

REPORT OF PROPOSALS

For the Month of November/2001

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>	
CHEMICAL ENG'G.	Ribeiro, F.	Hyperion Catalysis Int'l	Nanotubes as Catalyst Supports	\$ 1,013	
	DiBiasio, D. *Demetry, C. *Mello, N. *Vaz, R.	NSF	Impact of Study Abroad Experiences on Engineering Students: Development of Assessment Tools	\$ 484,953	
	CIVIL & ENVIRONMENTAL ENGINEERING	Bergendahl, J.	EPA	Development of a Web-Enabled Distance Filtration Experiment	\$ 3,750
		Ray, M.	Texas A&M Univ.	Improved Procedures for Safety Performance Evaluation of Roadside Safety Features.	\$ 47,366
	Ray, M. *Plaxico, C.	Battelle Memorial Institute	Simulation and Analysis of Guardrail Systems Impacted a by 3/4 Ton Pick-Up Truck	\$ 4,994	
COMPUTER SCIENCE	Heineman, G. *Ward, M.	NSF	Laboratory for the Visual Experimental Analysis of Software Behavior and Structure	\$ 429,480	
	Fisler, K.	Brown University	Features as Modules for Scalable Software Construction, Evolution, and Verification	\$ 306,980	
	Wills, C.	NSF	Interactions: A Theme for Exploring the Web	\$ 299,978	
	Fisler, K.	Univ. of Utah	Memory Management for Large State Spaces from Decision Problems	\$ 28,755	

ELECTRICAL & COMPUTER ENGINEERING	Ludwig, R. *Sullivan, J.	NSF	CRCD:Curriculum Development for High-Field Magnetic Resonance Imaging	\$	339,077
	Cyganski, D. *Orr, J. *Michalson, W. *Ludwig, R. *Makarov, S. *McNeill, J.	DARPA	Multi-Carrier UWB Geolocation and Communications	\$	1,301,539
	Nicoletti, D. *Brown, D. *Emanuel, A. *Hakim, H.	NSF	ASA: Using Assessment Information to Enhance Students' Academic Progress	\$	99,976
FIRE PROTECTION ENG'G.	Lucht, D.	FEMA	Accelerating the Use of Fire Science in Attaining Public Safety Goals in State and Local Government.	\$	306,188
MATHEMATICAL SCIENCES	Fehribach, J.	NSF	Analysis for Porous Electrode Microstructure	\$	267,432
	Lurie, K. *Weekes, S.	NSF	An Analytical and Numerical Study of Dynamic Materials	\$	391,800
MECHANICAL ENG'G.	Fofana, M.	NSF	CRCD: Analysis of Nonlinear Stochastic Systems with Delays: Application to Cross-Cutting Engineering Domains	\$	298,736
	Fofana, M.	NSF	CRCD: Semigroups, Thermomechanical and Regenerative Bifurcations in Machining Systems	\$	336,098
	Tryggvason, G *Sullivan, J. *Hoffman, A. *Tang, D. *Shonat, R.	NSF	ITR/AP:Full Numerical Simulations of the Human Body	\$	4,823,985
	Gatsonis, N.	MIT	WPI/Space Grant Aerospace Projects	\$	10,851

	Pryputniewicz, R. *Furlong, C.	BWXT Pantex	Development of Laser-Based Optoelectronic Holography Methodology for Inside Shape Measurements	\$	351,718
	Pryputniewicz, R. *Furlong, C.	BWXT Pantex	Optimization of Optoelectronic Holography System	\$	369,617
	Johari, H.	DoD/Army	Interaction of Vortices with a Parachute Canopy	\$	204,855
PHYSICS	Zozulya, A.	University of Wisconsin	Controllable Granular Dynamics-An Atomic Version of the Faraday Experiment	\$	115,165
	*CPI		Total	\$	10,824,306