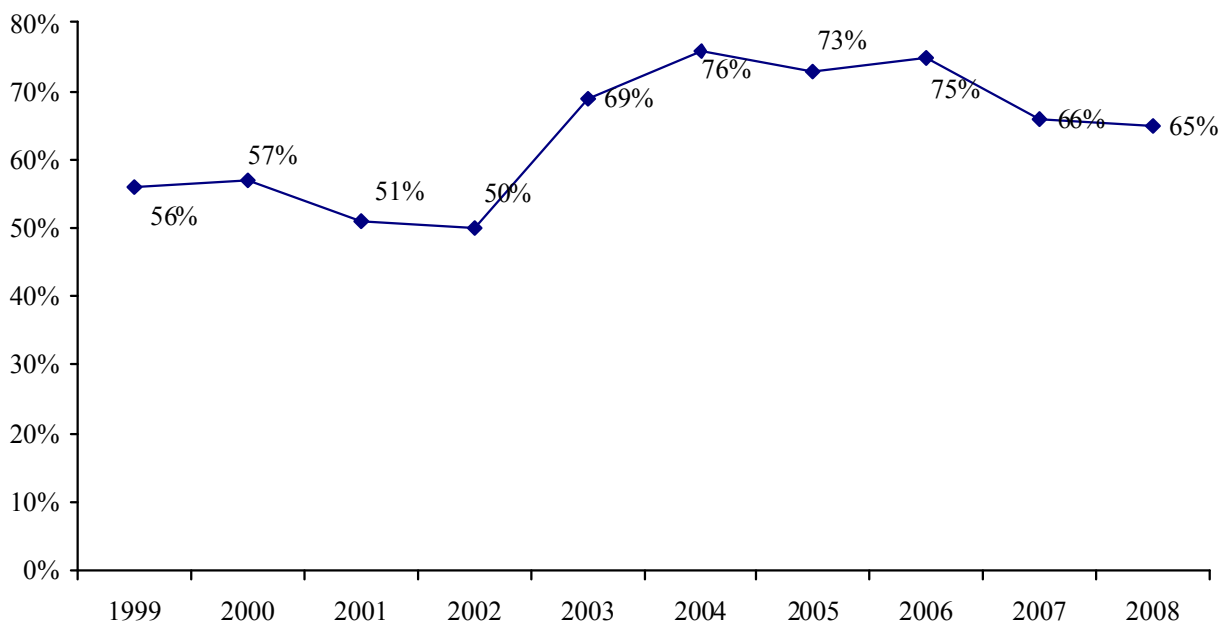


Fulton College of Engineering & Technology

Summary of Sponsored Research (Grants & Contracts)

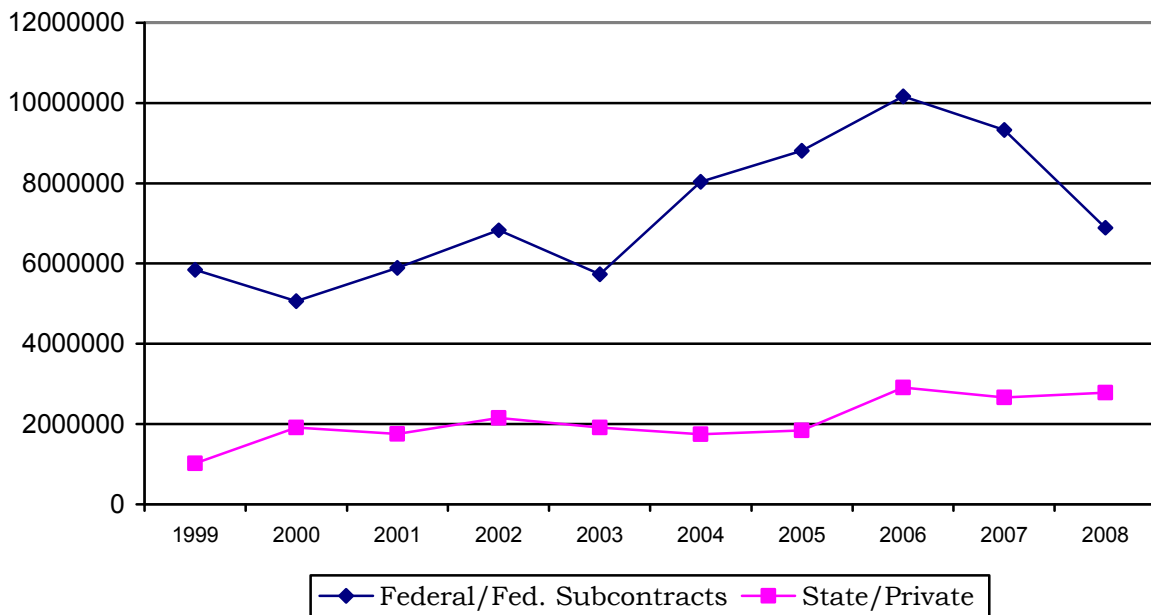
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemical Engineering	13	14	29	35	\$2,691,027
Civil & Environmental Engineering	17	13	16	13	\$672,315
Electrical & Computer Engineering	24	20	45	37	\$3,515,656
Mechanical Engineering	26	22	31	30	\$2,333,877
School of Technology	31	3	5	6	\$461,003
TOTALS	111	72	126	121	\$9,673,878

