

AEROSPACE ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-014	13-Jul-01	Yu, Kenneth	ONR	Combustion Control Colloquium	10/1/01	9/30/03	\$29,592	\$ 29,592.00
		Shapiro, Benjamin	NSF	CAREER: Towards Micro-Fluidic Systems:Modeling	10/1/01	9/30/05	\$375,000	\$ 404,592.00
02-032	23-Jul-01							
02-033	23-Jul-01	Cadou, Christopher	NSF	CAREER: Fuel-Air Mixing and Combustion in Micro Channels	10/1/01	9/30/05	\$375,000	\$ 779,592.00
02-035	23-Jul-01	Atkins, Ella	NSF	CAREER: Autonomous Formation Management for Cooperative...	10/1/01	9/30/05	\$375,000	\$ 1,154,592.00
02-037	23-Jul-01	Atkins, Ella	ISL	Navigation Using Ambient Noise Imaging (NUANI)	10/1/01	12/31/02	\$150,000	\$ 1,304,592.00
02-059	6-Aug-01	Atkins, Ella	NASA	Precise Virtual Rigid Body Control of a Satellite	1/10/01	9/30/02	\$82,630	\$ 1,387,222.00
02-076	13-Aug-01	Chopra, Inderjit	NSWC	Methodology Advancements for Helicopter Rotor System	1/9/01	8/31/02	\$105,440	\$ 1,492,662.00
02-083	16-Aug-01	Wereley, Norman	ARO	Instrumentation for Micro Air Vehicles	1/10/01	9/30/02	\$180,425	\$ 1,673,087.00
02-085	20-Aug-01	Cadou, Christopher	Air Force	Instrumentation for Micro-Combustion	1/4/02	3/31/03	\$176,775	\$ 1,849,862.00
02-102	30-Aug-01	Wereley, Norman	AFOSR	Magnetorheological Phenomenon in Iron-Based Ferrofluids	1/10/01	12/31/01	\$10,000	\$ 1,859,862.00
02-117	7-Sep-01	Wereley, Norman	SPA/MIPS	MIPS - Damper Technology for Shock...Non-Disclosure Agree	7/9/01	5/23/04	\$0	\$ 1,859,862.00
02-133	20-Sep-01	Akin, David	Electric Boat	Unmanned Undersea Logistics Systems for the Defence	1/11/01	1/31/02	\$10,000	\$ 1,869,862.00
02-134	20-Sep-01	William Fournay	Office of Naval Research	Surface and Beachzone Breaching by Explosive Channeling	1/10/01	9/30/02	\$50,000	\$ 1,919,862.00
02-137	21-Sep-01	Pines, Darryll	NASA	Validation of Vibration Separation and Diagnostic...	11/26/01	5/25/02	\$40,000	\$ 1,959,862.00
02-153	28-Sep-01	Baeder, James	ZONA Technology	Investigation of Three-Dimensional Unsteady Transonic...	1/10/01	10/31/01	\$2,200	\$ 1,962,062.00
02-167	5-Oct-01	Wereley, Norman	SPA	MR Damper Technology (MIPS)	2/2/02	2/1/03	\$ 150,000.00	\$ 2,112,062.00
02-169	8-Oct-01	Wereley, Norman	Newport News Shipbuilding	Newport News Shipbuilding Non-Disclosure Agreement	10/1/01	9/30/03	\$ -	\$ 2,112,062.00
02-174	10-Oct-01	Pines, Darryll	NSF	Health Monitoring of 2-D Structures...	3/1/02	2/28/04	\$ 240,000.00	\$ 2,352,062.00
02-181	11-Oct-01	Vizzini, Anthony	MIPS	Airframe Health Monitoring...	2/1/02	1/31/03	\$ 66,000.00	\$ 2,418,062.00
02-191	15-Oct-01	Pines, Darryll	MIPS	Loccst UAV/MIPS (Phase 2)	2/1/02	1/31/03	\$ 150,000.00	\$ 2,568,062.00
02-194	15-Oct-01	Vizzini, Anthony	MIPS	Low-Cost, High Volume Bladder Forming of Composite	3/1/02	2/28/03	\$ 70,000.00	\$ 2,638,062.00
02-196	16-Oct-01	Carignan, Craig	MIPS	Smart Medical Robot for Pediatric Clinic-Based Rehab	2/1/02	1/31/03	\$ 70,000.00	\$ 2,708,062.00
02-202	18-Oct-01	Lee, Sung	NASA	Finite Rstation Analysis	2/1/02	1/31/03	\$ 100,000.00	\$ 2,808,062.00
02-206	19-Oct-01	Vizzini, Anthony	US Army Research Lab	Strain-Rate Dependent constitutive and Strength Models	11/1/01	10/31/02	\$ 92,000.00	\$ 2,900,062.00
02-220	25-Oct-01	Gupta, Ashwani; Lewis, Mark	NASA	Turbine-Based Combined-Cycle Exoskeletal Engines	1/1/02	12/31/03	\$ 180,000.00	\$ 3,080,062.00
02-222	26-Oct-01	Atkins, Ella	ONR	Autonomous Formation Management	6/1/02	5/31/05	\$ 310,000.00	\$ 3,390,062.00
02-250	1-Nov-01	Shapiro, Benjamin	UCLA	Modeling Surface Tension for Device Design	1/1/02	12/31/03	\$ 186,750.00	\$ 3,576,812.00

CIVIL AND ENVIRONMENTAL ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-005	9-Jul-01	Nelson, Donna C.	MD State Highway Administration	MUTCD Training Coordination	7/2/01	6/30/02	\$20,031	\$20,031
02-011	12-Jul-01	Schwartz, Charles W.	MD Depart of Transportation	Technical Support for Ride Quality Specification	7/1/01	2/28/02	\$51,395	\$71,426
02-012	12-Jul-01	Schwartz, Charles W.	Montana State University	Material Characterization for Pavement Test Sites	8/1/01	12/31/01	\$34,873	\$106,299
02-022	18-Jul-01	Tseng, Chung-Li	NSF	CAREER: Analysis of Generation Capacity Expansion in	7/1/02	6/30/07	\$374,998	\$481,297
02-026	20-Jul-01	Frankle, Kathleen	Maryland SHA	NHI Hosting	8/1/01	7/31/03	\$26,393	\$507,690
02-043	23-Jul-01	Anisimov, Mikhail	NSF	Experimental Study of Coupled Critical Fluctuations	1/1/02	12/31/05	\$617,784	\$1,125,474
02-044	23-Jul-01	Nelson, Donna C.	MD State Highway Administration	National Capital Region Incident Mgt. Conference	7/19/01	3/31/02	\$28,849	\$1,154,323
02-046	23-Jul-01	Aydilek, Ahmet	NSF	CAREER: Effectiveness of	7/1/02	7/1/07	\$374,978	\$1,529,301
02-060	7-Aug-01	Torrents, Alba	NSF	Developing New Methods to Predict the Fate of Agrochemicals in the Chesapeake Bay Watershed	1/10/01	9/30/02	\$10,600	\$1,539,901
02-063	8-Aug-01	Nelson, Donna C.	Maryland State Highway Administration	National Capital Region Incident Mgt. Conference	7/19/01	3/31/02	\$28,849	\$1,568,750
02-065	8-Aug-01	Nelson, Donna C.	Maryland SHA	An Internet-Based Signal Timing	5/1/01	11/1/01	\$5,000	\$1,573,750
02-074	10-Aug-01	Nelson, Donna C.	Maryland SHA	Lessons Learned: Applying Distance Learning to T2	4/15/00	11/30/00	\$4,200	\$1,577,950
02-094	27-Aug-01	Albrecht, Pedro	Federal Highway Administration	Fracture Toughness and HPS Steel	1/10/01	9/30/02	\$63,760	\$1,641,710
02-099	28-Aug-01	Schonfeld, Paul	MDOT	Noise Impacts for BWI Development Options - Task 2a	8/31/01	9/11/01	\$15,000	\$1,656,710
02-108	4-Sep-01	McCuen, R. H.	NSF	Graduate Fellows for SMET Education	1/8/02	7/30/05	\$1,299,745	\$2,956,455
02-109	4-Sep-01	Chang, Gang-Len	SHA	Development of Applied Technologies for Traffic Operations	1/11/01	10/31/02	\$100,301	\$3,056,756
02-113	5-Sep-01	Cable, John H.	Gerald Poggi	SP907B4M: Prepare and Deliver Project Management Classes	9/28/01	9/27/02	\$30,190	\$3,086,946
02-120	11-Sep-01	Frankle, Kathleen	California Department of Transportation	Caltrans - CITE Courses	1/10/01	9/30/02	\$31,500	\$3,118,446
02-126	17-Sep-01	Schonfeld, Paul	NSF	Facility Location Using Distributed Artificial Intelligence	1/3/02	8/31/03	\$49,900	\$3,168,346
02-128	18-Sep-01	Davis, Allen P.	MD State Highway Administration	Grassed Swale Pollutant Removal Efficiency Studies	1/11/01	10/31/02	\$50,000	\$3,218,346
02-135	20-Sep-01	Nelson, Donna C.	MD State Highway Administration	Evaluation of Snowplowable Raised Pavement Market Soc	1/10/01	9/28/02	\$12,826	\$3,231,172
02-138	24-Sep-01	Chang, Gang-Len	State Highway Administration	Simulation to Improve ITS Operations	1/12/01	11/30/02	\$100,301	\$3,331,473
02-143	25-Sep-01	Frankle, Kathleen	Maryland SHA	Maryland SHA Operator Course	1/9/02	8/30/02	\$24,999	\$3,356,472
02-156	1-Oct-01	Chang, Gang-Len	SHA	Relationship Between Congestion Levels and Accident Rates	12/1/01	11/30/02	\$ 78,010.00	\$3,434,482
02-164	5-Oct-01	Nelson, Donna C.	Federal Highway Administration	DTFh61-02-R-003 Highway Safety Training	1/1/02	1/1/07	\$ -	\$3,434,482
02-172	8-Oct-01	Ayyub, B.	AFOSR	Ignorance Analysis for Discovery and Knowledge Construct	11/15/01	11/14/02	\$ 25,000.00	\$3,459,482
02-185	11-Oct-01	Austin, M	NSF	Methodologies and Platforms for System-Level Development of Surface Transportation Svstems	5/1/02	4/30/05	\$ 390,676.00	\$3,850,158
02-195	16-Oct-01	Schwartz, Charles W.	MD Dept of Transportation	Technical Support: 2nd Symposium on Stone Matrix Asphalt Pavements	10/1/01	5/15/02	\$ 20,307.00	\$3,870,465
02-199	17-Oct-01	Nelson, Donna C.	MD SHA	Transportation Technical Assistance and Research Support	1/1/02	12/31/04	\$ 200,000.00	\$4,070,465
02-211	22-Oct-01	Schonfeld, Paul	MD DOT	Noise Impacts for BWI Development Options - Task 3	11/10/01	8/31/02	\$ 62,969.00	\$4,133,434
02-216	23-Oct-01	Frankle, Kathleen	MD SHA	Operate and Maintain I-95 Corridor Coalition Website	12/1/01	11/30/02	\$ 10,500.00	\$4,143,934
02-221	25-Oct-01	Erhman, Sheryl	Office of Naval Research	Magenetic Iron Oxide/Silica Nanoparticles	6/1/02	5/31/05	\$ 405,372.00	\$4,549,306
02-161	1-Nov-01	Lovell, D	NSF	Observation and Modeling of Nanobility in Car-Following	1/1/02	12/31/03	\$ 143,555.00	\$4,692,861

