07 - 12/31/08
<b><u>Electrical Engineering</u></b>			
HARRIS, JAMES	<b>Cal Poly Sustainable Power for Electrical Resources (SuPER) Project</b> U.S. DEPT OF ENERGY 08-056	\$1,486,763	1/1/08 - 12/31/10
SAGHRI, JOHN A.	<b>Synthetic Aperture Radar Automatic Target Recognition for Ground Targets</b> RAYTHEON COMPANY 08-029	\$20,000	9/1/07 - 8/30/08
<b><u>Materials Engineering</u></b>			
VANASUPA, LINDA	<b>Educating Engineering Innovators: Planning Visit for Finalizing Collaborative Research in China</b> NATIONAL SCIENCE FOUNDATION 08-041	\$19,998	1/1/08 - 12/31/08
<b>Liberal Arts</b>			
<b><u>Graphic Communications</u></b>			
LEVENSON, HARVEY	<b>Dow Jones Inkjet Head Technology Project</b> DOW JONES 08-054	\$85,000	8/15/07 - 2/29/08
<b><u>Liberal Studies</u></b>			
DUFFY, SUSAN	<b>Arts Education for Low-Income Children</b> STAPLES FOUNDATION FOR LEARNING 08-027	\$19,941	1/1/08 - 12/31/08
<b><u>Social Sciences</u></b>			
JONES, TERRY BOHR, GREGORY	<b>Foragers, Droughts and Aridity: The Next Generation</b> NATIONAL SCIENCE FOUNDATION 07-316	\$249,833	7/1/08 - 6/30/10

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## Science & Mathematics

### Biological Sciences

KITTS, CHRISTOPHER L NELSON, YARROW M.	<b>Chevron Master Agreement Task 9: Microbiology Support for Guadalupe Projects</b> CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY 08-026	\$19,441	9/1/07 - 12/30/08
MOLINE, MARK	<b>A High-Endurance Autonomous Underwater Vehicle for Observation Networks, Model Assimilation, and Prediction</b> U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH (DURIP) 08-051	\$455,000	4/15/08 - 4/14/09
RITTER, MATTHEW	<b>Cal Poly Horticultural Flora Project</b> STANLEY SMITH HORTICULTURAL TRUST 08-055	\$18,817	1/1/08 - 12/31/08
RITTER, MATTHEW	<b>CESU Project #1: Development and Implementation of Monitoring Plan for Marsh Sandwort (<i>Arenaria paludicola</i>) and Gambel's Watercress (<i>Nasturtium gambelii</i>) Outplanting Efforts in Central Coastal California</b> U. S. FISH AND WILDLIFE SERVICE 08-057	\$11,147	10/1/07 - 9/30/09

### Chemistry and BioChemistry

COSTANZO, PHILIP	<b>Development of Thermally Responsive Binders Designed for Insensitive Munitions Applications</b> ARMY RESEARCH LABORATORY 08-031	\$277,624	9/1/07 - 8/31/10
JONES, DANE	<b>Development of Novel Polymer Precursors</b> CHEMLOGICS GROUP 08-033	\$5,000	8/15/07 - 8/15/08

### Mathematics

CHOBOTER, PAUL	<b>RUI: The Three-Dimensional Coastal Ocean Circulation Induced by Alongshore Variations in Upwelling Winds and Topography</b> NATIONAL SCIENCE FOUNDATION 08-050	\$206,020	1/1/08 - 12/31/10
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## Student Affairs

### Student Life & Leadership

HARKINS, JOY LAMB, STEPHAN	<b>California's PROMISE (Pooling Regional Opportunities Maximizes Intensive Service Enhancement)</b> AMERICORPS VIA NAPA COUNTY OFFICE OF EDUCATION 08-042	\$56,115	8/6/07 - 12/31/08
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## Other

### Continuing Education

PARKS, DENNIS TURNER, DAN	<b>California Homeland Security and Disaster Management Education and Training Institute</b> CA OFFICE OF HOMELAND SECURITY, OFFICE OF EMERGENCY SERVICES VIA CSU CHANCELLOR'S OFFICE 08-018	\$593,047	9/18/07 - 4/5/10
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<b><u>Research &amp; Graduate Programs</u></b>			
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	\$3,256,000	9/30/07 - 9/29/08
<b>GRAND TOTALS:</b>		<b>27 Proposals</b>	<b>\$7,803,218</b>

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