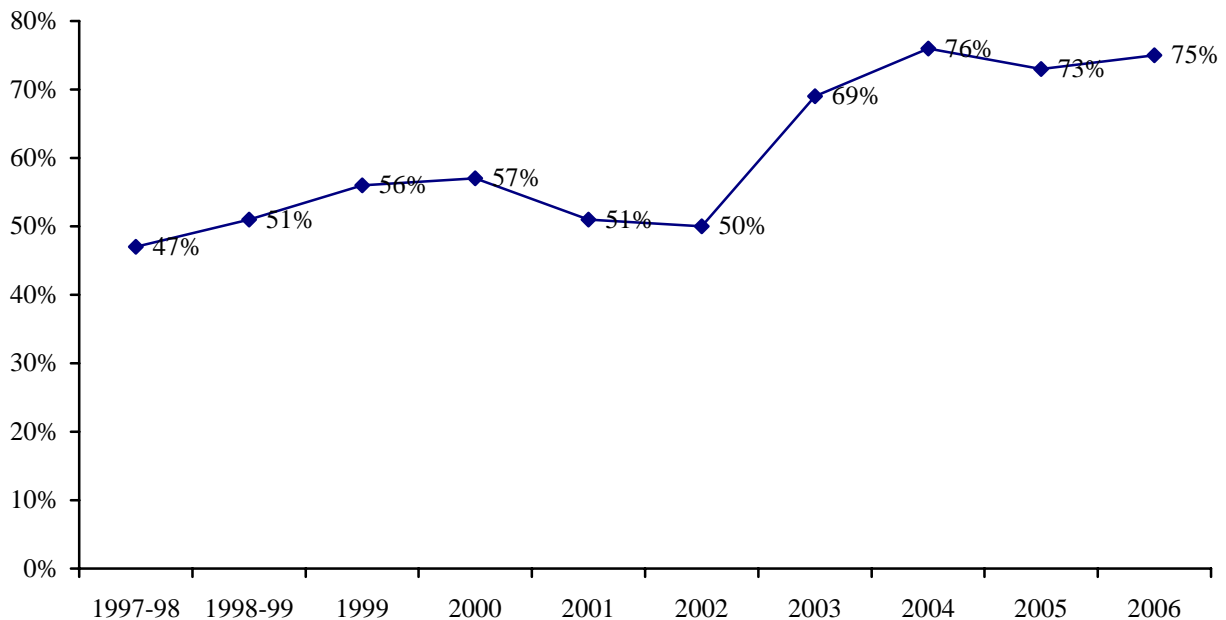


Fulton College of Engineering & Technology

Summary of Sponsored Research (Grants & Contracts)

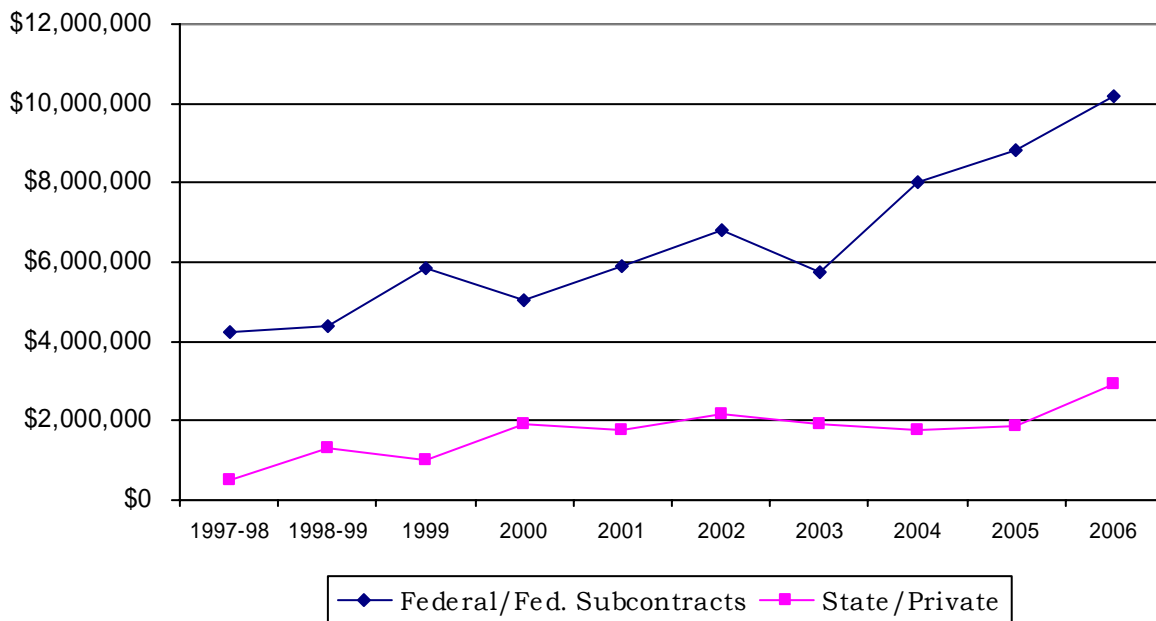
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemical Engineering	13	12	29	36	\$2,416,302
Civil & Environmental Engineering	18	14	38	49	\$3,084,387
Electrical & Computer Engineering	26	21	69	66	\$4,749,940
Mechanical Engineering	23	27	52	58	\$2,812,697
School of Technology	24	4	3	2	\$6,000
TOTALS	104	78	191	211	\$13,069,326