CHEMICAL ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-019	13-Jul-01	Barbari, Timothy A.	Princeton University	Development of finely Discretized for Simulation	8/17/01	8/15/03	\$72,209	\$72,209
02-007	11-Jul-01	Adomaitis, Raymond	FMC	Methallyl Chloride Process Intensification Project	8/1/01	7/31/02	\$78,930	\$ 151,139.00
02-084	20-Aug-01	Barbari, Timothy A.	ARO	Thermal Analysis Equipment for the Characterization of Multifunctional	1/4/02	3/31/03	\$155,000	\$ 306,139.00
02-131	19-Sep-01	Barbari, Timothy A.	NSF	REU site: Molecular and Cellular Bioengineering	1/4/02	3/31/06	\$611,800	\$ 917,939.00
02-121	12-Sep-01	McAvoy, Thomas	Petroleum Research Fund	Model Predictive Statistical Process Control	1/9/02	8/31/05	\$120,000	\$ 1,037,939.00
02-179	11-Oct-01	Bentley, William E.	MIPS	Scaling Down a Manufacturing Process Using...	2/1/02	1/31/03	\$ 55,000.00	\$ 1,092,939.00
02-180	11-Oct-01	Bentley, William E.	MIPS	Production Processes for Taq DNA Polymerase and MMLV-RT	2/1/02	1/31/03	\$ 77,000.00	\$ 1,169,939.00
02-198	16-Oct-01	Greer, Sandra C.	NIH	Thermodynamics and Structure of Polymerizing Actin	7/1/02	6/30/05	\$ 222,000.00	\$ 1,391,939.00
02-201	18-Oct-01	Holoman Pulliman, Tracey R.	American Chemical Society	The Effect of Surfactant Addition on the Anaerobic Degra	9/1/02	8/31/04	\$ 35,000.00	\$ 1,426,939.00
02-204	19-Oct-01	Wang, Nam Sun	US Egypt Joint Board	Economic Glycosylation and Controlled Hydroxylation of Cardiac Glycosides for Medical Purposes	1/1/02	12/31/04	\$ 21,569.00	\$ 1,448,508.00
02-207	19-Oct-01	Barbari, Timothy A.	Johns Hopkins University	Real-Time, Explosive-Specific Chemical Sensors	5/1/02	4/30/05	\$ 289,952.00	\$ 1,738,460.00
02-229	31-Oct-01	Harris, Michael T.	Dept of Commerce /NIST	Studies of the Microstructure of Plasma-Sprayed Deposite	10/26/01	10/25/02	\$ 97,908.00	\$ 1,836,368.00

ELECTRICAL AND COMPUTER ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-001	5-Jul-01	Marcus, Steven I.	BAE Systems	Subcontract to BAE Systems	6/29/01		\$0	\$0
02-002	5-Jul-01	Bhattacharyya, Shurva	Subcontract from U.C. Berkeley	N/A		2 years	\$100,000	\$100,000
02-009	12-Jul-01	Yang, Chia-Hung	National Research Laboratory	Nanometer-Scale Patterns on Quantum Well Structures	6/19/01	12/31/01	\$20,000	\$120,000
02-010	12-Jul-01	Espy-Wilson, Carol	NSF	Acoustic-Phonetic Knowledge and Speed Recognition	1/1/02	12/31/05	\$499,642	\$619,642
02-016	13-Jul-01	Newcomb, Robert	NSF	Remotely Powered Arrays of Active Strain-Gauge Wall Sensors	7/1/01	6/30/02	\$ 100,000.00	\$719,642
02-036	23-Jul-01	Ulukus, Sennur	NSF	Resource Allocation for Maximum Capacity in Wireless Networks	9/1/02	8/31/07	\$398,974	\$1,118,616
02-038	23-Jul-01	Barua, Rajeev	NSF	Synthesis-Assistance and Compilation Software for Embedded Systems	2/1/02	1/31/07	\$388,124	\$1,506,740
02-039	23-Jul-01	Qu, Gang	NSF	Intellectual Property Reuse and Protection in the Re-Use Based	2/1/02	1/31/07	\$383,240	\$1,889,980
02-040	23-Jul-01	Wu, Ming	NSF	CAREER: A Signal Processing Framework for Multimedia Security and Information Protection	2/1/02	1/31/07	\$631,740	\$2,521,720
02-041	23-Jul-01	Horiuchi, Timothy	NSF	CAREER: Neuromorphic VLSI Models of BAT Echolocation: Adaptive	2/1/02	1/31/07	\$500,000	\$3,021,720
02-047	23-Jul-01	Ghodssi, Reza	NSF	CAREER: InP-Based MEMS for Optical Microsystems	2/1/02	0/31/07	\$374,999	\$3,396,719
02-024	19-Jul-01	Ghodssi, Reza	NIST	Fabrication of Kinetically Controlled Polymeric Microfluidic Devices	8/1/01	7/31/02		\$3,396,719
02-057	3-Aug-01	Iliadis, Agis	NASA	Request for Support and Sponsorship for the ISDRS '01	1/10/01	1/31/02	\$3,000	\$3,399,719
02-058	3-Aug-01	Espy-Wilson, Carol	NIH	Studies of Speech Communication	1/9/01	3/31/03	\$95,804	\$3,495,523
02-064	8-Aug-01	Espy-Wilson, Carol	NSF	A Knowledge-Based Speech Signal Representation	9/1/01	12/31/01	\$18,548	\$3,514,071
02-068	9-Aug-01	Espy-Wilson, Carol	University of Cincinnati	Characterization of Hematologic Malignancies by PNA Tech	1/12/01	11/30/06	\$555,942	\$4,070,013
02-071	9-Aug-01	Ghodssi, Reza	ATEC	A Source-Integrated Micro-Cooling Device	1/9/01	2/28/03	\$100,156	\$4,170,169
02-091	23-Aug-01	Baras, John	Army Research Office	Advanced Computational and Visualization Equipment for DoD	10/4/02	3/31/03	\$413,925	\$4,584,094
02-100	28-Aug-01	Liu, Ray	Fujitsu	Location Aware Computing Using Smart Antennas	12/8/01	12/1/01	\$14,510	\$4,598,604
02-101	29-Aug-01	Davis, Chris	Corning, Inc.	Inspection and Analysis of Fiber Optic Equipment	7/25/01	7/25/02	\$23,339	\$4,621,943
02-088	21-Aug-01	Ghodssi, Reza	DOD/ARO	Acquisition of a Chemical Mechanical Planarizer (CMP) Equipment...	1/4/02	3/31/03	\$248,000	\$4,869,943
02-072	9-Aug-01	Levine, William S.	ONR	Simulation Based Design Using CONDUIT for Undersea Vehicles	1/10/01	9/30/04	\$462,329	\$5,332,272
02-147	26-Sep-01	Favardin, Nariman	Lucent	National Technology Alliance	1/10/01	9/30/06	\$0	\$5,332,272
02-152	27-Sep-01	Favardin, Nariman	DOD	Research Support	1/10/01	12/31/01	\$64,922	\$5,397,194
02-122	13-Sep-01	Marcus, Steven I.	NSF	Research Internships in Telecommunications Engineering	1/6/02	5/31/07	\$225,000	\$5,622,194
02-123	14-Sep-01	Shamma, Shihab	NSF	A Computational Model of Auditory Cortex	1/2/02	1/31/05	\$414,552	\$6,036,746
02-125	17-Sep-01	Etienne-Cummings, Ralph	Telcordia	Optical Sensor - Networking for Laser Communications and Atmospheric...	1/10/01	9/30/02	\$140,000	\$6,176,746
02-129	18-Sep-01	Schmidt, Linda	NSF	E-Volving the Open Workshop on Decision-Based Design	1/12/01	11/30/04	\$102,146	\$6,278,892
02-150	26-Sep-01	Abed, Eyad	DARPA	IPA Agreement	1/10/01	9/30/03	\$0	\$6,278,892
02-155	1-Oct-01	Favardin, Nariman	DOP	Research in Optics and Optoelectronics Distinguished Graduate Research Assistant Program	10/1/01	3/31/02	\$ 70,745.00	\$6,349,637
02-161	4-Oct-01	Lovell, David J.	NSF	Observation and Modeling of Variability in Car -following	1/1/02	12/31/03	\$ 143,555.00	\$6,493,192
02-162	4-Oct-01	Yang, Chia-Hung	Dept. of the Navy	Fabrication of Nonometer-Scale Patterns on Quantum well Structures	9/25/01	4/30/02	\$ 15,000.00	\$6,508,192
02-171	8-Oct-01	Lin, H.C.	MIPS/Maryland Semiconductor	Improving wireless Integrated Circuits for High Speed Networks with SiGe	2/1/02	1/31/03	\$ 77,778.00	\$6,585,970
02-176	10-Oct-01	Ramaswamy, Alba Lalitha	MIPS/Accelics	Development of code for the Prediction of Energetics Initiation	2/1/02	1/31/03	\$ 70,000.00	\$6,655,970
02-177	10-Oct-01	Ramaswamy, Alba Lalitha	MIPS/Accelics	Development of Crystal Growth Prediction Code	2/1/02	1/31/03	\$ 70,000.00	\$6,725,970
02-178	10-Oct-01	Blankenship, Gilmer	MIPS/Advanced Acoustic Concepts	Acoustic Signal Processing for Detection and Tracking	2/1/02	1/31/03	\$ 135,000.00	\$6,860,970
02-188	12-Oct-01	Ramaswamy, Alba Lalitha	Office of Naval Research	Prediction of Crystal Morphologies of Energetic Material	1/1/002	12/31/02	\$ 58,313.00	\$6,919,283
02-189	12-Oct-01	Shamma, Shihab	AFOSR	The Geometry of Motion Perception and Actuation	2/1/02	1/31/03	\$ 138,306.00	\$7,057,589
02-200	17-Oct-01	Gomez, Romel D.	NSF-Career	Career: Magnetic Thin Films and Devices	12/1/01	2/29/04	\$ 37,464.00	\$ 7,095,053.00
02-208	22-Oct-01	Yang, Chia-Hung	Wayne State University	Multifunctional nanoscale 3D Imaging and Single electron spin Detection	4/12/01	3/31/06	\$ 422,639.00	\$ 7,517,692.00

