

**PROPOSALS AWARDED
January 2008**

Submitted - January 2008																
PI	Shared Credit	Department	Center	Proposal Title	Source	Type	Agency	Total	Direct	Indirect	Proposal Number	Project Number	Version ID	Department Share	Center Share	Sub.
								\$ -	\$ -	\$ -				\$ -	\$ -	
Abdel-Salam, Mohamed	100.00%	Geological Science & Engineering		3-D Digital Replica of Ramses II Temple, Egypt	Federal	Research	National Science Foundation	\$ 33,573.00	\$ 30,290.00	\$ 3,283.00	0018214	00019823	V1	\$ 33,573.00		no
Abdel-Salam, Mohamed	100.00%	Geological Science & Engineering		Magnetic Studies of Overlapping Rifts Systems: Insights from Afar, Ethiopia	Private	Research	Global Exploration Concepts	\$ 253,016.00	\$ 198,549.00	\$ 54,467.00	0018524	00020158	V1	\$ 253,016.00		no
Agarwal, Sanjeev	100.00%	Electrical & Computer Eng	ISC	Airborne Mine & Minefield Detection Support for CY 2008	Private	Research	EOIR Measurements Program	\$ 65,047.00	\$ 43,892.00	\$ 21,155.00	0014918	00016071	C1	\$ 65,047.00	\$ 65,047.00	no
Awuah-Offei, Kwame	100.00%	Mining & Nuclear Eng		Environmental Life Cycle Assessment Framework for Mining	School	Research	Oak Ridge Associated University	\$ 5,000.00	\$ 5,000.00	\$ -	0018400	00020026	V1	\$ 5,000.00		no
Bai, Baojun	100.00%	Geological Science & Engineering		Revitalization of abandoned fields through advanced integrated reservoir characterization, simulation and lab research of chemicals by a small producer consortia	Private	Research	Ample Resources Inc.	\$ 76,326.00	\$ 50,715.00	\$ 25,611.00	0018078	00019667	V1	\$ 76,326.00		no
Bai, Baojun	100.00%	Geological Science & Engineering		Preformed particle gel for conformance control	Federal	Research	Dept. of Energy	\$ 532,166.00	\$ 412,320.00	\$ 119,846.00	0018079	00019668	V1	\$ 532,166.00		yes
Bai, Baojun	40.00%	Geological Science & Engineering		Multiple fractures creation in a single hydraulic-fracturing treatment for shale and tight gas	Federal	Research	Dept. of Agriculture	\$ 809,075.00	\$ 537,592.00	\$ 271,483.00	0017897	00019459	V1	\$ 323,630.00		no
Nygaard, Runar	30.00%	Geological Science & Engineering		Multiple fractures creation in a single hydraulic-fracturing treatment for shale and tight gas	Federal	Research	Dept. of Agriculture				0017897	00019459	V1	\$ 242,722.50		no
Whitworth, Thomas	30.00%	Geological Science & Engineering		Multiple fractures creation in a single hydraulic-fracturing treatment for shale and tight gas	Federal	Research	Dept. of Agriculture				0017897	00019459	V1	\$ 242,722.50		no
Bham, Ghulam	100.00%	CARe		Evaluation of Work Zone Speed Limits	Private	Research	Mid-American Transportation Center	\$ 15,000.00	\$ 9,967.00	\$ 5,033.00	0018429	00020056	V1	\$ 15,000.00		no
Bham, Ghulam	100.00%	CARe		Development of Work Zone Capacity Guidelines	Private	Research	Mid-American Transportation Center	\$ 15,000.00	\$ 9,967.00	\$ 5,033.00	0018433	00020060	V1	\$ 15,000.00		no
Brow, Richard	80.00%	Materials Science & Eng	MRC	Optimizing the thermal properties and chemical stability of viscous sealing glasses for solid oxide fuel cells	Federal	Research	Dept. of Energy	\$ 250,548.00	\$ 171,042.00	\$ 79,506.00	0018270	00019883	V1	\$ 200,438.40	\$ 200,438.40	no
Reis, Signo Tadeu Dos	20.00%	Materials Science & Eng	MRC	Optimizing the thermal properties and chemical stability of viscous sealing glasses for solid oxide fuel cells	Federal	Research	Dept. of Energy				0018270	00019883	V1	\$ 50,109.60	\$ 50,109.60	no