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
1997-98	\$4,212,196	\$509,340	\$4,721,536
1998-99	\$4,400,195	\$1,334,014	\$5,734,209
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



College of Engineering & Technology 2006 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>
<i>Civil and Environmental Engineering</i>							
Benzley, Steven		Sandia Natl. Labs	Mesh Refinement Tasks	10/9/2003	9/30/2006	1	\$131,600
Benzley, Steven		Sandia Natl. Labs	Mesh Refinement Tasks	10/9/2003	9/30/2007	2	\$70,000
Gerber, Travis	w/Rollins, Kyle	UDOT	Dynamic Passive Pressure on Abutments and Pile Caps	5/1/2005	6/30/2009	3	\$132,697
Guthrie, Spencer		INSUL-FLO	Thermally Insulating Admixtures for Use in Fillable Flow	5/20/2006	3/30/2007	4	\$16,000
Guthrie, Spencer		Portland Cement	Project Specifications for Cement-Treated Materials	3/1/2006	2/28/2008	4	\$120,000
Guthrie, Spencer		Rocky Mt. Cement Council	Freeze-thaw Durability of Pervious Concrete	1/1/2007	12/31/2007	4	\$8,000
Hotchkiss, Rollin		USU (USGS)	Potential Impacts of Flow Augmentation on Streams	3/1/2006	2/28/2007	2	\$6,667
Hotchkiss, Rollin		UDOT	Fish Passage at Utah Culverts	6/1/2006	6/1/2008	3	\$37,083
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 14	9/1/2002	10/31/2007	1	\$22,100
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 15	9/1/2002	10/31/2007	1	\$47,000
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 16	9/1/2002	10/31/2007	1	\$28,000
Jones, Norman		Army Corp of Engineers	Hydrosystems Modeling, Mod 20	9/1/2002	10/31/2007	1	\$6,667
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 21	9/1/2002	10/31/2007	1	\$13,334
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 22	9/1/2002	10/31/2007	1	\$164,734
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 23	9/1/2002	10/31/2007	1	\$13,334
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 24	9/1/2002	10/31/2007	1	\$125,334
Jones, Norman		Army WES	Hydrosystems Modeling, Mod 25	9/1/2002	10/31/2007	1	\$18,334
Miller, Wood	w/ Nelson, James	UDOT	Calibration & Parameters for SCS Methodologies	2/1/2005	5/1/2007	3	\$15,000
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 14	9/1/2002	10/31/2007	1	\$22,100
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 15	9/1/2002	10/31/2007	1	\$47,000
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 16	9/1/2002	10/31/2007	1	\$28,000
Nelson, James	w/ Jones, Norman	Army Corp of Engineers	Hydrosystems Modeling, Mod 20	9/1/2002	10/31/2007	1	\$6,667
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 21	9/1/2002	10/31/2007	1	\$13,333
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 22	9/1/2002	10/31/2007	1	\$164,733
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 23	9/1/2002	10/31/2007	1	\$13,333
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 24	9/1/2002	10/31/2007	1	\$125,333
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 25	9/1/2002	10/31/2007	1	\$18,333
Nelson, James	w/ Miller, Wood	UDOT	Calibration & Parameters for SCS Methodologies	2/1/2005	5/1/2007	3	\$15,000
Rollins, Kyle		UDOT	Dynamic Passive Pressure on Abutments and Pile Caps	5/1/2005	6/30/2009	3	\$132,698
Rollins, Kyle		UDOT	Downdrag Forces Resulting from Embankment Settling	8/1/2004	4/15/2007	3	\$1,254
Rollins, Kyle		The National Academies	Design Guidelines for Increasing the Lateral Resistance of Highway	6/2/2006	6/1/2009	1	\$499,758
Saito, Mitsuru		Trafficon	Development of Automated Stopped Delay Estimation Software	8/1/2006	8/31/2008	4	\$163,946
Saito, Mitsuru		UDOT	Safety & Design of Two-Lane Rural Highways	6/1/2006	5/31/2007	3	\$35,000
Schultz, Grant		UDOT	Advance Warning Signal Site Selection Evaluation Matrix	1/1/2006	10/1/2007	3	\$35,000
Schultz, Grant		UDOT	Access Management Performance Index Evaluation	3/1/2006	2/28/2008	3	\$35,000
Schultz, Grant		UDOT	Evaluation of Advance Warning Signal Installation	7/1/2004	12/31/2007	3	\$17,000
Schultz, Grant		UDOT	Safety Analysis of Fatigue and Drowsy Driving	9/1/2006	8/31/2008	3	\$40,000
Williams, Gus		Brigham City	Water Analysis to Determine Staining Processes & Mitigation	1/30/2006	11/30/2006	3	\$16,184
Williams, Gus		URS Corp (Hill)	Soil Vapor Venting Profile Field Study	6/1/2006	12/31/2006	2	\$20,000