02-218	25-Oct-01	La, Richard J.	Office of Naval Research	Stability of MPLS Network and Algorittim Desians for Efficient	5/1/02	4/30/05	\$ 300,000.00	\$ 7,817,692.00
02-219	25-Oct-01	Ulukus, Sennur	Office of Naval Research	Energy Efficient High Capacity Spread Spectrum Wireless Networks	5/1/02	4/30/05	\$ 300,000.00	\$ 8,117,692.00
02-230	31-Oct-01	Makowski, Armand	Maryland Procurement Office	Traffic Modeling and Performance Evaluation Methodologies and Tools for High F	4/1/01	3/31/03	\$ 194,498.00	\$ 8,312,190.00
02-231	31-Oct-01	Makowski, Armand	Maryland Procurement Office	Beyond the Independence reference Model; Modeling Correlations in Web Races an the Desion of Efficient	4/1/01	3/31/03	\$ 194,498.00	\$ 8,506,688.00
02-232	31-Oct-01	Narayan, Prakash	Maryland Procurement Office	Power-Efficient Tranceivers for Wireless ah hoc Networks	4/1/01	3/31/03	\$ 194,498.00	\$ 8,701,186.00
02-215	23-Oct-01	Liu, Ray; Milner, Stuart; Davio, Chris; Shayman, Mark	DoD	Scalable Multilaver Control of Joint Battlespace Networks	5/1/02	4/30/04	\$ 4,357,845.00	\$ 13,059,031.00
02-197	16-Oct-01	Baras, John	Dept. of Defense	Adaptive Networks for Cooperative Herogeneous Organizations Subcontract to UIC Berkely MJRI	5/1/02	4/30/07	\$ 1,250,000.00	\$ 14,309,031.00
02-237	1-Nov-01	Lee, C.	DARPA	Impulse Optoelectronic Networking	1/7/02	6/30/04	\$ 3,874,757.00	\$ 18,183,788.00
02-238	1-Nov-01	Ephremides, A.	NSF	Vertical Protocol Integration in ad-hoc wireless Networks	4/30/02	4/29/05	\$ 1,635,809.00	\$ 19,819,597.00
02-239	1-Nov-01	Liu, K.J. R	NSF	ITR: Secure Multimedia Communications over Heteragenous	4/30/02	4/29/07	\$ 4,855,017.00	\$ 24,674,614.00
02-240	1-Nov-01	Milner, S.	DOD	ITR: Scalable Multilayer Control of Survivable Wireless Networks	4/30/02	4/29/07	\$ 4,333,107.00	\$ 29,007,721.00
02-242	1-Nov-01	Davis, C.	NSF	ITR: DNA Inspired Quantum	4/30/02	4/29/07	\$ 4,926,908.00	\$ 33,934,629.00
02-253	1-Nov-01	Liu, K.J. R	BAE Systems	Low-Power and High-Performance Signal Processing for Wireless	11/15/02	2/17/03	\$ 175,021.00	\$ 34,109,650.00

ENGINEERING RESEARCH CENTER - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-006	10-Jul-01	Hawkins, Ronald W.	TEDCO	Federal Labouratory Partnership Program	7/1/01	6/30/02	\$29,427	\$29,427
02-168	5-Oct-01	Gietka, Paul	MD Dept. Environme nt	Environmental Management Systems Project	9/1/01	12/31/02	\$ 79,758.00	\$ 109,185.00

FIRE PROTECTION ENGINEERING - Proposals for Fiscal Year 2002									
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount	
02-003	6-Jul-01	Quintiere, James	University of Ulster	Collaboration with Fire SERT, University of Ulster	7/15/01	9/15/01	\$17,691	\$17,691	
02-004	6-Jul-01	Quintiere, James	Vtec Laboratories	Scaling for Water Mist Fire Suppression	9/1/00	8/31/01	\$75,739	\$93,430	
02-031	23-Jul-01	Marshall, Andre W.	NSF	Exploring Jet Fragmentation and Atomization for...	7/1/01	6/30/07	\$374,995	\$468,425	
02-042	23-Jul-01	Kashiwagi, Takashi	NASA	Transition from Ignition to Flame Growth under External Radiation in 3-	10/1/01	9/30/05	\$288,855	\$757,280	
02-055	2-Aug-01	Brannigan, Vincient	NSF	Conflict of Interest in Performance-Based Engineering De...	10/1/01	9/30/02	\$87,440	\$844,720	
02-069	9-Aug-01	Mowrer, Frederick W.	CPSC	Ignition Characteristics of Various Fire Indicators	1/9/01	7/31/02	\$9,833	\$854,553	
02-070	9-Aug-01	Mowrer, Frederick W.	NIST	Flammability Characteristics of Wall/Ceiling Finishes	1/10/01	9/30/03	\$150,000	\$1,004,553	
02-098	28-Aug-01	Milke, James A.	Office of Naval Research	Safety Compliance in Legislative Buildings	9/30/01	3/31/02	\$6,550	\$1,011,103	
02-127	17-Sep-01	Mowrer, Frederick W.	NSF	Collecting Perishable Data on World Trade Center	9/18/01	9/17/02	\$15,000	\$1,026,103	
02-132	19-Sep-01	Mowrer, Frederick W.	NSF	World Trade Center Post-Disaster Fire Reconnaissance	9/21/01	9/20/02	\$15,000	\$1,041,103	
02-140	24-Sep-01	Milke, James A.	Edwards Systems Technology	Directional (Broadband) Sound for Use in Evacuation	10/15/01	10/15/02	\$65,072	\$1,106,175	
02-141	24-Sep-01	Milke, James A.	Marrioff Corp. Oy	Performance Analysis of Hi-Fog Fire Protection System	10/31/01	8/31/02	\$25,510	\$1,131,685	
02-163	5-Oct-01	Quintiere, James; Kashiwagi, Takashi, Briber, Robert	FAA W.J. Hughes Technical Center	Flammability Mechanisms in Nanocomposites	1/1/02	12/30/04	\$ 427,753.00	\$1,559,438	
02-209	22-Oct-01	Milke, James A.	Edwards Systems Technoloav	Directional (Broadband) Sound for Use in Evacuation	1/2/02	5/1/02	\$ 21,570.00	\$ 1,581,008.00	
02-210	22-Oct-01	Milke, James A.	Edwards Systems Technology	Addition of Gas Detection to Current Fire Detectors	1/2/02	9/1/03	\$ 129,310.00	\$ 1,710,318.00	
02-227	31-Oct-01	Brannigan, Vincient	NSF	Teaching computerized Models in Fire Protection Engineering	5/15/02	5/15/05	\$ 500,000.00	\$ 2,210,318.00	
02-241	1-Nov-01	Milke, James A.	NIST	Evacuation Barriers in the WTC Tragedy	1/2/02	12/31/02	\$ 72,853.00	\$ 2,283,171.00	

INSTITUTE FOR PLASMA RESEARCH - Proposals for Fiscal Year 2002									
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount	
02-255	1-Nov-01	Granatstein, V.	Calabagas	Depressed Collectors for High Power Gyrotrons	1/1/02	12/31/02	\$ 20,000.00	\$ 20,000.00	

INSTITUTE FOR SYSTEMS RESEARCH - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-024	19-Jul-01	Ghodssi, Reza	NIST	Fabrication of Kinetically Controlled Polymer Microfluidic Devices	8/1/01	7/31/02		\$0
02-015	13-Jul-01	Granatstein, Victor	DOE	Microwave Generation for Magnetic Fusion Energy Applications	1/15/02	1/14/05	\$550,000	\$ 550,000.00
02-017	13-Jul-01	Rubloff, Gary	UMCPF	Agreement between the UMCP foundation and the Institute for Systems Research	7/10/01	7/9/04	\$0	\$ 550,000.00
02-052	0/0/01	Cohen, Avis	Iguana Robotics	An Implantable, Adaptive Pattern Generator for Spinal Cord Microsimulation	3/1/02	9/30/02	\$30,543	\$ 580,543.00
02-007	11-Jul-01	Adomaitis, Raymond	FMC	Methylal Chloride Process Intensification Project	8/1/01	7/31/02	\$78,930	\$ 659,473.00
02-013	13-Jul-01	Nau, Dana	DARPA	Information Push + Pull on the Digital	9/1/01	12/31/03	\$201,016	\$ 860,489.00
02-088	21-Aug-01	Ghodssi, Reza	DOD/ARO	Acquisition of a Chemical Mechanical Planarizer (CMP) Equipment...	1/4/02	3/31/03	\$248,000	\$ 1,108,489.00
02-056	3-Aug-01	Ball, Michael	CSC	Air Traffic Management Models and	1/1/02	6/30/04	\$313,591	\$ 1,422,080.00
02-107	31-Aug-01	Ball, Michael	FAA	National Center of Excellence for Aviation Operations Research (NEXTOR)	1/10/01	1/9/02	\$55,000	\$ 1,477,080.00
02-072	9-Aug-01	Levine, William S.	ONR	Simulation Based Design Using CONDUIT for Undersea Vehicles	1/10/01	9/30/04	\$462,329	\$ 1,939,409.00
02-095	27-Aug-01	Rubloff, Gary	University of Arizona	Proposal to the Center for Environmentally Benign Semiconductor Manufacturing: Integrated ESH Assessment	1/10/01	9/30/02	\$35,018	\$ 1,974,427.00
02-116	7-Sep-01	Nau, Dana	Lockheed Martin Federal Systems	Augmenting Military Situational Awareness Using ASE Based Reasoning and HTN	1/1/02	12/31/06	\$750,000	\$ 2,724,427.00
02-122	13-Sep-01	Marcus, Steven I.	NSF	Research Internships in Telecommunications Engineering (RITE)	1/6/02	5/31/07	\$225,000	\$ 2,949,427.00
02-123	14-Sep-01	Shamma, Shihab	NSF	A Computational Model of Auditory Cortex	1/2/02	1/31/05	\$414,552	\$ 3,363,979.00
02-125	17-Sep-01	Etienne-Cummings, Ralph	Telcordia	Optical Sensor - Networking for Laser Communications and Atmospheric...	1/10/01	9/30/02	\$140,000	\$ 3,503,979.00
02-129	18-Sep-01	Schmidt, Linda	NSF	E-Volving the Open Workshop on Decision-Based Design	1/12/01	11/30/04	\$102,146	\$ 3,606,125.00
02-111	5-Sep-01	Schmidt, Linda	NSF	CAREER: Generative Designer Assistance Tools Supplement	1/8/01	7/31/02	\$35,000	\$ 3,641,125.00
02-149	26-Sep-01	Herrmann, Jeffrey	NSF	Modeling Rescheduling Policies to Improve Manufacturing System Performance	1/7/02	6/30/05	\$455,495	\$ 4,096,620.00
02-121	12-Sep-01	McAvoy, Thomas	Petroleum Research Fund	Model Predictive Statistical Process Control	1/9/02	8/31/05	\$120,000	\$ 4,216,620.00
02-148	26-Sep-01	Nau, Dana	NIST	Ontology-Based Translation	1/10/01	9/30/02	\$47,081	\$ 4,263,701.00
02-150	26-Sep-01	Abed, Eyad	DARPA	IPA Agreement	1/10/01	9/30/03	\$0	\$ 4,263,701.00
02-114	7-Sep-01	Rubloff, Gary	Consumer Product Safety Comm.	New Sensor Technology to Reduce Hazards in Consumer Products	1/11/01	8/31/02	\$108,470	\$ 4,372,171.00
02-175	10-Oct-01	Berenstein, Carlos	NSA	Residues, Commutative Algebra and Number	8/1/02	7/31/04	\$ 84,631.00	\$ 4,456,802.00
02-185	11-Oct-01	Austin, M	NSF	Methodologies and Platforms for System-Level Development of Surface Transportation	5/1/02	4/30/05	\$ 390,676.00	\$ 4,847,478.00
02-189	12-Oct-01	Shamma, Shihab	AFOSR	The Geometry of Motion Perception and	2/1/02	1/31/03	\$ 138,306.00	\$ 4,985,784.00
02-218	25-Oct-01	La, Richard J.	Office of Naval Research	Stability of MPLS Network and Algorithmic Designs for Efficient Resource Usage	5/1/02	4/30/05	\$ 300,000.00	\$ 5,285,784.00
02-219	25-Oct-01	Ulukus, Sennur	Office of Naval Research	Energy Efficient High Capacity Spread Spectrum Wireless Networks	5/1/02	4/30/05	\$ 300,000.00	\$ 5,585,784.00
02-228	31-Oct-01	Baras, John	L-3 Communication Corp.	Non-Disclosure Agreement with L-3 communication Corporation	6/1/01	5/31/03	\$ -	\$ 5,585,784.00
02-215	23-Oct-01	Liu, Ray; Milner, Stuart; Davio, Chris; Shayman, Mark	DoD	Scalable Multilayer Control of Joint Battlespace Networks	5/1/02	4/30/04	\$ 4,357,845.00	\$ 9,943,629.00
02-197	16-Oct-01	Baras, John	Dept. of Defense	Adaptive Networks for Cooperative Heterogeneous Organizations Subcontract to UC Berkely MURI Proposal	5/1/02	4/30/07	\$ 1,250,000.00	\$ 11,193,629.00
02-235	1-Nov-01	Baras, John	Texas Eng. Exp. Station	Non-Disclosure Agreement with Texas Engineering Experiment Station	1/6/01	5/31/03	\$ -	\$ 11,193,629.00
02-244	1-Nov-01	Austin, M	NSF	ITR: Information-Centric Systems Engineering-Multidisciplinary Research and	10/1/02	9/30/07	\$ 4,666,544.00	\$ 15,860,173.00
02-254	1-Nov-01	Baras, John	NASA	Center for Satellite and Hybrid Communications Networks	1/11/01	10/31/02	\$ 1,000,000.00	\$ 16,860,173.00
02-253	1-Nov-01	Liu, K.J. R.	BAE Systems	Low-Power and High-Performance Signal Processing for Wireless Communications	11/15/02	2/17/03	\$ 175,021.00	\$ 17,035,194.00
02-251	1-Nov-01	Schmidt, Linda	NSF	Beyond Process: Assessing Engineering Project Team Roles	1/5/02	4/30/03	\$ 82,117.00	\$ 17,117,311.00

