

## REPORT OF AWARDS

For the Month of April/2003

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>		<u>Amount</u>
<b>CHEMICAL ENG'G.</b>	DiBiasio, D. *Mello, N.	NSF	Assessing the State of Web-Based Laboratory Teaching and Learning: Phase 2	\$	9,913
	Wyslouzil, B.	NSF	Nanodroplet Aerosols: Formation and Structure	\$	107,000
<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING</b>	Mallick, R.	Maine DOT	Development of Mix Design for 15 Foamed Asphalt Full Depth Reclamation Projects in Maine	\$	29,787
	Ray, M.	ATSSA	ATSSA Guardrail Level II Training Course	\$	4,000
<b>MANAGEMENT</b>	Gerstenfeld, A.	Dept. of Education	Building a Bridge of Knowledge to Africa for Business and International Education	\$	83,000
<b>MATHEMATICAL SCIENCES</b>	Vernescu, B. *Heinricher, A.	NSF	REU Site: Research Experience for Undergraduates in Industrial Mathematics and Statistics	\$	61,926
<b>MECHANICAL ENG'G.</b>	Johari, H.	MIT	A Visualization Study of Lorentz Force Actuators Used for Flow Separation Control	\$	9,990
	Gatsonis, N.	Air Force	Unstructured 3D Particle & Particle/Fluid Computational Methods for Partially Ionized Flows in Electric Propulsion	\$	58,398

	Tryggvason, G.	NASA	Computational Modeling of Effect of Secondary Forces on the Phase Distribution in Dispersed Multiphase Channel Flows	\$	100,000
	Apelian, D.	DOE	Development of Continuous, Direct Feedback Control Systems for Sintering of Metallic Components	\$	100,000
	Rong, Y.	DOE	An Energy Savings Model for the Heat Treatment of Castings	\$	190,643
	Apelian	DOE	Materials and Process Design for High-Temperatures Carburizing Integrating Processing and Performance	\$	210,424
<b>PHYSICS</b>	Ram-Mohan, R.	University of Buffalo	Spintronics and Spin-Photonics in Ferramagnetic InAs/ GaSb-Based Heterostructures	\$	70,801
	<b>*CPI</b>		<b>Total</b>	<b>\$</b>	<b>1,035,882</b>