Williams, Gus		AFB) DOE	Hyperspectral Independent Component Analysis	10/1/2006	9/30/2007	1	\$220,000
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 14	9/1/2002	10/31/2007	1	\$22,100
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 15	9/1/2002	10/31/2007	1	\$47,000
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 16	9/1/2002	10/31/2007	1	\$28,000
Zundel, Alan	w/ Jones, Norman	Army Corp of Engineers	Hydrosystems Modeling, Mod 20	9/1/2002	10/31/2007	1	\$6,666
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 21	9/1/2002	10/31/2007	1	\$13,333
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 22	9/1/2002	10/31/2007	1	\$164,733
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 23	9/1/2002	10/31/2007	1	\$13,333
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 24	9/1/2002	10/31/2007	1	\$125,333
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling, Mod 25	9/1/2002	10/31/2007	1	\$18,333
Chemical Engineering							
Baxter, Larry		General Electric	Coal Gasification Technology Development	1/1/2006	12/31/2008	4	\$122,500
Baxter, Larry	w/ Fletcher, Thomas	U of Utah (DOE)	Utah Clean Coal Center	7/3/2006	7/2/2007	2	\$120,000
Baxter, Larry		Stanford Consortium	Global Climate Change Project	6/9/2006	8/31/2006	4	\$93,000
Baxter, Larry	w/ Tree, Dale	Aire Liquide	Investigation of Nitrogen evlousiont and Corrosion with OxyCombustion	9/1/2005	8/31/2008	4	\$3,333
Baxter, Larry	w/ Maynes, Daniel	General Electric	Coal Gasification Technology	1/1/2006	12/31/2008	4	\$26,250
Beard, Tim	w/ McLain, Tim	AFOSR	Cooperation and Consensus Seeking for Air Vehicles	4/1/2004	6/30/2007	1	\$59,968
Beckstead, Merrill		Software Eng. Assoc (ONR)	Fundamental Modeling of Propellant Ingredients	9/30/2001	3/31/2006	2	\$8,000
Beckstead, Merrill		Software Eng. Assoc(ONR)	Fundamental Modeling of Propellant Ingredients	9/30/2001	9/30/2006	2	\$50000
Beckstead, Merrill		Software Eng. Asoc (ONR)	Fundamental Modeling of Propellant Ingredients.	9/30/2001	3/31/2007	2	\$30,000
Beckstead, Merrill		U of U (DOE)	C-SAFE	12/16/2002	9/30/2006	2	\$16,875
Beckstead, Merrill		U of U (DOE)	C-SAFE	12/16/2002	9/30/2006	2	\$16,875
Beckstead, Merrill		ATK/Thiokol	Modeling Solid Propellant Combustion	6/8/2005	3/30/2007	4	\$20,000
Beckstead, Merrill		ATK/Thiokol	Modeling Solid Propellant Combustion	6/8/2005	3/30/2007	4	\$20,000
Fletcher, Thomas		USDA	Fundamental Combusion Characteristics of Live Wildland Fuels	8/1/2006	9/30/2007	1	\$70,024
Fletcher, Thomas		USDA	Fundamental Combusion Characteristics of Live Wildland Fuels	8/1/2006	9/30/2007	1	\$70,024
Fletcher, Thomas		LANL	Improved Combustion Physics for the Wildland Fire Prediction Model	10/1/2003	9/30/2006	1	\$25,500
Fletcher, Thomas		Sandia	Polymeric Foam Decomposition	8/1/2006	7/30/2007	2	\$12,000
Fletcher, Thomas	w/ Baxter, Larry	U of Utah (DOE)	Utah Clean Coal Center	7/3/2006	7/2/2007	2	\$120,000
Fletcher, Thomas		Headwaters Energy Svcs.	The Effect of Iron Catalyst on Nitrogen Evolution	9/1/2006	5/31/2007	4	\$20,000
Fletcher, Thomas		Sandia	Polymeric Foam Decomposition	6/1/2003	8/30/2007	1	\$3,000
Fletcher, Thomas	w/ Tree, Dale	Aire Liquide	A Mechanistic Investigation of Nitrogen evlousiont and Corrosion with OxyCombustion	9/1/2005	8/31/2008	4	\$3,333
Harb, John		NSF	Exploratory Methods for Nanowire Fabrication	3/15/2005	2/28/2006	1	\$4,000
Harb, John		Johns Hopkins (NIH)	Power Harvesting in Implanted Neural Probes	5/15/2006	4/30/2007	2	\$43,418
Harb, John	w/ Wheeler, Dean	Lawrence Berkeley Lab	High Performance Electrodes for Batteries	8/23/2004	10/31/2007	2	\$73,500
Lewis, Randy		OSU (USDA)	Biomass Based Energy Research	7/1/2006	6/30/2008	2	\$72,404
Lewis, Randy		OSU (DOE)	Biomass Based Energy Research	7/1/2006	6/30/2007	2	\$41,000
Oscarson, John	w/ Rowley, Richard	DIPPR	Evaluated Process Design Database	8/1/1997	12/31/2010	4	\$96,667
Oscarson, John	w/ Izatt, Reed	Army RDECOM	Modeling & Thermodynamic Study of Aqueous Chemical Reactions	8/1/2006	12/31/2006	1	\$45,000
Pitt, William		NIH	Controlled Drug Delivery to Colon Tumors via Ultrasound	5/1/2004	4/30/2007	1	\$230,699
Rowley, Richard		DIPPR	Evaluated Process Design Database	8/1/1997	12/31/2010	4	\$96,667
Rowley, Richard		DIPPR/AICHe	Extension of DIADEM to Include DIPPR 911 Database	6/5/2006	10/31/2006	4	\$15,000