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
1999	\$5,837,930	\$1,018,434	\$6,856,364
2000	\$5,058,375	\$1,910,470	\$6,968,845
2001	\$5,885,021	\$1,755,752	\$7,640,773
2002	\$6,826,798	\$2,149,658	\$8,976,456
2003	\$5,731,605	\$1,909,861	\$7,641,466
2004	\$8,037,592	\$1,745,891	\$9,783,483
2005	\$8,809,076	\$1,842,299	\$10,651,375
2006	\$10,164,290	\$2,905,036	\$13,069,326
2007	\$9,329,809	\$2,657,764	\$11,987,573
2008	\$6,891,660	\$2,782,218	\$9,673,878



College of Engineering & Technology 2008 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<i>Civil & Environmental Engineering</i>							
Benzley, Steven		Sandia National Labs (DOE)	All Hexahedral Mesh Generation	11/1/2008	9/30/2009	\$4,992	2
Benzley, Steven		Sandia National Lab	Mesh Refinement Tasks	10/9/2003	9/26/2008	\$25,000	2
Benzley, Steven		BLM (State of Utah)	Review Existing Mine Subsidence Data and Identify Procedures for Improved collection and use	7/1/2008	7/1/2009	\$20,646	1
Guthrie, Spencer		Portland Cement	Conditioning & Compaction for Cement Treated Materials	3/1/2006	12/31/2009	\$24,000	4
Guthrie, Spencer		Geneva Rock Products	Development of Alternative Cement Treated Based Section for Reconstruction of Redwood Road	8/15/2008	8/15/2009	\$25,400	4
Guthrie, Spencer		JFC Engineers & Surveyors	Pavement Design and Construction in Cold Regions: Black Butte Coal Access Road	5/1/2008	12/31/2008	\$34,000	4
Guthrie, Spencer		UDOT	Winter Maintenance and Water Flow on Asphalt and Concrete Pavements	9/15/2008	9/14/2012	\$95,000	3
Jones, Norm		Dept of Energy	Development of modeling methods and tools for predicting coupled reactive transport processes in porous media under multiple scales	10/7/2007	12/31/2008	\$50,048	2
Jones, Norm	w/ Nelson, James	Aquaveo (Army)	Hydro informatics Research in Watershed Numerical Modeling	1/1/2008	9/30/2012	\$17,791	2
Nelson, Jim		Aquaveo (Army)	Hydro informatics Research in Watershed Numerical Modeling	1/1/2008	9/30/2012	\$17,792	2
Nelson, Jim		Bureau of Reclamation	Reservoir Modeling and Supporting Monitoring Needs	11/24/2008	9/30/2009	\$11,000	1
Richards, Paul	w/Benzley, Steven	BLM (State of Utah)	Review Existing Mine Subsidence Data and Identify Procedures for Improved collection and use	7/1/2008	7/1/2009	\$20,646	1
Saito, Mitsuru		UDOT	Evaluation of the Effect of a Variable Advisory Speed System on Queue Mitigation in Work Zones	04-15-08	11-30-09	\$40,000	3
Schultz, Grant		UDOT	Economics and Project Prioritization	3/1/2008	12/31/2009	\$35,000	3
Williams, Gus		DOE	Hyper spectral Independent Components Analysis	10/1/2006	9/30/2009	\$240,000	1
Williams, Gus	w/Nelson, Jim	Bureau of Reclamation	Reservoir Modeling and Supporting Monitoring Needs	11/24/2008	9/30/2009	\$11,000	1
<i>Chemical Engineering</i>							
Bartholomew, Cal	w/Hecker, William	Univ of North Dakota (DOE)	Development of Fe Fischer-Tropsch Catalyst for Pilot Scale Testing	8/25/2008	5/31/2009	\$15,000	2
Bartholomew, Cal	w/Hecker, Bill	West Biofuels LLC	Fischer-Tropsch Consortium	10/23/2008	10/31/2009	\$40,000	4
Bartholomew, Cal		Velocys Inc.	Fischer-Tropsch Consortium	8/8/2007	12/31/2010	\$15,000	4
Bartholomew, Cal		Syntec Biofuels	Fischer-Tropsch Consortium	2/20/2008	7/14/2009	\$15,000	4
Bartholomew, Cal	w/Hecker, William	INL	Synthetic Fuels Process Model Assessment and Experimental Data Setup Recommendation	7/14/2008	9/30/2008	\$10,009	2
Bartholomew, Cal		Schlumberger Ltd.	Testing of a Well Dispersed Fischer-Tropsch Catalyst	1/1/2008	4/30/2008	\$10,000	4
Baxter, Larry		GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$14,875	4
Baxter, Larry		GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$63,500	4
Baxter, Larry	award split between 2 accounts	Univ of Utah (DOE)	Gasification Kinetics at High Temperatures and Pressure	10/1/2008	3/31/2010	\$80,000	2
Baxter, Larry		CRE Energy (COE)	Sustainable Oil Shale Processing	9/1/2008	6/30/2009	\$10,750	3
Baxter, Larry	w/Tom Fletcher	UofU (DOE)	Utah Clean Coal Center	7/3/2006	3/31/2009	\$80,000	2
Beckstead, Merrill		CFDRC (DOE)	Fast Cook-off Modeling of Energetic Materials	7/1/2008	10/31/2008	\$37,320	4
Fletcher, Tom		U of U (Chevron)	A Reaction Model for Shale Oil	1/1/2007	12/31/2008	\$66,621	4
Fletcher, Tom		Clemson (DOE)	Deposition of Alternative (Syngas)Fuels on Turbine Blades with Film Cooling	8/1/2005	11/15/2008	\$65,023	2
Fletcher, Tom		OSU (DOE)	Designing Turbine Endwalls for Deposition	10/1/2008	9/30/2009	\$42,759	2