MECHANICAL ENGINEERING - Proposals for Fiscal Year 2002					Start	End	Amount	Total Amount
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-018	13-Jul-01	Osterman, Michael	LG Electronics	LG Electronics NDA	6/1/01	6/1/02	\$0	\$0
02-020	17-Jul-01	DeVoe, Donald L.	NIST	Integrated Silicon/Plastic Microfluidic Gas Sensors	9/1/01	8/31/02	\$49,417	\$49,417
02-021	18-Jul-01	Balaras, Elias	NSF	Turbulence in the Cardiovascular Circulation: Modeling of Flow Effects and Transport Processes Using Direct and Large Eddy			\$375,000	\$424,417
02-023	18-Jul-01	Anand, Davinder	IONAS A/S	Non-Disclosure Agreement with IONAS A/S	7/17/01	7/16/06	\$0	\$424,417
02-025	19-Jul-01	Hristu-Varsakelis, Dimitrios	NSF	CAREER: Resource Allocation in Intelligent Systems	5/1/02	4/30/07	\$374,997	\$799,414
02-027	20-Jul-01	Bruck, Hugh	NSF	CAREER: The Coupling of Material and Stress Distribution in Functional Graded Smart Thin	1/1/02	12/31/06	\$374,995	\$1,174,409
02-028	20-Jul-01	Hau, Bongtae	LG Electronics	LG Electronics NDA	n/a	n/a	\$0	\$1,174,409
02-034	23-Jul-01	Robbins Jr., Donald H.	NSF	Virtual Reality Assisted Development of a Parallel ADAP	7/1/02	7/1/07	\$362,889	\$1,537,298
02-045	23-Jul-01	Balachandran, Bala	ONR	Fiber Optic Sensors for Broadband Pressure Measurements	10/1/01	9/30/04	\$283,105	\$1,820,403
02-050	27-Jul-01	DeVoe, Donald L.	NIST	MEMS Test Structures for Materials Characterizations	9/1/01	8/31/02	\$17,018	\$1,837,421
02-106	0/0/01	Mount, David/Gupta, S. K.	NSF	Geometry in the Presence of Impression: Algorithms and Applications	1/6/02	5/31/05	\$900,000	\$2,737,421
02-061	7-Aug-01	Anand, Davinder	ATEC/ONR	Chip Integrated EHD Cryogenic Cooling System--Phase II	8/15/01	2/15/03	\$64,496	\$2,801,917
02-062	7-Aug-01	Barker, Don	GE	Nondisclosure Agreement Between UMD and GE	7/10/01	7/9/06	\$0	\$2,801,917
02-066	8-Aug-01	Baz, Amr M.	QorTek, Inc	QorTek Isolator Proof of Concept Vibration Tests	1/9/00	1/9/02	\$90,000	\$2,891,917
02-067	8-Aug-01	Pecht, Michael	MD Robotics	End Effector Electronics Unit (EEEU) Life Investigation	1/6/01	10/31/01	\$74,580	\$2,966,497
02-075	10-Aug-01	Han, Bongtae	SRC	Development of Displacement Measurement Techniques for...	1/9/01	8/31/02	\$45,000	\$3,011,497
02-077	13-Aug-01	Jackson, Gregory S.	ATEC, Inc.	Subcontract for ATEC SBIR proposal on Advanced H2 Gen.	1/1/02	1/7/02	\$23,236	\$3,034,733
02-079	15-Aug-01	Buckley, Steve	ONR	Real-Time Minimization of Naval Engine Emissions	1/4/02	3/31/05	\$313,897	\$3,348,630
02-080	15-Aug-01	Buckley, Steve	Systems Planning & Analysis	Ship Structural Health Monitoring Using Fiber Optic Sensing	8/17/01	8/16/02	\$45,000	\$3,393,630
02-087	0/0/01	Sandborn, Peter	Northrop Grumman	NGC-Electronic Parts Obsolescence Initiative (EPOI)	9/15/01	3/14/02	\$61,776	\$3,455,406
02-089	21-Aug-01	DeVoe, Donald L.	Cornell University	Cornell University Idemnification Form			\$0	\$3,455,406
02-090	23-Aug-01	Buckley, Steve	ONR	Characterization System for Energetics and Multi-Phase Reacting Processes	1/4/02	1/4/03	\$421,678	\$3,877,084
02-096	27-Aug-01	Anand, Davinder	NSWC	Center for Energetic Concepts Development	1/7/01	12/31/02	\$120,000	\$3,997,084
02-097	27-Aug-01	Barker, Don	Maryland Procurement Office	Manufacturability and Durability Analysis of Single-Die Bumped Flip Chip Packages	1/10/02	6/30/02	\$49,644	\$4,046,728
02-110	5-Sep-01	Smela, E.	DARPA	Luke Skywalker's Hand (Prosthetics of the Future): Development of an Optical Interface to the Peripheral Nervous System	1/1/02	12/31/06	\$6,023,660	\$10,070,388
02-112	5-Sep-01	Radermacher, R.	Oak Ridge Labs	Utilization of Distributed Energy Resources and Efficient Cooling Options for Next Generation Data Centers and Sewer Farms	1/1/02	12/31/04	\$235,038	\$10,305,426
02-119	10-Sep-01	Jackson, Gregory S.	Ford Motor Company	Thermoelectric Waste Heat Recovery in Future Automobiles	1/12/01	11/30/02	\$120,000	\$10,425,426
02-124	17-Sep-01	Buckley, Steve	NSWC	Center for Energetic Concepts Development - Environmental Measurements for the Confined	9/14/01	1/6/02	\$50,000	\$10,475,426
02-139	24-Sep-01	Ohadi, Michael	OTC - TEDCO	Development of a Micro-Condensor for Source-Integrated Smart Cooling Modules	1/10/01	9/30/02	\$49,950	\$10,525,376
02-146	26-Sep-01	Bruck, Hugh	NSF	Development and Characterization of a Multi-Stage Multi-Piece Molding Process for Making Robust Product Design Selection Under Uncertainty and for Competitive Advantage	8/16/02	8/15/05	\$445,081	\$10,970,457
02-151	27-Sep-01	Azram, S.	NSF	Robust Product Design Selection Under Uncertainty and for Competitive Advantage	1/6/02	5/31/05	\$327,059	\$11,297,516
02-154	28-Sep-01	Ramahi, Omar	NIH	Phased-Array Radar for Breast Cancer Detection	1/6/02	5/30/05	\$1,404,271	\$12,701,787
02-111	5-Sep-01	Schmidt, Linda	NSF	CAREER: Generative Designer Assistance Tools Supplement	1/8/01	7/31/02	\$35,000	\$12,736,787
02-157	2-Oct-01	Haslach, H	NSF	Dynamics and Rapture of Fluid Surrounded Small Biological Membranes under Periodic Internal	3/1/02	2/28/05	\$ 249,850.00	\$12,986,637
02-158	2-Oct-01	Baz, Amr M.	NSF	Piezoelectric Acoustic Compressor for Hybrid	9/1/02	9/1/05	\$ 224,676.00	\$13,211,313
02-159	3-Oct-01	Gupta, A.K	NASA Glenn	Database on Fuel Air Mixing and Combustion for	12/1/01	11/30/02	\$ 118,499.00	\$13,329,812
02-160	3-Oct-01	Balachandran, Bala	NSF	Distributed Sensing for Control of Vibration Trans...	6/1/02	5/31/05	\$ 435,511.00	\$13,765,323
02-165	5-Oct-01	Sandborn, Peter	MIPS	Design of Embedded Computer Systems for Automotive Enviro	2/1/02	1/31/03	\$ 95,753.00	\$13,861,076
02-166	5-Oct-01	Yang, Jackson C.S.	MIPS	Automated Pre-Plating Food Processing Line	2/1/01	1/31/03	\$ 200,000.00	\$14,061,076
02-173	9-Oct-01	Cardenas-Garcia, J.	NSF	Hybrid Analytical/Numerical/Experimental Single Optical Image Inverse approach for Elastic	5/1/02	4/30/05	\$ 403,945.00	\$14,465,021
02-182	11-Oct-01	Sandborn, Peter	MIPS	Design of Embedded Computer Systems for Automotive Enviro	2/1/02	1/31/03	\$ 71,413.00	\$14,536,434
02-183	11-Oct-01	Smela, E.	MIPS	INtraurethral COntinent PROthesis (INCOPRO)	1/1/02	12/31/02	\$ 77,000.00	\$14,613,434
02-184	11-Oct-01	Balachandran, Bala	MIPS	High Performance Loudspeaker Enclosures	2/1/02	12/2/02	\$ 69,703.00	\$14,683,137
02-186	11-Oct-01	Smela, E.	MIPS	A Source-Integrated Micro Cooling Device for High Heat Flux Electronics	2/1/02	1/31/02	\$ 77,000.00	\$14,760,137
02-190	15-Oct-01	Bigio, David	MIPS	Design of Manufacturing of the Op-Center	12/1/01	11/30/02	\$ 59,400.00	\$14,819,537
02-192	15-Oct-01	Piomelli, U	NSF/Georgia Tech	Large eddy simulation of the Flow in a Data-	1/1/02	12/31/05	\$ 298,161.00	\$15,117,698