Terry, Ronald	w/Erekson, Thomas	Utah State U. (NSF)	National Center for Engineering & Technology Education	9/15/2004	8/31/2007	2	\$141,891
Wheeler, Dean	w/ Harb, John	NSF	Exploratory Methods for Nanowire Fabrication on Insulating Substrates	3/15/2005	2/28/2006	1	\$4,000
Wheeler, Dean		NSF	Design of Large-Scale Molecular Simulations	2/1/2006	1/31/2011	1	\$400,041
Wheeler, Dean		Lawrence Berkeley Lab	High Performance Electrodes for Batteries	8/23/2004	10/31/2007	2	\$73,500
Wilding, Vincent	w/ Rowley, Richard	DIPPR	Evaluated Process Design Database	8/1/1997	12/31/2010	4	\$96,666
Wilding, Vincent	w/ Fletcher, Thomas	Sandia National Labs	Polymeric Foam Decomposition	8/1/2006	7/30/2007	2	\$12,000
<i>Electrical and Computer Engineering</i>							
Archibald, James		Procerus Technologies	FPGA Implementation of Real-Time, High Resolution	5/8/2006	8/31/2006	4	\$6,450
Beard, Randy		Eglin AFB	Cooperative Control of Micro Air Vehicles in Urban Environments	8/1/2006	7/31/2007	1	\$20,000
Beard, Randy		Scientific Systems(NASA)	Autonomous Surveillance of Forest Fires Using Cooperatives of UAV's	5/23/2005	5/22/2007	1	\$41,500
Beard, Randy	w/ McLain, Tim	Utah State COE	Unmanned Air Vehicle	7/1/2006	6/30/2007	3	\$27,730
Beard, Randy	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Miniature Air Vehicles	7/3/06	8/31/2007	1	\$50,724
Hawkins, Aaron		Raytheon (DARPA)	Visible/Short Wave Infrared-Photon Counting Arrays	12/31/2005	2/28/2006	2	\$75,000
Hawkins, Aaron		NSF	Collaborative Research: Integrated Optics Using Quantum...	4/15/2005	3/31/2008	1	\$6,000
Hawkins, Aaron		U of CA, Santa Cruz (NIH)	Single Biomolecule Sensors Waveguides with Liquid Cores	4/1/2006	1/31/2007	2	\$122,760
Hawkins, Aaron		UC Santa Cruz	Single-photon Nonlinear Optics in Integrated Hollow-core Waveguides	6/15/2005	12/14/2007	2	\$43,400
Hawkins, Aaron		Raytheon (DARPA)	Visible Short Wave Infrared Photo Counting	12/13/2006	2/28/2007	2	\$50,000
Jeffs, Brian		NSF	RFI Mitigation for Radio Astronomy	9/15/2004	8/31/2007	1	\$ 59,167
Jensen, Michael	w/ Rice, Michael	Edwards AFB	Design of Aeronautical Telemetry Space Time Decoder System	3/2/2005	8/2/2006	1	\$124,300
Jensen, Michael	w/ Swindlehurst, Lee	UCSD (ARO)	Directional Routing & Scheduling for Secure Mobile Networks	6/1/2004	12/31/2006	2	\$65,697
Jensen, Michael	w/ Jeffs, Brian	NSF	RFI Mitigation for Radio Astronomy	9/15/2004	8/31/2007	1	\$59,167
Jensen, Michael		Utah COE	Center of Excellence in Advanced Communications Technology	7/1/2003	6/30/2007	3	\$50,000
Jensen, Mike	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Miniature Air Vehicles	7/3/06	8/31/2007	1	\$50,724
Lee, DJ		NIH	Web-deployable CBIR Techniques with Support for Spatial Geometrical Relationships	8/9/2006	8/31/2007	1	\$55,000
Lee, DJ	w/ Archibald, James	Procerus Technologies	FPGA Implementation of Real-Time, High Resolution	5/8/2006	8/31/2006	4	\$6,450
Long, David		USU/SDL (NASA)	BYU MicroSAR Fabrication and Upgrade	5/1/2006	12/31/2007	2	\$50,034
Long, David		(OSU) JPL	Wind Analyses from High Resolution QuickSCAT & SeaWinds Measurements	7/18/2006	6/24/2007	2	\$25,303
Long, David		U of Colorado (NASA)	Sea Ice Processes Using Ice Motion & Ice Age Information	9/1/2004	8/31/2007	2	\$137,316
Long, David		NASA (NOAA)	High Resolution Scatterometer Wind and Rain	4/1/2006	3/30/2008	1	\$82,889
Long, David		JPL	Meeting Support	5/15/2006	6/24/2007	2	\$14,000
Long, David		JPL (NSF)	Ultra High Resolution Wind, Backscatter & Brightness Temperature	5/16/2006	6/24/2007	2	\$87,002
Long, David		JPL	Validation of Ultra High Resolution Wind, Backscatter, and Brightness Temperature	5/16/2006	6/24/2007	2	\$87,002
Long, David		U of U (NASA)	Rocky Mountain Utah Space Grant College and Fellowship Program	3/1/2005	2/28/2007	2	\$50,000
Long, David		Intermap	IFSAR Motion Compensation Investigation	8/16/2006	2/15/2007	4	\$24,153
Long, David		NOAA	Ultra High Resolution Wind Retrievals from QuickSCAT	7/15/2005	5/25/2007	1	\$40,000
Long, David		NOAA	Ultra High Spatial Resolution from QuikSCAT	9/11/2006	9/30/2007	1	\$20,000
Long, David		USU (NASA)	BYU MicroSAR Fabrication and Upgrade	10/2/2006	12/31/2007	2	\$171,641
Long, David		NASA	Scatterometer Climate Record Pathfinder	10/1/2005	3/31/2009	1	\$210,000