			Resistance				
Fletcher, Tom		Forest Service	Fundamental Combustion Characteristics of Wild land Fires	8/1/2006	9/30/2009	\$10,000	1
Fletcher, Tom		Forest Service	Fundamental Combustion Characteristics of Wild land Fires	8/1/2006	9/30/2009	\$32,000	1
Fletcher, Tom	award split between 2 accounts	Univ of Utah (DOE)	Gasification Kinetics at High Temperatures and Pressure	10/1/2008	3/31/2010	\$100,004	2
Fletcher, Tom		GE Global Research	Gasification of Kinetics at High Temperature & pressure	5/22/2008	5/31/2010	\$155,828	4
Fletcher, Tom		SBIR (DOE)	High Efficiency Shale Oil Recovery	9/1/2008	5/1/2009	\$30,000	2
Fletcher, Tom		ORYXE	Mechanisms for Enhanced Coal Combustion	1/1/2008	12/31/2008	\$95,853	4
Fletcher, Tom		Siemens	Nitrogen Evolution During Coal Pyrolysis	10/1/2006	8/31/2008	\$50,250	4
Harb, John	w/Wheeler, Dean	Lawrence Berkley Lab	Design, Optimization and Fabrication of High Performance Electrodes for the Next Generation of Li-Ion Batteries	8/23/2004	4/4/2009	\$51,000	2
Harb, John		NSF	NIRT: Chemically Directed Surface Alignment and wiring of Self-assembled Nanoelectrical circuits students supplement	7/1/2007	6/30/2011	\$4,000	1
Harb, John		NSF	REU: Chemically Directed Surface Wiring of Nanoelectrical Circuits	7/1/2007	6/30/2011	\$2,400	1
Hecker, Bill	w/Bartholomew, Calvin	Univ of North Dakota (DOE)	Development of Fe Fischer-Tropsch Catalyst for Pilot Scale Testing	8/25/2008	5/31/2009	\$15,000	2
Hecker, Bill	w/Bartholomew, Cal	Velocys Inc.	Fischer-Tropsch Consortium	8/8/2007	12/31/2010	\$15,000	4
Hecker, Bill	w/ Bartholomew, Calvin	Syntec Biofuels	Fischer-Tropsch Consortium	2/20/2008	7/14/2009	\$15,000	4
Hecker, Bill		INL	Synthetic Fuels Process Model Assessment and Experimental Data Setup Recommendation	7/14/2008	9/30/2008	\$10,009	2
Hecker, Bill	w/Bartholomew, Cal	Schlumberger Ltd.	Testing of a Well Dispersed Fischer-Tropsch Catalyst	1/1/2008	4/30/2008	\$10,000	4
Knotts, Thomas A		NSF-CBET	Combinatorial Multiscale Modeling and Simulation of DNA/Surface Interactions for Improved Microarray Design	9/1/2008	8/31/2011	\$401,234	1
Lewis, Randy		Oklahoma State (USDA/CSREES)	Biomass-based Energy Research	7/1/2008	6/30/2010	\$62,182	2
Lewis, Randy		OSU (US Dep Trans)	Effects of Syngas Sources on Ethanol	7/1/2007	6/30/2010	\$45,679	2
Lewis, Randy		OSU (US DOT)	Effects of Syngas Sources on Ethanol Production	7/11/2007	6/30/2010	\$30,506	2
Oscarson, John	w/Rowley, Richard	DIPPR/AIChE	DIPPR 801 Pure chemical Database	8/1/1997	12/31/2010	\$10,000	4
Rowley, Richard	w/Wilding, W. Vincent	DIPPR/AIChE	DIPPR 801 Pure chemical Database	8/1/1997	12/31/2010	\$10,000	4
Rowley, Richard		DIPPR	DIPPR Project 801 - 2009 Extension	8/1/1997	12/31/2010	\$192,500	4
Solen, Kenneth		Mdec	Reversible Precipitation to Separate Fibrinogen From Whole Blood	12/1/2007	4/4/2008	\$4,500	4
Wheeler, Dean	w/Harb, John	Lawrence Berkley Lab	Design, Optimization and Fabrication of High Performance Electrodes for the Next Generation of Li-Ion Batteries	8/23/2004	4/4/2009	\$51,000	2
Wheeler, Dean		NASA Langley Research Center	Electrocatalysis Research	6/4/2008	6/3/2009	\$42,000	1
Wheeler, Dean	w/Harb, John	NSF	NIRT: Chemically Directed Surface Alignment and wiring of Self-assembled Nanoelectrical circuits students supplement	7/1/2007	6/30/2011	\$4,000	1
Wheeler, Dean	w/ Harb, John	NSF	REU: Chemically Directed Surface Wiring of Nanoelectrical Circuits	7/1/2007	6/30/2011	\$2,400	1
Wheeler, Dean		Naval Research lab	Tools Development, Modeling and Design of High Performance Electrodes for Li-Ion Batteries	6/1/2008	5/31/2010	\$87,000	2
Wheeler, Dean		Naval Research Lab (ONR)	Tools Development, Modeling, and Design of High-Performance Electrodes for Li-ion batteries	5/1/2008	4/30/2011	\$87,000	2
Wilding, Vincent	w/Rowley, Richard	DIPPR/AIChE	DIPPR 801 Pure chemical Database	8/1/1997	12/31/2010	\$10,000	4
Wilding, Vincent	w/ Rowley, Richard	DIPPR	DIPPR Project 801 - 2009 Extension	8/1/1997	12/31/2010	\$192,500	4