02-193	15-Oct-01	Jackson, Gregory S.	MD ERC	Loose Cage Seal rotary Valve Engine	1/1/02	12/31/02	\$ 70,000.00	\$15,187,698
02-214	23-Oct-01	Holloway, David	General Dynamics	Hybrid Electric Drivetrain for a Military Vehicle	10/1/01	6/30/02	\$ 250,000.00	\$15,437,698
02-220	25-Oct-01	Gupta, Ashwani; Lewis, Mark	NASA	Turbine-Based Combined-Cycle Exoskeletal Engines	1/1/02	12/31/03	\$ 180,000.00	\$15,617,698
02-225	30-Oct-01	Smela, E.	NSF	Experiment-Based Modeling of conjugated	6/1/02	5/30/05	\$ 348,324.00	\$15,966,022
02-226	30-Oct-01	Jackson, Gregory S.	ONR	Development of Design Models for Hydrogen Catalytic	1/1/02	9/30/02	\$ 50,000.00	\$16,016,022
02-205	19-Oct-01	Jackson, Gregory S.	Colorado School of Mines	ONR MURI Subcontract on Direct Electrochemical Oxidation	5/1/02	4/30/07	\$ 1,359,222.00	\$17,375,244
02-252	1-Nov-01	Radermacher, R.	EPRI	Installation of Capstone Micro-Turbine	1/12/01	2/27/02	\$ 53,576.00	\$17,428,820
02-256	1-Nov-01	McClusky, P.	PRC	Web Based Graduate Course on Mechanical Design of Electronic Systems	1/12/01	8/31/02	\$ 10,000.00	\$17,438,820
02-257	1-Nov-01	McClusky, P.	IEEE	Web Based Graduate Course on Mechanical Design of Electronic Systems	1/12/01	8/31/02	\$ 20,000.00	\$17,458,820
02-251	11/1/101	Schmidt, Linda	NSF	Beyond Process: Assessing Engineering Project Team Roles	1/5/02	4/30/03	\$ 82,117.00	\$17,540,937

MINORITIES IN ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-051	30-Jul-01	Parker, Rosemary	NASA DCES	Diversity Career and Educational Services	8/22/00	8/21/04	\$32,000	\$32,000

MATERIALS AND NUCLEAR ENGINEERING - Proposals for Fiscal Year 2002									
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount	
02-008	11-Jul-01	Oehrlein, Gottlieb	CFD Research Corp	Integrated Gas Phase-Surface Reaction Simulator for Plasma Etch and Chemical Vapor Deposition Process Development	1/1/02	1/31/03	\$60,000	\$60,000	
02-048	24-Jul-01	Wolf, Lothar	Fauske & Assoc. Inc.	Conversion and Archiving of the Data From the Containment Steam Line Break	8/1/01	10/15/01	\$18,500	\$78,500	
02-049	24-Jul-01	Kidder Jr., John N.	NSF	CAREER: Atomic Layer Deposition of Multicomponent Oxides	6/1/02	5/31/07	\$374,715	\$453,215	
02-053	31-Jul-01	Kofinas, Peter	ONR	Acquisition of Equipment System for Development of Polymer Solid State	4/1/01	3/31/02	\$115,000	\$568,215	
02-054	31-Jul-01	Mosleh, Ali	Sciencetech	Guidelines for Quantifying Organizational	9/1/01	2/28/02	\$39,935	\$608,150	
02-095	27-Aug-01	Rubloff, Gary	University of Arizona	Proposal to the Center for Environmentally Benign Semiconductor Manufacturing:	1/10/01	9/30/02	\$35,018	\$643,168	
02-073	10-Aug-01	Martinez-Miranda, Luz J.	ONR	Magnetic Nanoparticles for Manipulation and Control of Biological Processes	1/6/01	5/31/01	\$750,000	\$1,393,168	
02-078	13-Aug-01	Ramesh, R.	DARPA	Robust Low Temperature Integration Technology for Piezoelectric Microsensors	1/10/01	9/30/04	\$1,238,095	\$2,631,263	
02-081	15-Aug-01	Kofinas, Peter	Office of Naval Research	Polymeric Solid State Nanoscale Batteries	1/9/02	8/31/03	\$83,560	\$2,714,823	
02-086	20-Aug-01	Wuttig, Manfred	ONR	Multifunctional X-Ray Diffractometer	1/4/02	3/31/04	\$600,000	\$3,314,823	
02-092	23-Aug-01	Salamanca-Riba, Lourdes	DOD/ONR	Proposal for the Purchase of a Field Emission TEM	1/4/02	5/31/03	\$877,150	\$4,191,973	
02-093	23-Aug-01	Pertmer, Gary	UT-Battelle, LLC	Agreement for Research at the DOE Facilities Managed by UT-Battelle	8/27/01	8/26/02	\$0	\$4,191,973	
02-103	30-Aug-01	Christou, Aris	NASA	Investigation of Surface Contamination Chemistry on Optical Component Surface	1/9/97	4/30/02	\$208,545	\$4,400,518	
02-104	30-Aug-01	Ramesh, R.	ANL	Nanoscale Phenomena in Epitaxial	1/3/01	1/3/02	\$12,600	\$4,413,118	
02-114	7-Sep-01	Rubloff, Gary	Consumer Product Safety Comm.	New Sensor Technology to Reduce Hazards in Consumer Products	1/11/01	8/31/02	\$108,470	\$4,521,588	
02-115	7-Sep-01	Modarres, Mohammed	US NRC	AP 1000 LLOCA Uncertainty Analysis	1/9/01	8/31/02	\$93,313	\$4,614,901	
02-118	10-Sep-01	Takeuchi, Ichiro	NSF	Materials Informaticsd and Combinatorial	1/11/02	10/31/08	\$810,000	\$5,424,901	
02-130	19-Sep-01	Kidder Jr., John N.	NSF	Undergraduate Research in Nanoscale and Biological Materials	4/15/02	4/14/05	\$135,357	\$5,560,258	
02-142	24-Sep-01	Modarres, Mohammed	USDA	Proposal to Establish a University of Maryland - Animal and Plant Health Inspection Service. ISDA Cooperative	1/10/01	1/30/02	\$17,939	\$5,578,197	
02-144	26-Sep-01	Oehrlein, Gottlieb	Semiconductor Research Corp.	Model and Mechanisms of Plasma Surface Interactions and Surface Modification During Plasma Etching of Nanoporous	1/11/01	10/31/04	\$374,994	\$5,953,191	
02-170	8-Oct-01	Bernstein, Joseph	AVSI Cooperative	Methods to Account for Accelerated	9/15/01	9/14/02	\$ 174,700.00	\$6,127,891	
02-217	24-Oct-01	Kofinas, Peter	NIH	Diplaying Isomerically Resolved Sugar Biorecognition	7/1/02	6/30/05	\$ 691,500.00	\$6,819,391	
02-223	26-Oct-01	Modarres, Mohammed	NCR	Improved Methods for Performing Importance Analysis	12/1/01	5/31/01	\$ 26,133.00	\$6,845,524	
02-224	29-Oct-01	Mosleh, Ali	NASA	Simulation Tool	11/15/01	11/14/04	\$ 609,004.00	\$7,454,528	
02-233	31-Oct-01	Ramesh, R.	University of Conn.	for Optimum Properties in functional Oxide Heterostructures	5/2/01	5/5/02	\$ 267,585.00	\$7,722,113	
02-243	1-Nov-01	Salamanca-Riba, Lourdes	NSF	ITR: Verified Teraflop Simulations Integrated, Multiscal	4/1/02	3/30/07	\$ 288,555.00	\$8,010,668	
02-246	1-Nov-01	Gavrilas, M.	National Academy for Nucl. Training	National Academy for Nuclear Training Fellowship Proposal	9/1/02	5/31/03	\$ 14,000.00	\$8,024,668	
02-249	1-Nov-01	Gavrilas, M.	National Academy for Nucl. Training	National Academy for Nuclear Training Fellowship Proposal	9/1/02	5/31/03	\$ 14,000.00	\$8,038,668	

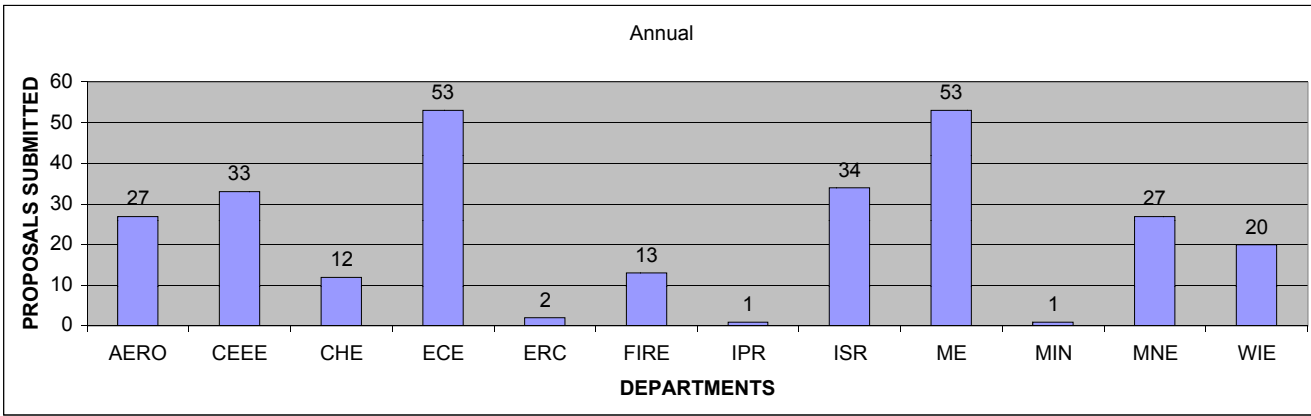
WOMEN IN ENGINEERING - Proposals for Fiscal Year 2002								
Log #	Date	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-212	23-Oct-01	Smith, Paige E.	MD Space Grant Consortium	Keys to Empowering Youth (KEYs)	9/1/01	8/31/02	\$ 1,859.00	\$ 1,859.00
02-213	23-Oct-01	Smith, Paige E.	MD Space Grant Consortium	Women in Engineering Undergraduate Research Fellowship	9/1/01	8/31/02	\$ 9,590.00	\$ 11,449.00
02-234	5-Nov-01	Smith, Paige E.	MD Space Grant Consortium	Engineering = Maryland Community Collaboration (E=MC2)	9/1/01	8/31/02	\$ 5,588.00	\$ 17,037.00