Chen, Genda	67.00%	CARe	CIES	Pilot study on rugged fiber optic brillouin sensors for large strain measurements to ensure the safety of transportation structures	School	Research	Univ of NE-Lincoln	\$ 85,859.00	\$ 57,049.00	\$ 28,810.00	0018358	00019981	V1	\$ 57,525.53	\$ 57,525.53	no
Xiao, Hai	33.00%	Electrical & Computer Eng	CIES	Pilot study on rugged fiber optic brillouin sensors for large strain measurements to ensure the safety of transportation structures	School	Research	Univ of NE-Lincoln				0018358	00019981	V1	\$ 28,333.47	\$ 28,333.47	no
Chusuei, Charles	50.00%	Chemistry	ERC	Role of Selenocystine in Lead Toxicity	Federal	Research	National Institute of Environmental Health Services	\$225,750.00	\$150,000.00	75,750.00	0015082	00016243	V2	\$ 112,875.00	\$ 112,875.00	no
Ercal, Nuran	50.00%	Chemistry	ERC	Role of Selenocystine in Lead Toxicity	Federal	Research	National Institute of Environmental Health Services				0015082	00016243	V2	\$ 112,875.00	\$ 112,875.00	no
Collier, Harvest	40.00%	Chemistry		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation	\$ 650,714.00	\$ 451,792.00	\$ 198,922.00	0018192	00019798	V1	\$ 260,285.60		no
Cernusca, Dan	30.00%	Chemistry		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$ 195,214.20		no
Woelk, Klaus	5.00%	Chemistry		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$ 32,535.70		no
Bieniek, Ronald	5.00%	Physics		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$ 32,535.70		no
Pringle, Oran Allan	5.00%	Physics		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$ 32,535.70		no
Bohner, Martin	5.00%	Mathematics & Statistics		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$ 32,535.70		no

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Akin, Elvan	5.00%	Mathematics & Statistics		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$	32,535.70		no					
Bryant, Richard R.	5.00%	Economics & Finance		Enhancing the effectiveness of personal response systems on learning in STEM classrooms	Federal	Research	National Science Foundation				0018192	00019798	V1	\$	32,535.70		no					
Cudney, Elizabeth	100.00%	Eng Management		Applying lean techniques in design engineering for an aerospace organization	Private	Research	Institution of Endutrial Engineers	\$	16,327.00	\$	10,849.00	\$	5,478.00		0017950	00019514	V1	\$	16,327.00		no	
Cudney, Elizabeth	100.00%	Eng Management		Forecasting warranty in early product development	School	Research	Oak Ridge Associated University	\$	5,000.00	\$	5,000.00	\$	-		0018486	00020116	V1	\$	5,000.00		no	
Drewniak, James	20.00%	Electrical & Computer Eng	MRC	EMC Consortium Membership	Private	Research	Texas Instruments	\$	25,000.00	\$	21,166.67	\$	3,833.33		0001361	00001584	C3	\$	5,000.00	\$	5,000.00	no
Beetner, Daryl	20.00%	Electrical & Computer Eng		EMC Consortium Membership	Private	Research	Texas Instruments								0001361	00001584	C3	\$	5,000.00		no	
Dubroff, Richard	20.00%	Electrical & Computer Eng		EMC Consortium Membership	Private	Research	Texas Instruments								0001361	00001584	C3	\$	5,000.00		no	
Pommerenke	20.00%	Electrical & Computer Eng		EMC Consortium Membership	Private	Research	Texas Instruments								0001361	00001584	C3	\$	5,000.00		no	
Fan, Jun	20.00%	Electrical & Computer Eng		EMC Consortium Membership	Private	Research	Texas Instruments								0001361	00001584	C3	\$	5,000.00		no	
Elmore, Curt	100.00%	Geological Science & Engineering		Water Supply Investigation at Leoma, Guatemala Supplement	Private	Research	Samaritan Hands Ministries	\$	6,000.00	\$	6,000.00	\$	-		0000882	00000055	S9	\$	6,000.00		no	
Ferdowsi, Mehdi	100.00%	Electrical & Computer Eng		Situation awareness for power electronic systems: definition, promotion, and utilization	Federal	Research	Office of Naval Research	\$	353,089.00	\$	249,822.00	\$	103,267.00		0018228	00019838	V1	\$	353,089.00		no	