Electrical & Computer Engineering

Beard, Randy		Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	8/15/2009	\$19,650	2
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Beard, Randy		SET Corp (AFRL)	Human Assisted UAV-UGV Cooperative Tracking of Urban Dismounts	10/1/2008	9*/26/2010	\$108,000	2
Beard, Randy		Mosaic ATM (Army)	Persistent Tactical Seeability Thru Sensor Guidance	10/27/2008	4/23/2009	\$7,720	2
Beard, Randy	w/McLain, Tim	Scientific Systems (Air Force)	Visual collision Detection and Avoidance for a Micro Air Vehicle	9/10/2007	11/10/2009	\$42,825	2
Fisher, J. Richard	w/Warnick, Karl	NSF	MRI: Development of a Flexible Multichannel Digital Receiver for Radio Astronomy	8/15/2008	7/31/2011	\$213,758	1
Hawkins, Aaron		NSF	REU Supplement Request for ECS 0700820	4/15/2007	3/31/2010	\$6,000	1
Hawkins, Aaron		U of CA, Santa Cruz (NIH)	Single Biomedical Sensors Using Integrated Optical Waveguides	4/1/2006	1/13/2009	\$116,622	2
Hawkins, Aaron		UC Santa Cruz (AFRL)	Single-photon nonlinear optics in integrated hollow-core waveguides	6/15/2005	1/31/2009	\$92,886	2
Hawkins, Aaron		NSF	REU Supplement Request for ECS 0528714	5/1/2008	8/31/2008	\$6,000	1
Hutchings, Brad	w/Nelson, Brent	NSF	BYU Research Site for CHERC	2/1/2008	1/31/2009	\$12,500	1
Hutchings, Brad	w/Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2010	\$12,500	1
Hutchings, Brad	w/Nelson, Brent	NASA-Dryden	NASA-Dryden CHREC Membership Dues	9/15/2008	12/31/2009	\$8,750	1
Hutchings, Brad	w/ Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2009	\$8,319	1
Jeffs, Brian	w/Warnick, Karl	NSF	MRI: Development of a Flexible Multichannel Digital Receiver for Radio Astronomy	8/15/2008	7/31/2011	\$213,758	1
Jensen, Michael	w/ Rice, Mike	Edwards AFB	Design of Aeronautical Telemetry Space-Time Decoder System	3/2/2005	9/30/2008	\$11,666	1
Jensen, Michael		UCSD (ARO)	Directional Routing & Scheduling for Secure Mobile Ad-hoc Networks	1/1/2007	12/31/2008	\$100,048	2
Lee, DJ		NIH (Nat Lib Med)	Distributed Medical Image Processing Framework Using Cell Processors	9/1/2008	8/31/2009	\$51,000	1
Long, David		OSU (JPL)	Analyses from QuikSCAT and Seawinds Measurements	7/18/2006	6/27/2010	\$24,871	2
Long, David		Space Dynamics Lab (USU)	BYU mSAR Algorithm Support	5/1/2008	8/30/2009	\$143,271	2
Long, David		Univ Colorado (NASA)	BYU NSIDC QuikSCAT support	4/30/2008	4/29/2010	\$10,000	2
Long, David		OSU (JPL)	Coastal and Orographic Wind Analysis from High Resolution QuikSCAT and Sea Winds Measurements	10/1/2005	6/27/2010	\$969	2
Long, David		NSF	Collaborative Research Free-Drifting Icebergs as Proliferating Dispersion Sites of Iron, enrichment, organic carbon production....	9/1/2007	8/31/2009	\$23,504	1
Long, David		NASA	Scatterometer Climate Record Pathfinder	4/1/2004	3/31/2009	\$290,000	1
Long, David		UofU (NASA)	Space Program	3/1/2006	2/28/2009	\$35,000	2
Long, David		JPL (NASA)	Utah High Resolution Wind, Backscatter and Brightness Temperatures	5/16/2006	6/27/2010	\$165,740	2
Nelson, Brent		NSF	BYU Research Site for CHERC	2/1/2008	1/31/2009	\$12,500	1
Nelson, Brent	w/Wirthlin, Michael; Rice, Michael; Hutchings, Brad	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2010	\$12,500	1