Long, David		JPL (NASA)	Ultra High Resolution of Wind Backscatter, & Brightness Temp.	5/16/2006	6/24/2007	2	\$87,000
Long, David		JPL (NASA)	Cassini SAR Enhancement	5/16/2006	9/23/2006	2	\$35,000
Nelson, Brent	w/ Rice, Michael	Edwards AFB	Design of Aeronautical Telemetry Space Time Decoder System	3/2/2005	8/2/2006	1	\$124,300
Nelson, Brent		Sandia National Lab	High-Speed Networking on Configurable Platforms	12/15/2005	9/30/2006	1	\$44,672
Nelson, Brent		Sandia National Lab	GPU-Based Architectures for High Performance Computing	12/18/2006	9/30/2007	4	\$44,396
Nordin, Greg		NSF	SIGR: Photonic Microcantilever Arrays for Chemical & Biological Sensing	1/24/2006	12/31/2009	1	\$1,375,859
Nordin, Greg		UAH (NSF)	Waveguide Bends and Splitters in SOI Waveguides	4/15/2006	6/30/2006	2	\$3,832
Nordin, Greg		NSF	MASINT Project	7/31/2006	8/31/2006	1	\$4,000
Nordin, Greg		ACTR	Building of Family Micro-devices	8/9/2006	8/8/2007	4	\$38,600
Nordin, Greg		NSF	MEMS-Based Chemical and Biological Sensors (MASINT Project)	7/3/2006	8/31/2007	1	\$52,700
Nordin, Greg		NSF	Mastin Project Amend #1	7/31/2006	8/31/2007	1	\$52,700
Nordin, Greg		NSF	Mastin Project Amend #2	7/31/2006	8/31/2007	1	\$10,000
Rice, Michael		Edwards AFB	Design of Aeronautical Telemetry Space Time Decoder System	3/2/2005	8/2/2006	1	\$124,301
Rice, Michael		Edwards AFB	Aeronautical Telemetry Space-Time Decoder System	3/2/2005	12/29/2006	1	\$4,000
Rice, Michael	w/ Jensen, M.	Utah COE	Center of Excellence in Advanced Communications Technology	7/1/2003	6/30/2007	3	\$50,000
Schultz, Stephen		Harris Corp.	D-Fiber Tunable Filter	1/12/2006	6/1/2006	4	\$10,000
Schultz, Stephen		IPITEK (DOD)	Optical Fiber High-Speed Survivable Transducer	7/19/2005	10/30/2007	2	\$14,508
Schultz, Stephen		NAVY	D-Fiber Sensors in Harsh Environments	4/25/2006	4/24/2007	1	\$56,150
Schultz, Stephen		IPITEK (DOD)	An Optical Fiber High-Speed Survivable Transducer	7/19/2005	10/30/2007	2	\$39,578
Schultz, Stephen		Harris Corp.	D-Fiber Tunable Filter	10/24/2006	3/1/2007	4	\$7,500
Selfridge, Richard	w/ Schultz, Stephen	NAVY	D-Fiber Sensors in Harsh Environments	4/25/2006	4/24/2007	1	\$56,150
Selfridge, Richard	w/ Schultz, Stephen	Harris Corp.	D-Fiber Tunable Filter	10/24/2006	3/1/2007	4	\$7,500
Selfridge, Richard	w/ Schultz, Stephen	IPITEK (DOD)	Optical Fiber High-Speed Survivable Transducer	7/19/2005	10/30/2007	2	\$14,507
Selfridge, Richard	w/ Schultz, Stephen	Harris Corp.	D-Fiber Tunable Filter	1/12/2006	6/1/2006	4	\$10,000
Selfridge, Richard	w/ Schultz, Stephen	IPITEK (DOD)	Optical Fiber High-Speed Survivable Transducer	7/19/2005	10/30/2007	2	\$39,577
Swindlehurst, Lee		NSF	Distributed Communications & Control for Miniature Air Vehicles	7/3/2006	8/31/2007	1	\$50,725
Swindlehurst, Lee		UCSD (ARO)	Directional Routing & Scheduling for Secure Mobile Networks	6/1/2004	12/31/2006	2	\$ 65,697
Swindlehurst, Lee	w/ Jensen, Michael	Utah COE	COE: Advanced Communications Technology	7/1/2003	6/30/2007	3	\$50,000
Taylor, Clark	w/ McLain, Tim	Utah State COE	Unmanned Air Vehicle	7/1/2006	6/30/2007	3	\$27,731
Warnick, Karl	w/ Lee, Milton	NIH	Electromobility Focusing for Separation of Proteins	2/1/2006	1/31/2007	1	\$69,992
Warnick, Karl	w/ Jeffs, Brian	NSF	RFI Mitigation for Radio Astronomy	9/15/2004	8/31/2007	1	\$59,167
Wirthlin, Michael		LANL	Improving the Reliability of FPGA Designs	2/10/2004	12/31/2006	1	\$101,076
Wirthlin, Michael		LANL	Improving Reliability of FPGA Design	2/10/2004	9/30/2006	1	\$51,980
Wirthlin, Michael		Lockheed Martin	Dynamic Internal Reconfiguration Technology	11/1/2006	11/30/2006	4	\$50,000
Mechanical Engineering							
Adams, Brent		Army Research Office	Microstructure Sensitive Design	7/26/2004	11/25/2006	1	\$ 118,750
Adams, Brent		AFOSR	Role of Grain Boundaries: Meso Scale Simulation	1/15/2005	12/30/2006	1	\$63,000
Adams, Brent		MSDPO	Second Order MSD of Titanium Alloys	8/14/2006	2/14/2007	4	\$12,000
Adams, Brent		MSDPO	Second Order MSD of Titanium Alloys	8/14/2006	2/14/2006	4	\$6,000
Blotter, Jonathan	w/ Gee, Kent	STI Technologies	Energy Based Acoustic Measurement Sensors	7/1/2006	9/30/2006	2	\$15,000

