

REPORT OF PROPOSALS

For the Month of April/2005

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Dilorio, A. A. *Crusberg, T. C.	Mass. Technology Transfer Center	Concentration and Recovery of Heavy Metals from Industrial Wastewaters Using Polymer Enhanced Diafiltration	\$ 25,000
CHEMICAL ENG'G	Datta, R.	Plug Power (NIST)	Development of High Temperature Fuel Cell Equivalent Circuit	\$ 119,954
	Wilcox, J.	Environmental Protection Agency	An Ab Initio Investigation of Heterogeneous Mercury Kinetics with Bromine-Embedded Surface	\$ 10,000
CIVIL & ENVIRONMENTAL ENG'G	Mallick, R. B.	ME Department of Transportation	Development of Specification Guidelines for Full Depth Reclamation Using the Ground Penetrating Radar and Portable Seismic Property Analyzer	\$ 97,642
COMPUTER SCIENCE	Dougherty, D. J.	Fourth Power Solutions, LLC	Algorithmic Tools for Adversarial Games	\$ 41,088
ELECTRICAL & COMPUTER ENG'G	Orr, J. A. *Cyganski, D. *Duckworth, J. *Michalson, W.	Dept. of Justice	Precision Indoor/Outdoor Personnel Location System III	\$ 986,643
	Clancy, E. A. *McNeill, J. *Michalson, W.	Mass. Technology Transfer Center	Sensor-on-a-Chip for Electrophysiologic Signal Acquisition	\$ 25,000
IGSD	Krueger, R. *Hersh, R.	Environmental Protection Agency	Fostering Community Control in Brownfields Revitalization: Community Land Trusts as Brownfield Developers	\$ 271,779

MATHEMATICAL SCIENCES	Humi, M.	Air Force	Analysis of Multiple Sounding Balloons to Study Gravity Waves	\$	40,882
	Tang, D. *Manning, M.	Mass. Technology Transfer Center	Image-Based Computational Mechanical Analysis and Indexing for Cardiovascular Diseases	\$	5,000
SS&PS	Weaver, E. A.	Clark University (Dept. of Homeland Security)	Center for Adaptive and Resilient Urban Systems (CareUS)	\$	187,990
	Weaver, E. A.	Clark University (Dept. of Homeland Security)	SHERPA, the Study of High-Consequence Event Response, Preparedness, and Assessment	\$	187,990
OTHER	Cyr, M.	NSF	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	\$	269,996
	*CPI		Total	\$	2,268,964