Nelson, Brent		Lockheed Martin	CHREC Member dues	4/23/2008	4/22/2009	\$35,000	4
Nelson, Brent	w/ Rice, Mike	Edwards AFB	Design of Aeronautical Telemetry Space-Time Decoder System	3/2/2005	9/30/2008	\$11,667	1
Nelson, Brent		LANL	Industry/Univ. CHREC Consortium	12/1/2007	12/31/2009	\$35,000	2
Nelson, Brent		Natl Instruments	Industry/Univ. CHREC Consortium	5/30/2007	12/31/2008	\$17,500	4
Nelson, Brent		L-3 Communications	Industry/Univ. CHREC Consortium	5/30/2007	12/31/2008	\$17,500	4
Nelson, Brent		NSF	BYU Research Site for CHREC	2/1/2008	1/31/2009	\$8,319	1
Nelson, Brent	w/Wirthlin, Mike	NASA-Dryden	NASA-Dryden CHREC Membership Dues	9/15/2008	12/31/2009	\$8,750	1
Nordin, Gregory		DARPA	Laboratory for Advanced Photonic Composites	4/22/2008	4/21/2009	\$640,000	2
Nordin, Gregory		NSF	MEMS-Based Chemical and Biological Sensors	7/31/2006	8/31/2009	\$10,000	1
Nordin, Gregory		NSF	Supplement: MEMs based chemical & biological sensors	7/31/2006	8/31/2009	\$47,000	1

Penry, David		Microsoft	Safe & Scalable Multicore Computing; Runtime Packaging of Parallelism and Locality	8/5/2008	8/4/2009	\$55,666	4
Rice, Michael	w/Nelson, Brent	NSF	BYU Research Site for CHERC	2/1/2008	1/31/2009	\$12,500	1
Rice, Michael	w/Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2010	\$12,500	1
Rice, Michael	w/ Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2009	\$8,319	1
Rice, Michael		Edwards AFB	Design of Aeronautical Telemetry Space-Time Decoder System	3/2/2005	9/30/2008	\$11,667	1
Rice, Michael	w/Nelson, Brent	NASA-Dryden	NASA-Dryden CHREC Membership Dues	9/15/2008	12/31/2009	\$8,750	1
Rice, Michael		SAIC (Air Force)	Spectrum Efficient Technology	5/27/2008	5/26/2009	\$98,064	2
Schultz, Stephen	w/Selfridge, Richard	IPITEK (ARMY)	Advanced Polymer Optical Sensors (APOS)	5/9/2008	5/9/2009	\$50,000	2
Schultz, Stephen		IPITEK (DOD)	Tunable Fabry-Perot D-fiber Filter	5/1/2008	12/31/2008	\$2,250	2
Selfridge, Richard		IPITEK (ARMY)	Advanced Polymer Optical Sensors (APOS)	5/9/2008	5/9/2009	\$50,000	2
Selfridge, Richard	w/Schultz, Stephen	IPITEK (DOD)	Tunable Fabry-Perot D-fiber Filter	5/1/2008	12/31/2008	\$2,250	2
Taylor, Clark		AFOSR	Vision-assisted Navigations Mini Air Vehicles	2/1/2007	2/28/2009	\$99,603	1
Taylor, Clark		AFOSR	Vision-Assisted Navigation for Miniature Unmanned Aerial Vehicles	2/1/2007	11/30/2009	\$99,603	1
Warnick, Karl	w/Jeffs, Brian; Fisher, J. Richard	NSF	MRI: Development of a Flexible Multichannel Digital Receiver for Radio Astronomy	8/15/2008	7/31/2011	\$213,759	1
Wirthlin, Michael	w/Nelson, Brent	NSF	BYU Research Site for CHERC	2/1/2008	1/31/2009	\$12,500	1
Wirthlin, Michael	w/Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2010	\$12,500	1
Wirthlin, Michael	w/ Nelson, Brent	NSF	BYU Research Site for CHREC	2/1/2008	1/31/2009	\$8,318	1
Wirthlin, Michael	w/ Nelson, Brent	LANL	Industry/Univ. CHREC Consortium	12/1/2007	12/31/2009	\$35,000	2
Wirthlin, Michael	w/ Nelson, Brent	Natl Instruments	Industry/Univ. CHREC Consortium	5/30/2007	12/31/2008	\$17,500	4
Wirthlin, Michael	w/ Nelson, Brent	L-3 Communications	Industry/Univ. CHREC Consortium	5/30/2007	12/31/2008	\$17,500	4
Wirthlin, Michael	w/Nelson, Brent	NASA-Dryden	NASA-Dryden CHREC Membership Dues	9/15/2008	12/31/2009	\$8,750	1