Ferdowsi, Mehdi	35.00%	Electrical & Computer Eng		MRI: Development of a plug-and-play energy labaratory for research and education	Federal	Research	National Science Foundation	\$	586,862.00	\$	476,277.00	\$	110,585.00		0018417	00020044	V1	\$	205,401.70		no	
Crow, Mariesa	20.00%	Electrical & Computer Eng	ERDC	MRI: Development of a plug-and-play energy labaratory for research and education	Federal	Research	National Science Foundation								0018417	00020044	V1	\$	117,372.40	\$	117,372.40	no
Zheng, Rosa	25.00%	Electrical & Computer Eng		MRI: Development of a plug-and-play energy labaratory for research and education	Federal	Research	National Science Foundation								0018417	00020044	V1	\$	146,715.50		no	
McMillin, Bruce	20.00%	Computer Science		MRI: Development of a plug-and-play energy labaratory for research and education	Federal	Research	National Science Foundation								0018417	00020044	V1	\$	117,372.40		no	
Frank, Ronald	60.00%	Biological Sciences		TRMS: Gene family identification in Glycine max (soybean)	Federal	Research	National Science Foundation	\$	491,423.00	\$	326,527.00	\$	164,896.00		0018357	00019980	V1	\$	294,853.80		no	
Ercal, Fikret	40.00%	Computer Science		TRMS: Gene family identification in Glycine max (soybean)	Federal	Research	National Science Foundation								0018357	00019980	V1	\$	196,569.20		no	
Hofer, Jeanie	100.00%	International Affairs		Saudi Students Perception of American Culture in a Post 9/11 Environment and the Identification of Issues Servingas	Private	Research	Sultan Bin Abdulaziz Al-Saud Foundation	\$	50,000.00	\$	50,000.00	\$	-		0018050	00019635	V1	\$	50,000.00	\$	-	no
Leventis, Nicholas	50.00%	Chemistry		CDI-Type II: High-Fidelity Cellulosic Bone Implant through computationally Optimized Strong Aerogels	School	Research	OK State University	\$	207,498.87	\$	137,873.00	\$	69,625.87		0017986	00019557	V1	\$	103,749.44		no	
Sotiriou Leventis, Charikli	50.00%	Chemistry		CDI-Type II: High-Fidelity Cellulosic Bone Implant through computationally Optimized Strong Aerogels	School	Research	Ok State University								0017986	00019557	V1	\$	103,749.44		no	
Liou, Frank	100.00%	Mech & Aero Eng	ISC	STTR: A multi-axis planning system (MAPS) for direct material deposition processes	Federal	Research	National Science Foundation	\$	50,000.00	\$	39,934.00	\$	10,066.00		0018491	00020121	V1	\$	50,000.00		no	
Mishra, Rajiv	100.00%	Materials Science & Eng	ISC	GM Friction Stir Proccessing Center Membership Fee	Private	Research	General Motors Corp.	\$	65,000.00	\$	65,000.00	\$	-		0010647	00011169	C3	\$	65,000.00	\$	65,000.00	no
Mishra, Rajiv	100.00%	Materials Science & Eng	ISC	Navy Phase II STTR Transition Plan-Program #N6-T038 – Friction Stir Processing for Superplastic Forming	Private	Research	Friction Stir Link, Inc.	\$	143,042.00	\$	95,045.00	\$	47,997.00		0018344	00019965	V1	\$	143,042.00	\$	143,042.00	no
Peaslee, Kent	100.00%	Materials Science & Eng	ISC	Effects of scrap analysis on melting operations Phase I charge value optimization	Private	Research	Gamma Tech LLC	\$	16,105.00	\$	10,701.00	\$	5,404.00		0018381	00020004	V1	\$	16,105.00	\$	16,105.00	no
Pommerenke, David	20.00%	Electrical & Computer Eng		EMC Consortium	Private	Research	Robert Bosch BMVH	\$	63,000.00	\$	53,333.00	\$	9,667.00		0018306	00019919	V1	\$	12,600.00		no	
Drewniak, James	20.00%	Electrical & Computer Eng	MRC	EMC Consortium	Private	Research	Robert Bosch BMVH								0018306	00019919	V1	\$	12,600.00	\$	12,600.00	no