		(NASA)						
Blotter, Jonathan	w/ Sommerfeldt, Scott	Utah State COE	Acoustics Research	7/1/2006	6/30/2007	3	\$8,333	
Blotter, Jonathan	w/ Gee, Kent	STI Technologies	Energy-based Acoustic Measurement Sensors	6/2/2006	4/30/2008	2	\$3,750	
Blotter, Jonathan	w/ Sommerfeldt, S	NSF	Development of Acoustic Energy Concepts	6/23/2006	5/31/2007	1	\$30,837	
Bons, Jeffrey		AFOSR	Integrated Flow Control Devices for Turbines	1/1/2004	12/31/2006	1	\$60,137	
Bowman, Jerry	w/ McLain, Tim	Utah State COE	Unmanned Air Vehicle	7/1/2006	6/30/2007	3	\$27,731	
Chase, Kenneth	w/ Nietschmann , Troy (undergrad)	NIST	NIST SURF Program, Boulder, CO	5/22/2006	8/11/2006	1	\$6,750	
Chase, Kenneth		LDS Church	Wheelchair Testing and Evaluation Program	5/15/2006	8/31/2006	4	\$3,940	
Howell, Larry	w/Magleby, Spencer	TaylorMade Adidas	Abaqus Software for Product Research	12/17/2004	4/30/2007	4	\$10,863	
Howell, Larry		Nokia	Development of compliant Mechanisms	5/31/2005	12/31/2005	4	\$2,500	
Jensen, Greg		Pratt & Whitney	Automation of Turbine Hot Gas Part Design & Analysis	11/7/2005	12/31/2006	4	\$30,000	
Jensen, Greg		Pratt & Whitney	Development of Machine Tools	1/13/2006	1/27/2006	4	\$12,000	
Jensen, Greg		Pratt & Whitney	Hollow Fan Blade Tool Development	2/25/2005	12/31/2006	4	\$18,270	
Jensen, Greg		Pratt & Whitney	Task 30: Flowpath Assembly Tool	11/20/2006	12/31/2010	4	\$75,000	
Jensen, Greg		Pratt & Whitney	Task 31: Research & Development Tools	1/25/2006	6/30/2007	4	\$20,000	
Jensen, Greg		Pratt & Whitney	Task 32: Research & Development of Machining Tools	1/25/2006	6/30/2007	4	\$20,000	
Jensen, Greg		Pratt & Whitney	Parametric Optimization - Task #33	7/19/2006	12/31/2006	4	\$27,000	
Jones, Matt	w/ Maynes, Daniel	General Electric	Coal Gasification Technology	1/1/2006	12/31/2008	4	\$26,250	
Magleby, Spencer		TaylorMade-Adidas	Abaqus Software for Product Research	12/17/2004	4/30/2007	4	\$10,862	
Magleby, Spencer	w/ Howell, Larry	Nokia	Development of Compliant Mechanisms	5/31/2005	12/31/2005	4	\$2,500	
Maynes, Daniel		Concepts NREC	Centrifugal Flow Impellers	1/1/2005	12/31/2006	4	\$39,753	
Maynes, Daniel		Concepts NREC	Performance, Prediction, Analysis of Centrifugal Flow	1/1/2005	12/31/2006	4	\$8,041	
Maynes, Daniel		Sonic Innovations	Prediction & Removal of Moisture in Confined Spaces	10/1/2006	7/31/2007	4	\$21,900	
Maynes, Daniel		Concepts NREC	Design Tools for Centrifugal Flow Machine	10/1/2006	12/31/2007	4	\$44,169	
Maynes, Daniel		General Electric	Coal Gasification Technology	1/1/2006	12/31/2008	4	\$26,250	
McLain, Tim		AFOSR	Cooperation and Consensus Seeking Vehicles	4/1/2004	6/30/2007	1	\$59,968	
McLain, Tim	w/ Goodrich, Michael	NSF	REU Supplement - UAV-Enabled Wilderness Search & Rescue	11/1/2005	10/31/2008	1	\$4,000	
McLain, Tim	w/ Beard, Randy	Scientific Systems(NASA))	Autonomous Surveillance of Forest Fires Using Cooperatives of UAV's	5/23/2005	5/22/2007	1	\$41,500	
McLain, Tim		Utah COE	Unmanned Air Vehicles	7/1/2006	6/30/2007	3	\$27,731	
McLain, Tim	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Miniature Air Vehicles	7/3/2006	8/31/2007	1	\$50,724	
Nelson, Tracy		JFE Steel	Friction Stir Processing Industry Co-op	9/1/2004	8/31/2009	4	\$17,500	
Nelson, Tracy		Mitsubishi	Friction Stir Processing Industry Co-op	9/1/2004	8/31/2009	4	\$17,500	
Nelson, Tracy		Hitachi	Friction Stir Processing Industry Co-op	9/1/2004	8/31/2009	4	\$35,000	
Nelson, Tracy		Toshiba	Friction Stir Processing Industry Co-op	9/1/2004	8/31/2009	4	\$8,750	
Nelson, Tracy		NSF	Friction Stir Processing	9/1/2004	8/31/2007	1	\$25,000	
Nelson, Tracy		ONR	Fundamental Studies Supporting Creation of High Integrity Weldments	6/15/2006	6/30/2007	1	\$567,500	
Nelson, Tracy		JFE Steel Co.	Friction Stir Industry Industrial Consortium	9/1/2004	8/31/2009	4	\$8,750	
Nelson, Tracy		SKB Sweden	Friction Stir Industry Industrial Consortium	9/1/2006	8/31/2009	4	\$8,750	
Nelson, Tracy		JFE Steel Corp	Friction Stir Processing Research Center	1/1/2006	12/31/2006	4	\$17,255	
Nelson, Tracy		Hitachi, LTD.	Friction Stir Processing Research Center	1/1/2006	12/31/2006	4	\$10,794	
Nelson, Tracy		Toshiba, Corp.	Friction Stir Processing Research Center	1/1/2006	12/31/2006	4	\$10,006	
Nelson, Tracy		Mitsubishi Heavy Industries	Friction Stir Processing Research Center	1/1/2006	12/31/2006	4	\$10,006	
Snyder, Deryl	w/ McLain, Tim	Utah State COE	Unmanned Air Vehicle	7/1/2006	6/30/2007	3	\$27,731	
Sorensen, Carl	w/ Nelson, Tracy	NSF	Friction Stir Processing	9/1/2004	8/31/2007	1	\$25,000	
Sorensen, Carl	w/ Nelson, Tracy	ONR	Fundamental Studies Supporting Creation	7/1/2006	4/14/2007	1	\$567,500	

