

## REPORT OF AWARDS

For the Month of April/2004

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>		<u>Amount</u>
<b>CHEMICAL ENGINEERING</b>	Camesano, T.	NSF	CAREER: Molecular-Scale Interactions Between Microbes and Surfaces in the Environment	\$	5,906
	Thompson, R. *Bergendahl, J.	Triton Systems, Inc.	The removal of Disinfection Byproducts from Water	\$	30,000
<b>COMPUTER SCIENCE</b>	Claypool, M. *Brown, D.	Microsoft Corporation	Enhancing Microsoft's Relevance Processor with Implicit Interest Indicators	\$	77,000
<b>ELECTRICAL &amp; COMPUTER ENGINEERING</b>	Cyganski, D.	Raytheon Company	Application of Multi-Level Precedence and Preemption (MLPP) to IP-ABR with Emphasis on Government Security Protocols	\$	70,000
<b>IGSD</b>	Vernon-Gerstenfeld	USDA	Creation of Mortality Index for Trees Planted Under the Proyecto Reforestacion Puertorriqueno (Puerto Rican Reforestation Project)	\$	5,000
<b>MANAGEMENT</b>	Kasouf, C.	Alfred P. Sloan Foundation	Management Studies in Metal Processing: A Proposal to Develop a Sustained Funding Strategy	\$	45,000
<b>MECHANICAL ENG'G.</b>	Tryggvason, G. *Esmaeeli, A.	The Pennsylvania State University	Multiscale Physical Modeling for Microbubble Drag Reduction at High Reynolds Numbers	\$	80,246

	Rong, Y.	Kettering University	Development of an Internet Based Technique and System for Monitoring and Control of Manufacturing Equipment	\$	17,644
	Johari, H.	Massachusetts Institute of Technology	An Experimental Investigation of Lorentz Force Actuators for Control of Separated Flows and Associated Noise Around Marine Vehicles	\$	74,999
<b>PHYSICS</b>	Burnham, N.	NSF	NUE:Development of a Set of Instructional Materials for a Course on Atomic Force Microscopy for Undergraduates	\$	66,290
	Ram-Mohan, R.	University of Buffalo	Spinotronics and Spin-Photonics in Ferromagnetic InAs/GaSb-Based Heterostructures	\$	20,000
<b>OTHER</b>	Schachterle, L. Hill, C.	UMASS Amherst	LSAMP-Northeast Alliance for Minority Participation in Undergrad Ed in Science, Math & Engineering	\$	65,000
	<b>*CPI</b>		<b>Total</b>	\$	557,085