

REPORT OF PROPOSALS

For the Month of August 2002

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>		<u>Amount</u>
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R.	Maine Department of Transportation	Determination of Structural Layer Coefficient for Roadway Recycling Using Foam Asphalt	\$	28,549
	Ray, M. *Weir, J.	ATSSA	ATSSA Guardrail Level II Training Course	\$	29,075
	Ray, M. *Plaxico, C.	Federal Highway Admin./DOT	Analysis and Testing of W-Beam on Light Post Median Barrier	\$	91,173
COMPUTER SCIENCE	Heffernan, N.	Nat'l. Academy of Education	A Comparison of Student Learning Under Multiple Conditions	\$	50,000
	Heffernan, Neil	DOD/Navy	Affordable Cognitive Modeling Authoring Tools Using HCI Methods	\$	203,304
ELECTRICAL & COMPUTER ENGINEERING	Cyganski, D.	MIT Lincoln Laboratory	Generalized Scatterer Models for Enhanced Super Resolution Radar and ATR	\$	87,819
	Cyganski, D.	MIT Lincoln Laboratory	Spatially Distributed Multi-Band Sensors and Dual Bi-Static Super-Resolution Radar	\$	87,819
FIRE PROTECTION ENG'G.	Barnett, J.	Sandia National Laboratories	Cable Failure Based on Electrical Resistance	\$	95,493

MATHEMATICAL SCIENCES	Nandram, B.	NSF	Hierarchical Bayesian Nonignorable Nonresponse Regression Models for Small Areas Under Informative Sampling	\$	297,593
	Walker, H.	University of Utah	Algorithms and Software for C-SAFE	\$	500,000
MECHANICAL ENG'G.	Apelian, D.	DOE	Materials and Process Design for High-Temperature Carburizing: Integrating Processing and Performance	\$	100,000
	Gatsonis, N.	AFSOR	Unstructured 3D Particle & Particle/Fluid Computational Methods for Partially Ionized Flows in Electric Propulsion	\$	181,393
PHYSICS	Burnham, N.	Research Corporation	Molecular Photomechanics to Cottrell Research Scholar Award Program	\$	75,000
SOCIAL SCIENCE & POLICY STUDIES	Weaver, E.	NSF	Thresholds in Dynamic Decision Making	\$	136,337
	*CPI		Total	\$	1,963,555