Mechanical Engineering

Adams, Brent	w/Mattson, Christopher A	NSF	A Framework for Maintaining Product Superiority by Designing Hardware that Protects Itself from Reverse Engineering	6/1/2008	5/31/2011	\$164,998	1
Adams, Brent		ARO	High Resolution Orientation Imaging Microscopy	8/1/2008	11/30/2008	\$25,149	1
Adams, Brent		ARO	HROIM	8/1/2008	11/30/2009	\$77,685	1
Adams, Brent		MSDPO (ARO)	MSDPO STTR Phase II	12/1/2007	12/1/2009	\$228,000	2
Colton, Mark	w/ Beard, Randy	Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	8/15/2009	\$19,650	2
Colton, Mark		Honda	Assistive Robotics for Children with Learning and Social Disabilities	11/1/2008	12/31/2009	\$12,500	4
Fullwood, David	w/Adams, Brent	ARO	High Resolution Orientation Imaging Microscopy	8/1/2008	11/30/2008	\$25,149	1
Fullwood, David	w/Adams, Brent	ARO	HROIM	8/1/2008	11/30/2009	\$77,684	1
Gorrell, Steven		21st Century (STTR)	Expert System for Coherent Feature Detection in High Fidelity Fluid Dynamic Simulations	9/9/2008		\$39,999	2
Howell, Larry		NSF	Lumina Emergent Mechanisms	7/1/2008	6/30/2011	\$135,030	1
Howell, Larry	w/Magleby, Spencer	NSF	REU Supplement for Lamina Emergent Mechanisms	12/1/2008	6/30/2011	\$6,000	1
Jensen, Greg		Progress Mfgs.	Analyze/optimize the Equalizer hitch	2/1/2008	6/1/2008	\$3,150	4
Jensen, Greg		Pratt & Whitney	Composite Ply Generation Design System	5/18/2008	12/31/2008	\$18,000	4
Jensen, Greg		Altair Eng	Machine Design Tutorials for Hyper Works	5/9/2008	8/30/2008	\$7,698	4
Jensen, Greg		Pratt & Whitney	Task #40: IAS-PR Workforce Collaborative Development	8/27/2007	5/30/2008	\$10,000	4
Jensen, Greg		Pratt & Whitney	Task #41: Cax Integration & Customization Methods	1/1/2008	12/31/2008	\$50,230	4
Jones, Matt	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$14,875	4
Jones, Matt	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$63,500	4
Jones, Matt		Boeing Co.	Thermal Energy Harvester	1/1/2008	6/30/2008	\$12,552	4
Magleby, Spencer	w/Howell, Larry	NSF	Lumina Emergent Mechanisms	7/1/2008	6/30/2011	\$135,030	1
Magleby, Spencer	w/Howell, Larry	NSF	REU Supplement for Lamina Emergent Mechanisms	12/1/2008	6/30/2011	\$6,000	1
Mattson, Chris	w/ Adams, Brent	NSF	A Framework for Maintaining Product Superiority by Designing Hardware that Protects Itself from Reverse Engineering	6/1/2008	5/31/2011	\$164,999	1
Mattson, Chris	Adams, Brent L.	NSF	A Framework for Maintaining Product Superiority by Designing hardware that protects	6/1/2008	5/31/2011	\$12,000	1

