

REPORT OF PROPOSALS

For the Month of April, 2003

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Miller, J. *Rencis, J.	NSF	K-6 gets a Piece of the PIII - Partnerships Implementing Engineering Education	\$ 6,000
	Miller, J. *Rencis, J.	NSF	K-6 gets a Piece of the PIII - Partnerships Implementing Engineering Education	36,000
CHEMICAL ENG'G.	Wyslouzil, B	University of Texas Medical Branch	Tissue Engineering Techniques for Replacements of Damaged Lung Tissue after Battle Related Acute and Chronic Respiratory Injuries	\$ 1,200,000
	Ribeiro, F.	Engelhard Corporation	Experiments on Synthesis Gas Reactions at 10 Atm	\$ 30,000
	Ribeiro, F.	Nuvera Fuel Cells	Kinetics of Water-Gas Shift Reaction	\$ 36,992
CHEMISTRY & BIOCHEMISTRY	Arguello, J.	NSF	Structure-Function of Heavy Metal Transport CPx-ATPases	\$ 5,625
	Thalladi, V.	Research Corporation	Molecular and Crystal Engineering of Three-Dimensional Octupolar Nonlinear Optical Materials Based on Dimers of Trans-Porphyrins	\$ 35,000
CIVIL & ENVIRONMENTAL ENGINEERING	Plummer, J.	NSF	Disinfection of Wastewater with Combined Sonication and Chlorination	\$ 206,882
	Pietroforte, R.	Engineering Corporation	State DOTs and E-Business	\$ 35,729
COMPUTER SCIENCE	Heffernan, N.	Carnegie Mellon University	Using Web-Based Cognitive Assessment Systems for Predicting Student Performance on State Exam	\$ 457,949

ELECTRICAL & COMPUTER ENGINEERING	Vaz, R. *Heinricher, A. *Krueger, R. *Demetry, C. *Zeugner, J.	Association of American Colleges and Universities	Leadership Centers for the New Academy: Expanding Greater Expectations into a Movement for Change	\$	75,605
	Cyganski, D. *Durgin, W. *Orr, J.	NSF	Partnership to Stimulate Innovation for Policing and Public Safety	\$	597,034
FIRE PROTECTION ENG'G.	Woycheese, J. *Dembsey, N. *Turgeon, P. Shuster, H.	NSF	Fire Science Multimedia Library	\$	851,889
MATHEMATICAL SCIENCES	Vernescu, B. *Heinricher, A.	NSF	REU Site: Research Experience for Undergraduates in Industrial Mathematics and Statistics	\$	20,000
	Heinricher, A. *Vernescu, B. *Weekes, S. *Goulet, J. *Morales, C.	NSF	Planning Grants for Center for Industrial Mathematics and Statistics	\$	4,187,660
	Martin, W.	UMASS Amherst	Discrete Mathematics Day at WPI	\$	3,000
MECHANICAL ENG'G.	Gatsonis, N.	Busek, Co.	Modeling of the Compact Induced Current Hall Thruster	\$	35,445
	Pryputniewicz, R.	BWXT Pantex	Development of OEH Methodology for Inside Shape Measurements	\$	305,677
	Hou, Z.	North Carolina State University	Development of Wavelet-Based Stochastic Model for Random Loading	\$	20,250
OTHER	Cyr, M.	Michigan Tech. University	Center for K-12 Technology and Engineering Education	\$	1,492,092
	*CPI		Total	\$	9,638,829