Thomson, Scott		Purdue (NIH)	of High Integrity Weldments Synthetic and Computational Multi-Layer Self-Oscillating Vocal Fold Models	11/1/2005	6/30/2007	2	\$34,150
Todd, Robert		Polaris	Wear Resistance of Continuously Variable Transmission	3/15/2006	12/31/2006	4	\$34,175
Todd, Robert		KAPL (NIH)	High Temp. Liquid Flow Meter	10/15/2005	4/30/2006	4	\$35,250
Todd, Robert		CO School of Mines (NSF)	Pilot Manufacturing Processes	1/1/2006	12/31/2006	2	\$3,000
Todd, Robert		Vernier Technologies	Positive Displacement Infinitely Variable Transmission	6/9/2006	12/31/2007	4	\$110,000
Tree, Dale	w/ Maynes, Daniel	General Electric	Coal Gasification Technology	1/1/2006	12/31/2008	4	\$26,250
Tree, Dale	w/ Baxter, Larry	General Electric	Coal Gasification Technology Development	1/1/2006	12/31/2008	4	\$122,500
Tree, Dale		Aire Liquide	A Mechanistic Investigation of Nitrogen Evolution and Corrosion with OxyCombustion	9/1/2005	8/31/2008	4	\$3,334
Webb, Brent		USDA Forest Service	Advanced Radiation Modeling for Flames in Wildlands	8/8/2003	8/8/2008	1	\$98,987
School of Technology							
Lunt, Barry		Texas Capital Semiconductor	TCS Research	1/1/2006	8/25/2006	4	\$5,920
Lunt, Barry		Texas Capital Semiconductor	TCS Research	1/1/2006	8/25/2006	4	\$80