			itself from reverse engineering				
Mattson, Chris		FEI Co.	Focused Ion Beam Subsystem Multidisciplinary Modeling and Optimization	7/1/2008	8/31/2011	\$120,000	4
Maynes, Dan	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$14,875	4
Maynes, Dan	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$63,500	4
Maynes, Dan		Concepts NREC	Performance, Prediction, & Analysis of Centrifugal Flow Impellers	1/1/2005	12/31/2008	\$48,810	4
Maynes, Dan		CCI Valve	Turbulence Flow Induced Vibrations in Pipe System	1/1/2007	12/31/2008	\$50,000	4
Maynes, Dan	w/ Blotter, Jonathan	Genscape	Turbulence Flow Induced Vibrations in Pipe Systems	2/1/2008	1/31/2009	\$50,000	4
McLain, Tim	w/ Beard, Randy	Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	8/15/2009	\$19,650	2
McLain, Tim	w/Beard, Randy	Mosaic ATM (Army)	Persistent Tactical Seeability Thru Sensor Guidance	10/27/2008	4/23/2009	\$7,720	2
McLain, Tim	w/Beard, Randy	Scientific Systems (Air Force)	Visual collision Detection and Avoidance for a Micro Air Vehicle	9/10/2007	11/10/2009	\$42,824	2
Nelson, Tracy		SKB	Friction Stir Processing Consortium	10/1/2008	10/31/2009	\$35,000	4
Nelson, Tracy		ONR	Friction Stir Welding Butt- and T-Joints in Thin HSLA-65 Steel Plate with Low Distortion	11/14/2007	11/13/2009	\$65,021	1
Nelson, Tracy		ONR	Friction Stir Welding Butt- and T-Joints in Thin HSLA-65 Steel Plate with Low Distortion	11/14/2007	11/13/2009	\$65,021	1
Nelson, Tracy	w/Sorensen, Carl	ONR	Friction Stir Welding for Naval Applications	4/9/2007	11/30/2009	\$125,000	1
Nelson, Tracy		NSF	Supplemental Research on Fundamental Aspects of Control and Response Variable Relationships in FSW	09-01-04	08-31-09	\$25,000	1
Sorensen, Carl	w/Nelson, Tracy	ONR	Friction Stir Welding for Naval Applications	4/9/2007	11/30/2009	\$125,000	1
Sorensen, Carl	w/Nelson, Tracy	NSF	Supplemental Research on Fundamental Aspects of Control and Response Variable Relationships in FSW	09-01-04	08-31-09	\$25,000	1
Thomson, Scott		NIH	Influences of Surface Adhesive Forces	2/9/2007	1/31/2009	\$60,000	1
Todd, Robert		Vernier Moon Tech	Continuation of research for development of positively engage continuous	6/15/2008	9/30/2009	\$102,947	4
Todd, Robert		QLR,LLC	Investigation of a Manufacturing Process to Create Al Oxide Particles	10/1/2007	12/31/2008	\$92,672	4
Todd, Robert		QLR, LLC	Investigation of a Manufacturing Process to create al oxide particles	10/1/2007	12/31/2008	\$39,280	4
Tree, Dale		Babcock & Wilcox	Ash Deposition and Gas Composition	6/26/2008	12/31/2008	\$46,623	4
Tree, Dale	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$14,875	4
Tree, Dale	w/Baxter, Larry	GE	Coal Gasification Technology Development	1/1/2006	12/31/2008	\$63,500	4
Tree, Dale		B&W (DOE)	Demonstration of Ash Deposition and Gas Composition	6/26/2008	1/31/2009	\$9,150	2

School of Technology

Kohkonen, Kent	w/Miles, Michael	NSF	SGER Proposal: Friction Bit Joining - A New Solid State Spot Joining Process	8/1/2008	7/31/2009	\$17,499	1
Lunt, Barry		Millenniata Inc	Long Term Data Storage	4/15/2007	12/31/2008	\$5,000	4
Lunt, Barry	w/Linford, Matt	Millenniata Inc	Long Term Digital Data Storage	2/1/2008	12/31/2008	\$25,965	4
Lunt, Barry		Millenniata Inc.	Long Term Digital Data Storage	4/15/2007	12/31/2008	\$10,000	4
Lunt, Barry		Millenniata	Long-term Digital Data Storage	2/1/2008	12/31/2008	\$74,650	4
Lunt, Barry		Millenniata	Long term Digital Data Storage	5/1/2008	12/31/2009	\$19,602	4
Lunt, Barry	w/Linford, Matt	Millenniata	Long term Digital Data Storage	5/1/2008	12/31/2009	\$83,296	4
Miles, Michael		NSF	SGER Proposal: Friction Bit Joining - A New Solid State Spot Joining Process	8/1/2008	7/31/2009	\$99,435	1