Dubroff, Richard	20.00%	Electrical & Computer Eng		EMC Consortium	Private	Research	Robert Bosch BMVH								0018306	00019919	V1	\$	12,600.00		no	
Beetner, Daryl	20.00%	Electrical & Computer Eng		EMC Consortium	Private	Research	Robert Bosch BMVH								0018306	00019919	V1	\$	12,600.00		no	

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Fan, Jun	20.00%	Electrical & Computer Eng		EMC Consortium	Private	Research	Robert Bosch BMVH				0018306	00019919	V1	\$ 12,600.00			no
Raper, Judy	100.00%	Chemical & Biological Eng		Interfovernmental Personnel Act (IPA) Assignment Dr. Raper	Federal	Research	National Science Foundation	\$ 207,420.00	\$ 207,420.00	\$ -	0010586	00011105	C2	\$ 207,420.00			
Richards, Von	100.00%	Materials Science & Eng		Evaluation of core materials in casting aluminum-titanium alloys	Private	Research	Lynntech, Inc.	\$ 20,000.00	\$ 13,289.00	\$ 6,711.00	0018134	00019731	V1	\$ 20,000.00			no
Rogers, J. David	100.00%	Geological Science & Engineering		Development of a virtual geotechnical database	Federal	Research	Natl Geospatial Intelligence Agency	\$ 100,339.00	\$ 66,671.00	\$ 33,668.00	0012962	00013825	C1	\$ 100,339.00			no
Samaranayake, V.A.	35.00%	Mathematics & Statistics		Science education & quantitative literacy: an inquiry-based approach	State	Instruction	MO Dept. of Higher Education	\$ 509,534.00	\$ 471,791.00	\$ 37,743.00	0018037	00019622	V1	\$ 178,336.90			no
Pringle, Oran Allan	20.00%	Physics		Science education & quantitative literacy: an inquiry-based approach	State	Instruction	MO Dept. of Higher Education				0018037	00019622	V1	\$ 101,906.80			no
Bieniek, Ronald	20.00%	Physics		Science education & quantitative literacy: an inquiry-based approach	State	Instruction	MO Dept. of Higher Education				0018037	00019622	V1	\$ 101,906.80			no
Lasater, Evalee	20.00%	Teacher Education		Science education & quantitative literacy: an inquiry-based approach	State	Instruction	MO Dept. of Higher Education				0018037	00019622	V1	\$ 101,906.80			no
Westenberg, David	5.00%	Biological Sciences		Science education & quantitative literacy: an inquiry-based approach	State	Instruction	MO Dept. of Higher Education				0018037	00019622	V1	\$ 25,476.70			no
Sarangapani, Jag	90.00%	Electrical & Computer Eng	ISC	MRI: Acquisition of Instrumentation for cyber infrastructure-based intelligent vehicle health management testbeds for	Federal	Research	National Science Foundation	\$ 364,592.00	\$ 364,592.00	\$ -	0018410	00020036	V1	\$ 328,132.80			no
Drallmeier, James	10.00%	Electrical & Computer Eng		MRI: Acquisition of Instrumentation for cyber infrastructure-based intelligent vehicle health management testbeds for	Federal	Research	National Science Foundation				0018410	00020036	V1	\$ 36,459.20			no
Sarangapani, Jag	100.00%	Electrical & Computer Eng	ISC	Intelligent maintenance systems center membership	Private	Research	Boeing Co.	\$ 40,000.00	\$ 40,000.00	\$ -	0010853	00011390	C2	\$ 40,000.00			no
Sarangapani, Jag	100.00%	Electrical & Computer Eng	ISC	Intelligent maintenance systems center membership	Private	Research	Chevron Corp.	\$ 40,000.00	\$ 40,000.00	\$ -	0010857	00011394	C2	\$ 40,000.00			no
Sigler, James	100.00%	KMST		Replace on-air and production consoles and upgrade from Dept. of Commerce	Federal	Other	Dept. of Commerce	\$ 42,585.00	\$ 42,585.00		0018366	00019989	V1	\$ 42,585.00			no
Sigler, James	100.00%	KMST		2007-2008 Missouri Public Broadcasting Corporation Special Fund	State	Other	MO Arts Council	\$ 18,772.48	\$ 18,772.48	\$ -	0018375	00019998	V1	\$ 18,772.48			no