OTHER DEPARTMENTS - Proposals for Fiscal Year 2002									
Log #	Date	Department	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-030	23-Jul-01	IREAP	Orioff, Jon	NSF	Japan-U.S. Workshop on High Resolution Focused Ion Beams	5/1/01	4/30/03	\$19,814	\$19,814
02-029	23-Jul-01	IREAP/ENG	Carmel, Yuval	AFOSR	Physics and Optimization of Pasotron Microwave Sources	12/1/01	11/30/04	\$632,809	\$652,623
02-015	13-Jul-01	IREAP/ISR	Granatstein, Victor	DOE	Microwave Generation for Magnetic Fusion Energy Applications	1/15/02	1/14/05	\$550,000	\$1,202,623
02-052	30-Jul-01	ISR/Biology	Cohen, Avis	Iguana Robotics	An Implantable, Adaptive Pattern Generator for Spinal Cord	3/1/02	9/30/02	\$30,543	\$ 1,233,166.00
02-013	13-Jul-01	ISR/CS	Nau, Dana	DARPA	Information Push + Pull on the Digital Battlefield	9/1/01	12/31/03	\$201,016	\$ 1,434,182.00
02-106	30-Aug-01	CS/ME	Mount, David/Gupta, S. K.	NSF	Geometry in the Presence of Impression: Algorithms and	1/6/02	5/31/05	\$900,000	\$ 2,334,182.00
02-105	30-Aug-01	IREAP/COE	O'Shea, Patrick	Ralph Fiorito/DOE	Optical Phase Space Mapping of Relativistic Charged Particle Beams	1/10/01	3/31/02	\$24,000	\$ 2,358,182.00
02-082	16-Aug-01	IREAP/ENG	Rodgers, John	AFOSR	Experimental System for the Study of Microwave Effects on Electric Circuits	1/4/02	3/31/03	\$351,101	\$ 2,709,283.00
02-056	3-Aug-01	ISR/BMGT	Ball, Michael	CSC	Air Traffic Management Models and Simulations	1/1/02	6/30/04	\$313,591	\$ 3,022,874.00
02-107	31-Aug-01	ISR/BMGT	Ball, Michael	FAA	National Center of Excellence for Aviation Operations Research	1/10/01	1/9/02	\$55,000	\$ 3,077,874.00
02-136	21-Sep-01	CS	Agrawala, Ashok	DARPA	High Data Rate Optical Wireless Communications for Mobile Platforms	1/1/02	1/3/03	\$200,000	\$ 3,277,874.00
02-116	7-Sep-01	CS/ISR	Nau, Dana	Lockheed Martin Federal Systems	Augmenting Military Situational Awareness Using ASE Based Reasoning and HTN Planning	1/1/02	12/31/06	\$750,000	\$ 4,027,874.00
02-148	26-Sep-01	CS/ISR	Nau, Dana	NIST	Ontology-Based Translation	1/10/01	9/30/02	\$47,081	\$ 4,074,955.00
02-145	26-Sep-01	PSYCH	Dooling, Robert	NIH	Core Center	1/7/02	6/30/07	\$3,098,091	\$ 7,173,046.00
02-175	10-Oct-01	ISR/MATH	Berenstein, Carlos	NSA	Residues, Commutative Algebra and Number Theory	8/1/02	7/31/04	\$ 84,631.00	\$ 7,257,677.00
02-187	11-Oct-01	IREAP/ENG	Antonsen, Thomas	NRL	Supplemental to Basic Studies of High Power Millimeter Wave Amplifiers and Associated Technology	10/1/01	9/30/02	\$ 350,000.00	\$ 7,607,677.00
02-203	1-Nov-01	IREAP/ENG	O'Shea, Patrick	ONR	High Average Power, Ultra Short Pulse Free Electron Laser	5/2/02	4/30/07	\$ 7,381,862.00	\$ 14,989,539.00
02-247	1-Nov-01	CS	Roussopoulos, N.	NSF	Collaborative Research: ITR: Data Service Composition in Peer-to-Peer	9/1/02	8/31/07	\$ 1,065,299.00	\$ 16,054,838.00
02-245	1-Nov-01	CS/UMIACS	Varshney, A.	NSF	ITR: Efficient Visualization and Modeling of Uncertainty for Large	10/1/02	9/30/07	\$ 4,768,598.00	\$ 20,823,436.00
02-248	1-Nov-01	UMIACS	Duraswami, R.	NSF	Customizable Audio User Interfaces for the Visually Impaired	10/1/01	9/30/07	\$ 4,787,160.00	\$ 25,610,596.00

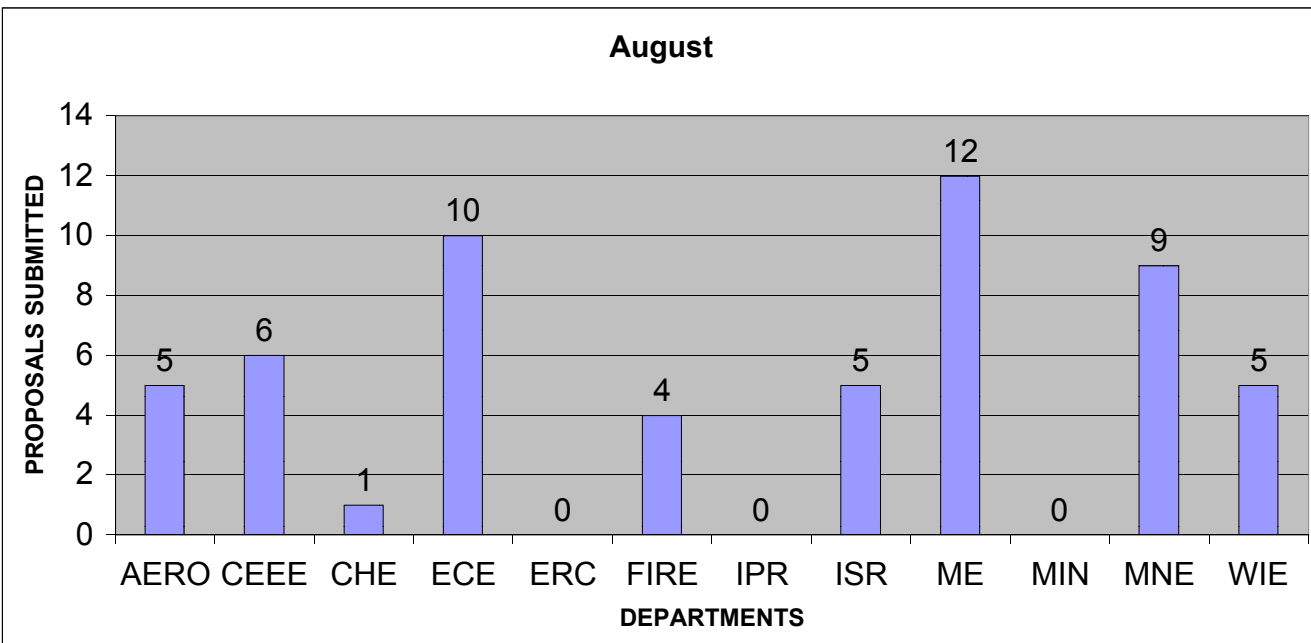
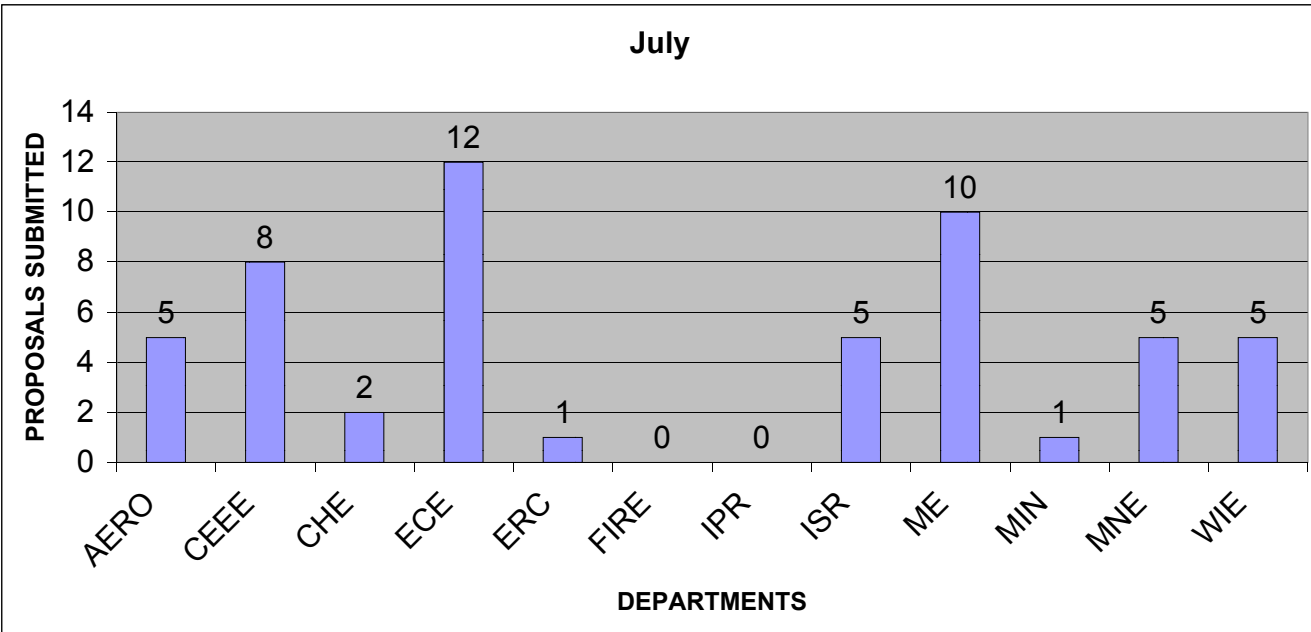
PROPOSALS OVER \$1 MILLION - Proposals for Fiscal Year 2002									
Log #	Date	Department	Investigator	Sponsor	Title	Start	End	Amount	Total Amount
02-197	16-Oct-01	ISR/ECE IREAP/ENG	Baras, John	Dept. of Defense	Adaptive Networks for Cooperative Heterogeneous Organizations Subcontract to UC	5/1/02	4/30/07	\$ 1,250,000.00	\$ 1,250,000.00
02-203	18-Oct-01		O'Shea, Patrick	ONR	High Average Power, Ultra Short Pulse Free Electron Laser	5/2/02	4/30/07	\$ 7,381,862.00	\$ 8,631,862.00
02-205	19-Oct-01	ME	Jackson, Gregory S.	Colorado School of Mines	ONR MURI Subcontract on Direct Electrochemical Oxidation	5/1/02	4/30/07	\$ 1,359,222.00	\$ 9,991,084.00
02-215	23-Oct-01	ECE/ISR CS	Liu, Ray; Milner, Stuart; Davio, Chris; Shayman, Mark	DoD	Scalable Multilayer Control of Joint Battlespace Networks	5/1/02	4/30/04	\$ 4,357,845.00	\$ 14,348,929.00
02-247	1-Nov-01		Roussopoulos, N.	NSF	Collaborative Research: ITR: Data Service Composition in Peer-to-	9/1/02	8/31/07	\$ 1,065,299.00	\$ 15,414,228.00
02-245	1-Nov-01	CS/UMIACS	Varshney, A.	NSF	ITR: Efficient Visualization and Modeling of Uncertainty for Large	10/1/02	9/30/07	\$ 4,768,598.00	\$ 20,182,826.00
02-237	1-Nov-01	ECE	Lee, C.	DARPA	Impulse Optoelectronic	1/7/02	6/30/04	\$ 3,874,757.00	\$ 24,057,583.00
02-238	1-Nov-01	ECE	Ephremides, A.	NSF	Vertical Protocol Integration in ad-hoc wireless Networks	4/30/02	4/29/05	\$ 1,635,809.00	\$ 25,693,392.00
02-239	1-Nov-01	ECE	Liu, K.J.R.	NSF	ITR: Secure Multimedia Communications over	4/30/02	4/29/07	\$ 4,855,017.00	\$ 30,548,409.00
02-240	1-Nov-01	ECE	Milner, S.	DOD	ITR: Scalable Multilayer Control of Survivable Wireless Networks	4/30/02	4/29/07	\$ 4,333,107.00	\$ 34,881,516.00
02-242	1-Nov-01	ECE	Davis, C.	NSF	ITR: DNA Inspired Quantum	4/30/02	4/29/07	\$ 4,926,908.00	\$ 39,808,424.00
02-254	1-Nov-01	ISR	Baras, John	NASA	Center for Satellite and Hybrid Communications Networks	1/11/01	10/31/02	\$ 1,000,000.00	\$ 40,808,424.00
02-248	1-Nov-01	UMIACS	Duraswami, R.	NSF	Customizable Audio User Interfaces for the Visually	10/1/01	9/30/07	\$ 4,787,160.00	\$ 45,595,584.00

