

REPORT OF PROPOSALS

For the Month of June/ 2003

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
CHEMICAL ENG'G.	Ribeiro, F.	Oak Ridge National Laboratory	Testing and Modeling of Catalysts and Absorbents for Nox Abatement	\$ 42,603
	Camesano, T.	NSF	International Cooperative Research: Nanoscopic Probing of Amphiphilic Polysaccharide drug Carriers	\$ 30,000
	Datta, R.	Department of Energy	Development of a Novel Electrochemical Preferential Oxidation Method for Selective Removal of Carbon Monoxide from Reformate	\$ 874,202
CIVIL & ENVIRONMENTAL ENGINEERING	Weir, J. *Ray, M.	NSF	CCLI: Active Learning in Transportation Engineering Education	\$ 63,777
ELECTRICAL & COMPUTER ENGINEERING	Cyganski, D. *Orr, J. *Michalson, W.	Department of Justice	Precision Indoor/Outdoor Personnel Location System	\$ 996,497
	Vaz, R. *Balistrieri, T. *Krueger, R. *Carrera, F.	Association of American Colleges and Universities	A Civic Engagement Dialogue for WPI	\$ 5,500
IGSD	Krueger, R.	U.S. Department of Housing and Urban Development	Models for the Community Partnership: The Chandler/ Pleasant Street Neighborhoods and the WCPC & WPI	\$ 391,889

MANAGEMENT	Strong, D. *Johnson, S. *Mistry, J.	NSF	CCLI/EMD: Integrating Engineering & Management Curricula Through Enterprise Information Systems and Process-Oriented Decision Making Modules	\$	74,839
MECHANICAL ENG'G.	Johari, H.	Massachusetts Institute of Technology	An Experimental Investigation of Lorentz Force Actuators for Flow Control	\$	149,999
	Tryggvason, G. *Esmaeeli, A.	The Pennsylvania State University	Multiscale Physical Modeling for Microbubble Drag Reduction at High Reynolds Numbers	\$	224,493
	Rencis, J.	NSF	CCLI/EMD: Development of a Finite Element Method Learning Environment for Undergraduates	\$	85,322
	Rong, Y.	Kettering University	Development of an Internet Based Technique and System for Monitoring and Control of Manufacturing Equipment	\$	17,536
	Furlong, C.	The Gillette Company	OEH and NDT and Shape Characterization of Cutting Edge of Gillette Blades	\$	38,414
	Fofana, M.	NSF	CCLI/EMD: Development of Bifurcation Methods for the Study of Dynamic Stability in Networked & Automated Manufacturing Systems	\$	75,000
PHYSICS	Zozulya, A.	University of Colorado	Theoretical Analysis of Cold Atom Accelerometers and Gyroscopes	\$	244,449
OTHER	Cyr, M.	NSF	Collaborative Research: TeachEngineering-Hands-on Engineering	\$	273,265
	*CPI		Total	\$	3,587,785