Summers, David A.	100.00%	Mining & Nuclear Eng	RMERC	Novel low cost method to install geophones for CO2 monitoring	Private	Research	Impact Tech LLC	\$ 9,999.99	\$ 6,644.51	\$ 3,355.48	0018085	00019676	V1	\$ 9,999.99	\$ 9,999.99		no
Turner, Sue	40.00%	UMR Global		ASDSO Web Seminar-Geotechnical Review of Embankment Dams	Private	Instruction	Association of State Dam Safety Officials	\$ 9,838.00	\$ 6,515.00	\$ 3,323.00	0017782	00019309	V1	\$ 3,935.20			no
Stephenson, Richard	20.00%	CArE		ASDSO Web Seminar-Geotechnical Review of Embankment Dams	Private	Instruction	Association of State Dam Safety Officials				0017782	00019309	V1	\$ 1,967.60			no
Halselhorst, Ross	40.00%	UMR Global		ASDSO Web Seminar-Geotechnical Review of Embankment Dams	Private	Instruction	Association of State Dam Safety Officials				0017782	00019309	V1	\$ 3,935.20			no
Van Aken, David	20.00%	Materials Science & Eng	MRC	MRI: Acquisition of an Analytical TEM for a multi-user materials research environment	Federal	Research	National Science Foundation	\$ 430,500.00	\$ 430,500.00	\$ -	0018414	00020041	V1	\$ 86,100.00	\$ 86,100.00		no
Switzer, Jay	20.00%	Chemistry	MRC	MRI: Acquisition of an Analytical TEM for a multi-user materials research environment	Federal	Research	National Science Foundation				0018414	00020041	V1	\$ 86,100.00	\$ 86,100.00		no
Mishra, Rajiv	20.00%	Materials Science & Eng	ISC	MRI: Acquisition of an Analytical TEM for a multi-user materials research environment	Federal	Research	National Science Foundation				0018414	00020041	V1	\$ 86,100.00	\$ 86,100.00		no
Xing, Yangchuan	20.00%	Chemical & Biological Eng		MRI: Acquisition of an Analytical TEM for a multi-user materials research environment	Federal	Research	National Science Foundation				0018414	00020041	V1	\$ 86,100.00			no

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Fahrenholtz, William	20.00%	Materials Science & Eng		MRI: Acquisition of an Analytical TEM for a multi-user materials research environment	Federal	Research	National Science Foundation				0018414	00020041	V1	\$ 86,100.00		no
Venayagamoorthy, Ganesh	100.00%	Electrical & Computer Eng	ISC	British Council Researcher Exchange Programme	Private	Research	British Council United States	\$ 10,350.00	\$ 10,350.00	\$ -	0018248	00019858	V1	\$ 10,350.00	\$ 10,350.00	no
Weigert, Thomas	100.00%	Computer Science		Collaborative Research: Building up and breaking through abstractions	Federal	Research	National Science Foundation	\$ 320,905.00	\$ 217,291.00	\$ 103,614.00	0018313	00019926	V1	\$ 320,905.00		no
Whitefield, Phil	50.00%	Chemistry	CASL	FAA COE Partner-PM and HAPs emissions characterization for a commercial gas turbine engine using a bio-fuel-probe stand interface	Federal	Research	Dept. of Transportation	\$ 20,000.00	\$ 20,000.00	\$ -	0015590	00018197	C3	\$ 10,000.00	\$ 10,000.00	no
Hagen, Don	50.00%	Physics	CASL	FAA COE Partner-PM and HAPs emissions characterization for a commercial gas turbine engine using a bio-fuel-probe stand interface	Federal	Research	Dept. of Transportation				0015590	00018197	C3	\$ 10,000.00	\$ 10,000.00	no
Lobo, Prem	0.00%		CASL	FAA COE Partner-PM and HAPs emissions characterization for a commercial gas turbine engine using a bio-fuel-probe stand interface	Federal	Research	Dept. of Transportation				0015590	00018197	C3			no
Zheng, Yahong Rosa	100.00%	Electrical & Computer Eng		Bandwidth-efficient low-complexity MIMO transceiver design for high data rate underwater acoustic communications	Federal	Research	Office of Naval Research	\$ 318,182.00	\$ 237,391.00	\$ 80,791.00	0018274	00019887	V1	\$ 318,182.00		no