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

Department Totals	
Chemical Engineering	\$2,416,302
Civil & Environmental Engineering	\$3,084,387
Electrical & Computer Engineering	\$4,749,940
Mechanical Engineering	\$2,812,697
School of Technology	\$6,000
College Total:	\$13,069,326

Engineering & Technology

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
AFOSR	3	\$243,073
Army RDECOM	1	\$45,000
Army WES	9	\$1,316,500
ARO	1	\$118,750
DOE	1	\$220,000
Edwards AFB	2	\$376,901
LANL	5	\$178,556
NASA	1	\$210,000
NASA (NOAA)	1	\$82,889
NAVY	1	\$112,300
NIH	3	\$355,690
NIST	1	\$6,750
NOAA	2	\$60,000
NSF	13	\$2,374,536
ONR	1	\$1,135,000
Sandia National Labs	4	\$223,668
Scientific Systems (NASA)	1	\$83,000
The National Academies	1	\$499,758
USDA	1	\$140,048
USDA Forest Service	1	\$98,987
Total	53	\$7,881,406
Subcontracts		
Colorado School of Mines (NSF)	1	\$3,000
Eglin AFB	1	\$20,000
IPTEK (DOD)		\$
Johns Hopkins (NIH)	1	\$43,418
JPL (NASA)	4	\$223,002
JPL (NSF)	1	\$87,002
Lawrence Berkely Lab	1	\$147,000
Oklahoma State (USDA)	1	\$72,404
Oklahoma State (DOE)	1	\$41,000
Oklahoma State (JPL)	1	\$25,303
Purdue University (NIH)	1	\$34,150
Raytheon (DARPA)	2	\$125,000
Sandia National Labs	3	\$94,000
SEA (ONR)	3	\$88,000

Engineering & Technology Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Subcontracts, cont.		
STI Technologies	2	\$18,750
U of Colorado (NASA)	1	\$137,316
U of Utah (DOE)	3	\$273,750
U of Utah (NASA)	1	\$50,000
UAH (NSF)	1	\$3,832
UC Santa Cruz	2	\$166,160
UC Santa Cruz (NIH)	1	\$122,760
UCSD (ARO)	1	\$131,394
URS Corp (Hill AFB)	1	\$20,000
USU (USGS)	1	\$6,667
USU (NASA)	2	\$221,675
USU (NSF)	1	\$141,891
Total	38	\$2,282,884

State

Brigham City	1	\$16,184
UDOT	9	\$495,732
Utah State COE	3	\$296,987
Total	13	\$808,903

Private

ACTR	1	\$38,600
Aire Liquide	3	\$10,000
ATK/Thiokol	2	\$50,000
Concepts NREC	3	\$91,963
DIPPR	2	\$305,000
General Electric	2	\$455,000
Harris Corp.	2	\$35,000
Headwaters Energy Svcs.	1	\$20,000
Hitachi	2	\$45,794
INSUL-FLO	1	\$16,000
Intermap	1	\$24,153
JFE Steel	3	\$43,505
KAPL (NIH)	1	\$35,250
LDS Church	1	\$3,940
Lockheed Martin	1	\$50,000
Mitsubishi	2	\$27,506
MSDPO	2	\$18,000
Nokia Research Center	1	\$5,000
Polaris Corp	1	\$34,175

Portland Cement	1	\$120,000
Pratt & Whitney	7	\$202,270
Procerus Technologies	1	\$12,900
Rocky Mountain Cement Council	1	\$8,000
SKB Sweden	1	\$8,750
Sonic Innovations	1	\$21,900
Stanford Consortium	1	\$93,000
TaylorMade-Adidas	1	\$21,725
Texas Capital Semiconductor	2	\$6,000
Toshiba	2	\$18,756
Trafficon	1	\$163,946
Vernier Technologies	1	\$110,000
Total	50	\$2,096,133