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals

Chemical Engineering	\$2,394,702
Civil & Environmental Engineering	\$672,315
Electrical & Computer Engineering	\$3,418,092
Mechanical Engineering	\$2,621,346
School of Technology	\$335,447

College Total:

\$9,441,902

Engineering & Technology

Source Breakdown of Grants and Contracts

Sponsor	No. Awarded	Amount
Federal Sponsors		
AFOSR	2	\$199,206
ARO	2	\$205,667
BLM (State of Utah)	1	\$41,292
Bureau of Reclamation	1	\$22,000
DOE	1	\$240,000
Edwards AFB	1	\$35,000
Forest Service	2	\$42,000
NASA	1	\$290,000
NASA Langley Research Center	1	\$84,000
NASA-Dryden	1	\$35,000
NIH	1	\$60,000
NIH (Nat Lib Med)	1	\$51,000
NSF	17	\$1,672,546
NSF-CBET	1	\$401,234
ONR	3	\$380,042
<i>Total</i>	36	\$3,758,987

Engineering & Technology

Source Breakdown of Grants and Contracts

Federal Subcontracts Sponsors		
21st Century (STTR)	1	\$39,999
Aquaveo (Army)	1	\$35,583
B&W (DOE)	1	\$9,150
Clemson (DOE)	1	\$65,023
DARPA	1	\$640,000
Dept of Energy	1	\$50,048
INL	1	\$20,018
IPITEK (ARMY)	1	\$100,000
IPITEK (DOD)	1	\$4,500
JPL (NASA)	1	\$165,740
LANL	1	\$70,000
Lawrence Berkley Lab	1	\$102,000
Mosaic ATM (Army)	1	\$23,160
MSDPO (ARO)	1	\$228,000
Naval Research lab	1	\$87,000
Naval Research Lab (ONR)	1	\$87,000
Oklahoma State (USDA/CSREES)	1	\$62,182
OSU (DOE)	1	\$42,759
OSU (JPL)	2	\$25,840
OSU (US Dep Trans)	1	\$45,679
OSU (US DOT)	1	\$30,506
Procerus (AFOSR)	1	\$58,950
SAIC (Air Force)	1	\$98,064
Sandia National Lab	1	\$25,000
Sandia National Labs (DOE)	1	\$4,992
SBIR (DOE)	1	\$30,000
Scientific Systems (Air Force)	1	\$85,649
SET Corp (AFRL)	1	\$108,000
Space Dynamics Lab (USU)	1	\$143,271
U of CA, Santa Cruz (NIH)	1	\$116,622
UC Santa Cruz (AFRL)	1	\$92,886
UCSD (ARO)	1	\$100,048
Univ Colorado (NASA)	1	\$10,000
Univ of North Dakota (DOE)	1	\$30,000
Univ of Utah (DOE)	2	\$180,004
U of U (DOE)	1	\$80,000
U of U (NASA)	1	\$35,000
<i>Total</i>	39	\$3,132,673

Engineering & Technology

Source Breakdown of Grants and Contracts

State Sponsors

CRE Energy (COE)	1	\$10,750
UDOT	3	\$170,000
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<i>Total</i>	4	\$180,750

Private Sponsors

Altair Eng	1	\$7,698
Babcock & Wilcox	1	\$46,623
Boeing Co.	1	\$12,552
CCI Valve	1	\$50,000
CFDRC (DOE)	1	\$37,320
Concepts NREC	1	\$48,810
DIPPR	1	\$385,000
DIPPR/AICHe	1	\$30,000
FEI Co.	1	\$120,000
GE	2	\$313,500
GE Global Research	1	\$155,828
Geneva Rock Products	1	\$25,400
Genscape	1	\$50,000
Honda	1	\$50,000
JFC Engineers & Surveyors	1	\$34,000
L-3 Communications	1	\$35,000
Lockheed Martin	1	\$35,000
Mdec	1	\$4,500
Microsoft	1	\$55,666
Millenniata	2	\$227,708
Millenniata Inc	2	\$113,860
Millenniata Inc.	1	\$20,000
National Instruments	1	\$35,000
ORYXE	1	\$95,853
Portland Cement	1	\$24,000
Pratt & Whitney	3	\$78,230
Progress Manufacturing	1	\$3,150
QLR, LLC	1	\$39,280
QLR, LLC	1	\$92,672
Schlumberger Ltd.	1	\$20,000
Siemens	1	\$50,250
SKB	1	\$35,000
Syntec Biofuels	1	\$30,000
U of U (Chevron)	1	\$66,621
Velocys Inc.	1	\$30,000
Vernier Moon Tech	1	\$102,947
West Biofuels LLC	1	\$40,000
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<i>Total</i>	42	\$2,601,468