

## REPORT OF PROPOSALS

For the Month of August/2004

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
<b>CHEMICAL ENG'G.</b>	Thompson, R. *Gnanaraj, J.	Yardney Technical Products, Inc.	Brief Evaluation of the First Two Months Status Reports of Phase I for Ballistic Missile Innovative Power Storage Devices	\$ 24,000
	Thompson, R. *Gnanaraj, J.	Yardney Technical Products, Inc.	Deep Space Power Systems-Silica Separators for Li-ion Batteries	\$ 25,000
	Thompson, R.	Yardney Technical Products, Inc.	Surface Coated Graphite Anodes for Li-ion Batteries Using Electrolyte Additives	\$ 70,300
	Datta, R. *Fishtik, I.	NSF	Reaction Route Graph Theory: A New Methodology for the Elucidation of Molecular mechanism and Kinetics of Complex Reaction Networks	\$ 421,612
<b>CHEMISTRY &amp; BIOCHEMISTRY</b>	McGimpsey, W. *MacDonald, J. *Thalladi, V. *Lambert, C. *Benco, J.	NIH	Microfluidic Potassium Ion Sensor for Biological Fluids	\$ 404,119
<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING</b>	Ray, M.	National Highway Traffic Safety Administration	Establishment of a Center for Human Impact Protection System	\$ 347,000
<b>COMPUTER SCIENCE</b>	Heineman, G.	BBN Technologies	Subcontractor to PCES II Contract	\$ 56,156
	Sarkozy, G.	NSF	Extremal Problems in Graph Theory	\$ 43,724

	Rundensteiner, E.	NSF	Data Warehouse Maintenance Over Dynamic Distributed Information Sources	\$ 15,000
<b>ELECTRICAL &amp; COMPUTER ENGINEERING</b>	Pahlavan, K.	The Charles Stark Draper Lab., Inc.	Innovative Indoor Geolocation Using RF Multipath Diversity	\$ 562,754
<b>MECHANICAL ENG'G.</b>	Hou, Z.	North Carolina State University	Development of Wavelet-Based Stochastic Model for Random Loading	\$ 21,049
	Gatsonis, N.	Massachusetts Space Grant Consortium	Workforce Training for Undergraduates in Aerospace Engineering	\$ 10,064
	Muckerheide, J.	Radiation, Science & Health Inc.	Center of Nuclear Technology and Society at WPI	\$ 20,000
	Joahri, H.	NSF	Collaborative Research: Structure, Entrainment, & Emission of Strongly-Pulsed Turbulent Diffusion Flames	\$ 250,524
<b>OTHER</b>	Durgin, W.W. *Furlong, C. *Brown, D.	Raytheon (NASA)	Development of Health Monitoring and NDT Of Space Structures	\$ 493,875
<b>PHYSICS</b>	Garcia, R.	ACS-Petroleum Research Fund	Novel Wetting Transitions and Casimir Effects	\$ 35,000
	<b>*CPI</b>		<b>Total</b>	<b>\$ 2,800,177</b>