

REPORT OF PROPOSALS

For the Month of March/2002

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
CIVIL & ENVIRONMENTAL ENGINEERING	Ray, M.	DOT	Finite Element Analysis of the New York Weak-Post W-Beam Median Barrier	\$ 44,100
COMPUTER SCIENCE	Brown, D.	NSF	Reasoning with Design Rational to Support Software Engineering	\$ 133,083
MECHANICAL ENG'G.	Hoffman, A.	UMASS Worcester	Stretch Sensitivity of Mouse Cutaneous Afferent Neurons	\$ 34,894
	Hermanson, J. *Johari, H.	NASA	Fully-Modulated Flames in Microgravity	\$ 389,886
	Katz, R.	MER Corporation	Mechanical Characterization of Functionally Graded Hybrid SiC/SiC-Squeeze Cast Aluminum Matrix Composites for Gun Tube Application.	\$ 150,644
	Blandino, J.	Jet Propulsion Laboratory	Two-Phase Flow Visualization in a Vaporizing Liquid Microthruster	\$ 22,611
	Bar-On, I. *Emanuel, A. *Saeed, K.	NSF	The Impact of Distributed Fuel Cells: The Quality of Electric Energy and the Techno-Economic Implications- an Integrated Systems Approach	\$ 473,031

	Esmaeeli, A. *Tryggvason, G.	Parker Hannifin Corporation	Computations of Spray Cooling	\$	15,000
	Tryggvason, G.	Chevron Petroleum	Phase IIIb: Strong Stratification in Circular Pipes and Improved Droplet Breakup Modeling	\$	71,235
OTHER	Blaisdell, S. *Nicoletti, D. *Rulfs, J. *Schachterle, L.	NSF	ASSETS: Advising, Support, & Scholarship for Engineering, Technology, & Science	\$	825,052
	*CPI		Total	\$	2,159,536