

REPORT OF PROPOSALS

For the Month of September/2001

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
CHEMICAL ENG'G.	Camesano,T	ACS PRF	Heterogenity of Bacterial Surface Polymers and Their Role in Bacterial Adhesion.	\$ 35,000
	Clark, W *N. Mello	NSF	International Research Experiences for Chemical Engineering Undergraduates.	\$ 360,225
	Ma, Y H	Shell Chemical Co.	Pd Membranes for High Temperature Hydrogen Separation and Reaction Applications in Liquid Phase	\$ 35,116
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R. B. *Ray, M.	Edwards & Kelcey	Development of Rut-Resistant Hot Mix Asphalt (HMA) for Alleyway and Taxiway Pavements in Logan International Airport , Boston, MA	\$ 230,004
ELECTRICAL & COMPUTER ENGINEERING	Makarov, S.	NSF	Antenna Modeling in Matlab	\$ 5,800
	Nicoletti, D *J. Miller	NSF	GK-12: K-6 Gets a Piece of the P.I.E. - Partnerships Implementing Engineering in Education	\$ 1,034,512
	Orr, J *A. Emanuel *R. Datta	Adv. Tech. Products	Analysis of Potential Future Fuel Cell Powered Electric Propulsion Systems for General Aviation Aircraft.	\$ 17,000
	Bromberg, M. *Michalson, M.	DARPA	Reliablable High Capacity, Multipoint, Information Networks.	\$ 618,972

	Clancy, E.	Whitaker Found.	Compare of Muscle Motor Unit Activity Recorded from Indwelling Needle Electrodes and Surface Electrode Arrays	\$	239,915
FIRE PROTECTION ENG'G.	Dembsey, N. *Lucht, D.	NSF	Pre-Proposal-Center for Fire Performance Evaluation of Composite Materials	\$	15,170,834
	Dembsey, N. *Barnett, J.	DOT	DOT Fire Life Safety Program	\$	43,850
MANAGEMENT	Zhu, Joe	NSF	Research Collaboration: An Integrated System for Supply Chain Optimization, Performance Analysis and Design.	\$	266,473
MATHEMATICAL SCIENCES	Tang, D.	Northwestern Univ.	Smooth Muscle Cell Remodeling in Vortex Blood Flow	\$	70,017
MECHANICAL ENG'G.	Savilionis, B	Wyman Gordon	Modeling of Die Cooling Using Water Mists and Gases	\$	26,536
	Pryputniewicz, R. *C. Furlong	BWXT Pantex	Study of a Viability of Integrated MEMS Sensor	\$	50,000
	*CPI		Total	\$	18,204,254