

**REPORT OF AWARDS**

**For the Month of June/2005**

<b><u>Department</u></b>	<b><u>Investigator</u></b>	<b><u>Sponsor</u></b>	<b><u>Title</u></b>	<b><u>Amount</u></b>
<b>BIOMEDICAL ENG'G</b>	Billiar, K.	American Heart Association	Mechanical Regulation of Valvular Interstitial Cell Activation	\$ 65,000
<b>CHEMISTRY &amp; BIOCHEMISTRY</b>	MacDonald, J.	Army	Design of Porous and Complex Crystalline Materials	\$ 103,643
<b>CHEMICAL ENG'G</b>	Datta, R.	Navy	Logistic Fuel Reforming: A Building Block Approach to Mechanistic Structure and Microkinetics	\$ 64,000
<b>COMPUTER SCIENCE</b>	Gennert, M.	Umass Medical School (NIH)	Patient Motion Detection and Compensation in SPECT	\$ 155,878
<b>ELECTRICAL &amp; COMPUTER ENG'G</b>	Ludwig, R.	Insight Neuroimaging Systems (NIH)	Noninvasive Neuroimaging Systems	\$ 150,000
	Ludwig, R.	Dartmouth College (NIH)	MR Microwave Absorption and Tomography Imaging	\$ 38,874
<b>MATHEMATICAL SCIENCES</b>	Larsen, C. J.	NSF	Variational Methods for Material Damage: Fracture Fatigue, Debonding	\$ 158,700
	Tang, D.	NIH	CRCNS: Modeling for Carotid Plaque Rupture and Stroke	\$ 261,277
<b>MECHANICAL ENG'G</b>	Hou, Z.	North Carolina State University (NASA)	Development of Wavelet-Based Stochastic Models for Random Loading	\$ 21,049
	Brown, C.	NSF	Collaborative Research: Three Dimensional Analysis of Dental Microwear in Primates	\$ 6,716

	Rong, Y. *Sisson, R.	Department of Energy	An Energy Savings Model for the Heat Treatment of Castings	\$	12,500
	Johari, H.	MIT (Dept. of Commerce)	An Experimental Investigation of Lorentz Force Actuators for Control of Separated Flows and Associated Noise Around Marine Vehicles	\$	75,000
<b>PHYSICS</b>	Norbury, J.	NASA	Graduate Student Researchers Program - Ryan Norman	\$	24,000
	Norbury, J.	NASA	Graduate Student Researchers Program - Anne Adamczyk	\$	24,000
	<b>*CPI</b>		<b>Total</b>	\$	1,160,637