

REPORT OF PROPOSALS

For the Month of April/2002

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>		<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Robakiewicz, P.	Northeastern Univ.	Massachusetts MSP	\$	525,832
CHEMICAL ENG'G.	Ribeiro, F.	Dept. of Energy	Study of Pd Particles Supported on ZrO2 and Al2O3 for Improved Natural Gas Engine Oxidation Catalysts	\$	579,528
CIVIL & ENVIRONMENTAL ENGINEERING	Weir, J.	Town of Canton, ME	Comprehensive Planning Assistance	\$	24,045
	Mallick, R.	Portland Cement Association	Investigation of Use in Cement in Full Depth Reclamation	\$	20,000
	Mallick, R.	UMASS Dartmouth	Evaluation of Use of Chemically Modified Crumb Rubber Asphalt Binder in Hot Mix Asphalt	\$	21,751
	Mallick, R.	GeoTesting Express, Inc.	Evaluation of Use of Synthetic Aggregates in Hot Melt Asphalt	\$	18,771
ELECTRICAL & COMPUTER ENGINEERING	Ludwig, R. *Sullivan, J.	Insight Neuroimaging Systems, LLC	Noninvasive Devices for FMRI Studies in Drug Abuse	\$	80,000
	Makarov, S.	MIT-Haystack Observatory	Comparative Study of Different Radiating Elements for a Low-Cost Wideband Wide-Angle Scanning Array in the Band 120-240 MHZ	\$	18,403

FIRE PROTECTION ENG'G.	Woycheese, J.	National Inst. Of Standards & Tech.	Web-based Resources for Fire Science	\$	236,732
	Woycheese, Jr. *Turgeon, P. *N. Dembsey *H. Shuster	NSF	Determination of the Peer-Review and Collections Process for the Fire Science Multimedia Resource Library	\$	912,978
MATHEMATICAL SCIENCES	Yakovlev, V.	EADS	Interfacing Finite Elements and Finite-Difference Grids in Time Domain	\$	39,770
	Heinricher, A. *B. Vernescu *S. Weekes	NSF	Focus on Mathematics: Creating Learning Cultures for High Student Achievement	\$	355,721
	Yakovlev, V.	NRC	Optimization Algorithms for Efficient Design of Microwave Heating Systems	\$	8,200
MECHANICAL ENG'G.	Gatsonis, N.	Busek Company	Cold Gas Nanosat Thrusters with Hydrogen Storage in Carbon Nanotubes and Nanoporous Materials	\$	17,006
	Tryggvason, G.	Brown University	Micro-bubble Drag Reduction	\$	100,000
	*CPI		Total	\$	2,958,737