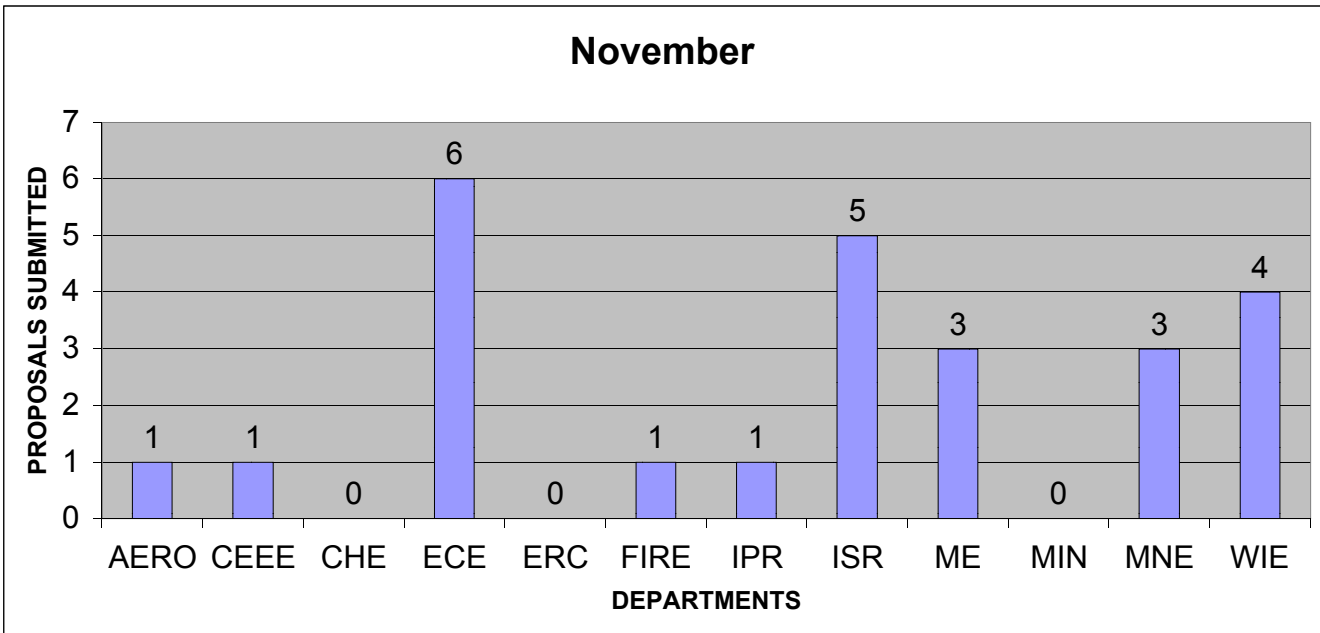
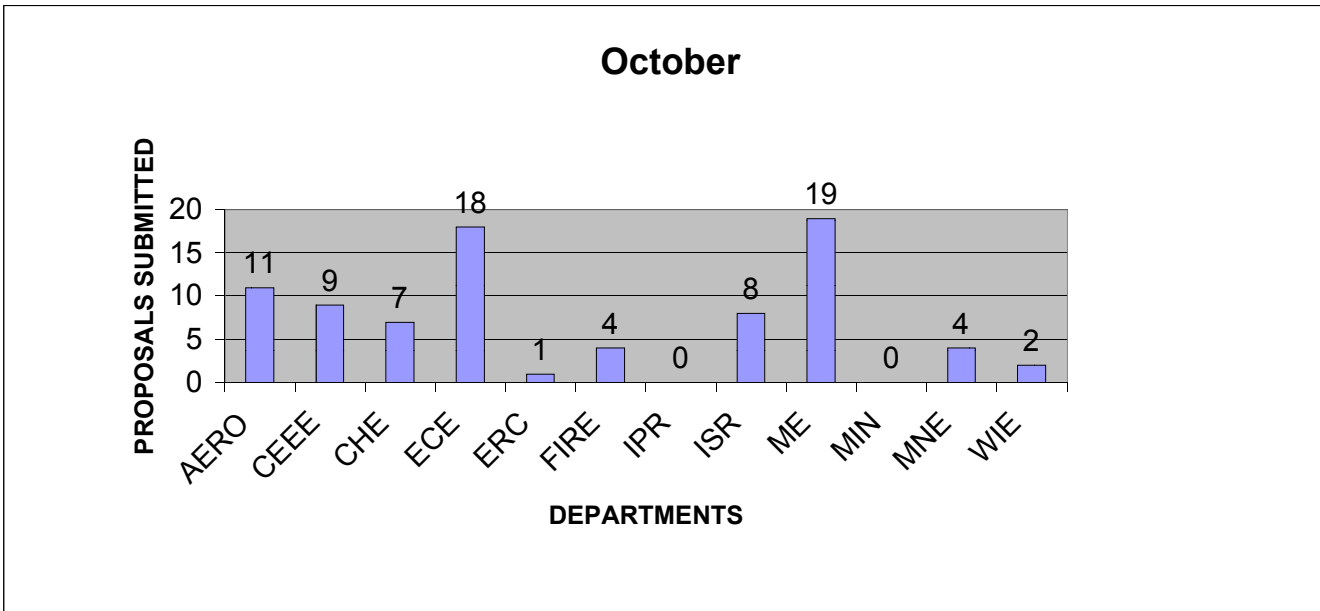
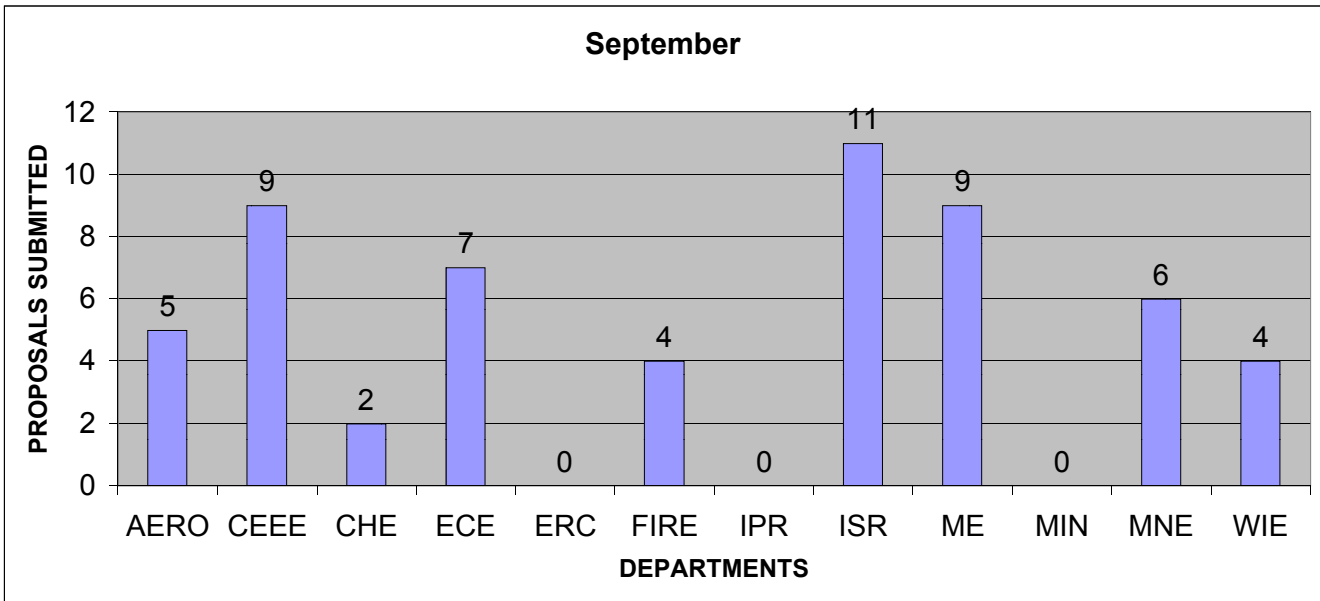
Clark School of Engineering Month Summary							September	October	November	
Annual YTD	July		August		September		October		November	
Department: AERO										
Proposals Submitted:	27	5	5	5	11	1				
Proposals Amount:	\$ 3,390,062.00	\$ 1,304,592.00	\$ 555,270.00	\$ 102,200.00	\$ 1,428,000.00	\$ -				
Department: CEEE										
Proposals Submitted:	33	8	6	9	9	1				
Proposals Amount:	\$ 4,692,860.77	\$ 1,529,301.00	\$ 127,409.00	\$ 1,699,761.77	\$ 1,192,834.00	\$ 143,555.00				
Department: CHE										
Proposals Submitted:	12	2	1	2	7	0				
Proposals Amount:	\$ 1,836,368.00	\$ 151,139.00	\$ 155,000.00	\$ 731,800.00	\$ 798,429.00	\$ -				
Department: ECE										
Proposals Submitted:	53	12	10	7	18	6				
Proposals Amount:	\$ 34,109,650.00	\$ 3,396,719.00	\$ 1,935,553.00	\$ 946,620.00	\$ 8,030,139.00	\$ 19,800,619.00				
Department: ERC										
Proposals Submitted:	2	1	0	0	1	0				
Proposals Amount:	\$ 109,185.00	\$ 29,427.00	\$ -	\$ -	\$ 79,758.00	\$ -				
Department: FIRE										
Proposals Submitted:	13	0	4	4	4	1				
Proposals Amount:	\$ 2,283,171.00	\$ 757,280.00	\$ 253,823.00	\$ 120,582.00	\$ 1,078,633.00	\$ 72,853.00				
Department: IPR										
Proposals Submitted:	1	0	0	0	0	1				
Proposals Amount:	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00				
Department: ISR										
Proposals Submitted:	34	5	5	11	8	5				
Proposals Amount:	\$ 17,086,768.00	\$ 829,946.00	\$ 1,113,938.00	\$ 2,397,744.00	\$ 6,821,458.00	\$ 5,923,682.00				
Department: ME										
Proposals Submitted:	53	10	12	9	19	3				
Proposals Amount:	\$ 16,497,044.00	\$ 1,837,421.00	\$ 1,247,531.00	\$ 8,690,059.00	\$ 4,638,457.00	\$ 83,576.00				
Department: MIN										
Proposals Submitted:	1	1	0	0	0	0				
Proposals Amount:	\$ 32,000.00	\$ 32,000.00	\$ -	\$ -	\$ -	\$ -				
Department: MNE										
Proposals Submitted:	27	5	9	6	4	3				
Proposals Amount:	\$ 7,863,968.00	\$ 608,150.00	\$ 3,804,968.00	\$ 1,540,073.00	\$ 1,594,222.00	\$ 316,555.00				
Department: WIE										
Proposals Submitted:	3	0	0	0	2	1				
Proposals Amount:	\$ 17,037.00	\$ -	\$ -	\$ -	\$ 11,449.00	\$ 5,588.00				
Department: Others										
Proposals Submitted:	20	5	5	4	2	4				
Proposals Amount:	\$ 25,610,596.00	\$ 1,434,182.00	\$ 1,643,692.00	\$ 4,095,172.00	\$ 434,631.00	\$ 18,002,919.00				
Proposals Over \$1M										
Proposals Submitted:	13	0	0	0	4	9				
Proposals Amount:	\$ 45,595,584.00	\$ -	\$ -	\$ -	\$ 14,348,929.00	\$ 31,246,655.00				
Clark School of Engineering										
Proposals Submitted:	289	54	57	57	87	34				
Proposals Amount:	\$ 159,127,256.77	\$ 11,910,157.00	\$ 10,837,184.00	\$ 20,324,011.77	\$ 40,445,490.00	\$ 75,610,414.00				

Total Proposals Submitted for each Month

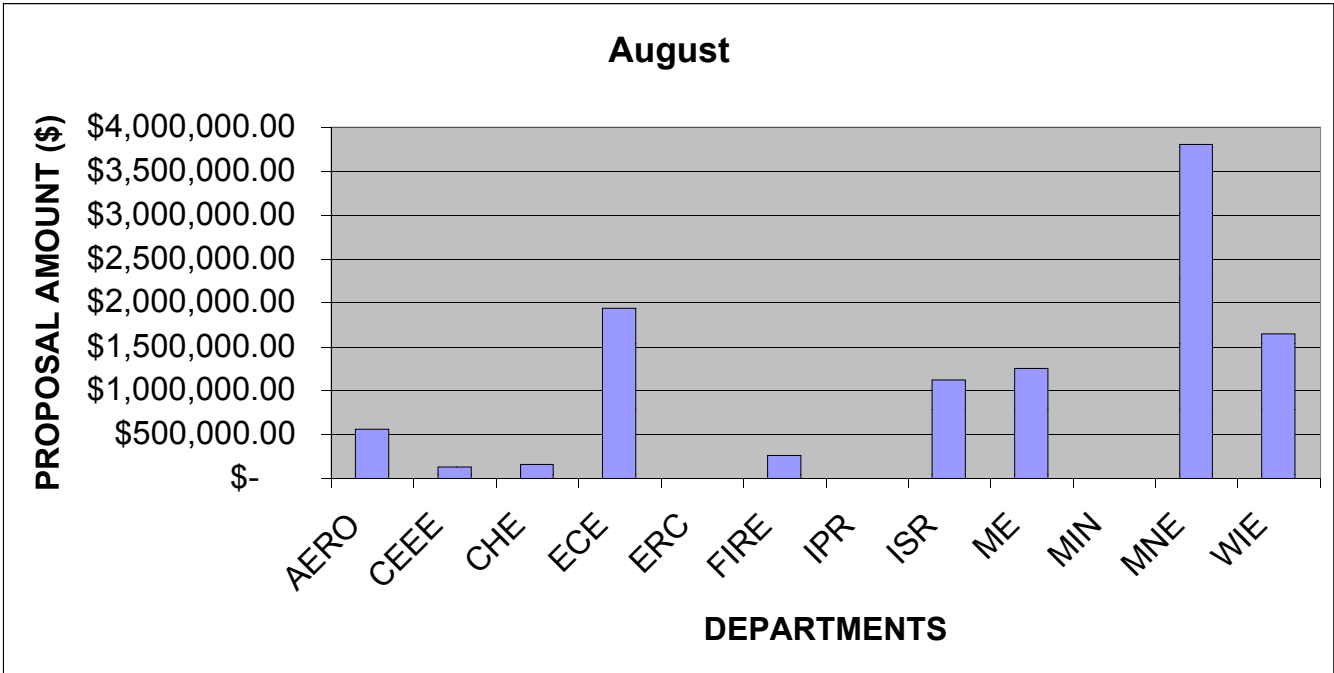
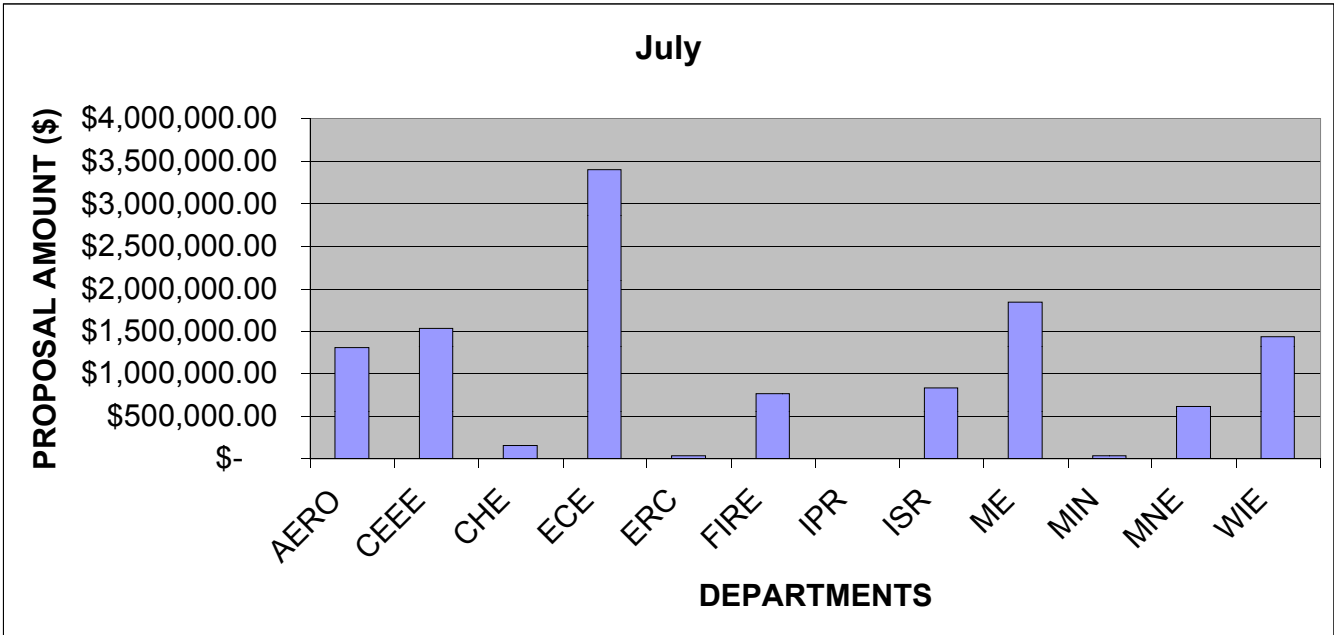
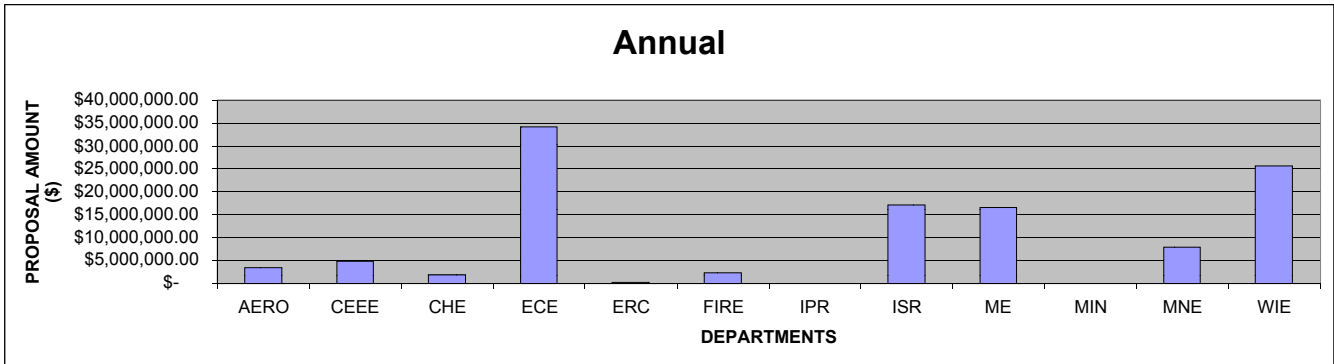


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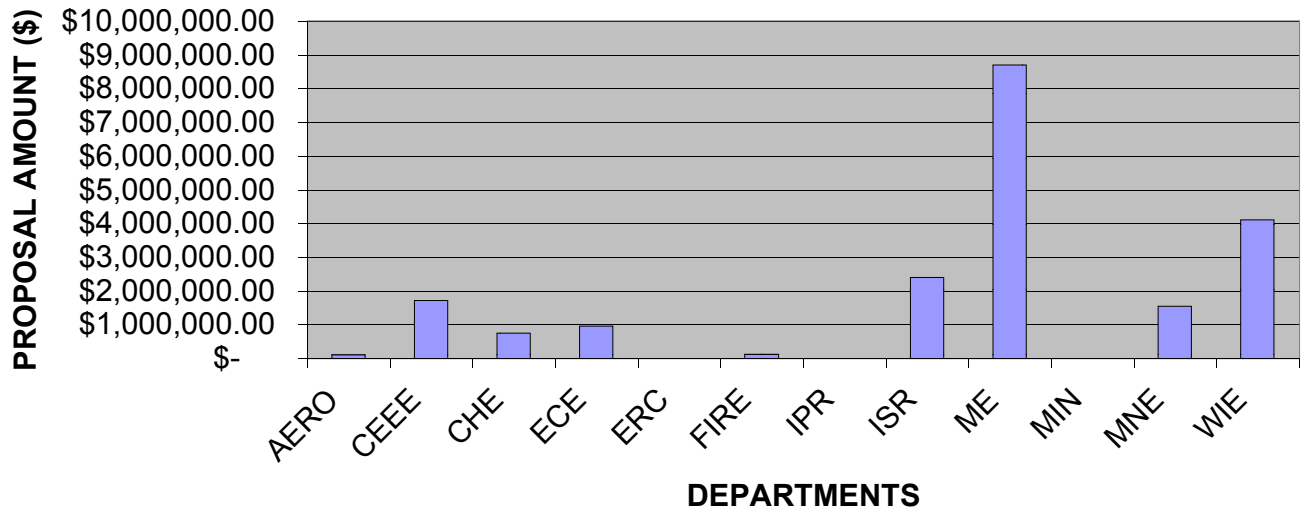




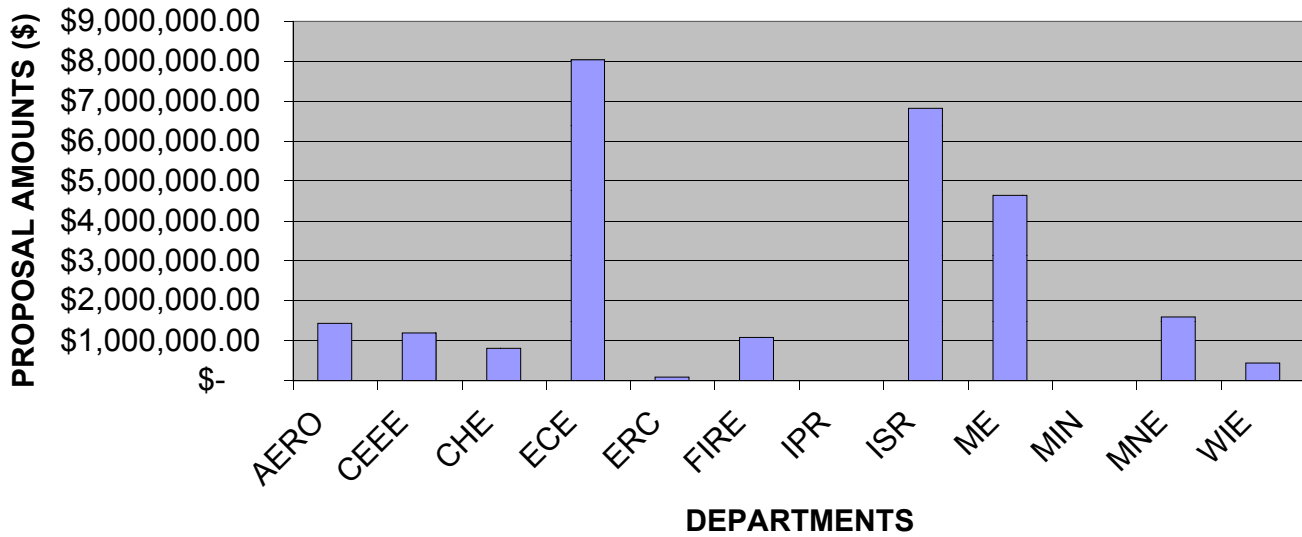
Total Dollar of Proposals



September



October



November

