

REPORT OF PROPOSALS

For the Month of May/2005

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOMEDICAL ENG'G	McGimpsey, G. *Lambert, C .	MTTC (Comm. Of MA)	A Microfluidic Analyte Sensor with a Multi-transduction Mechanism	\$ 25,000
CHEMICAL ENG'G	Ma, Yi Hua	Shell International	Ultra Thin Pd and Pd/alloy Membranes for Hydrogen Separation and Reaction Applications	\$ 638,960
	Clark, W. M. *DiBiasio, D.	NSF	CCLI: Finite Element Simulation of Laboratory Experiments for Enhanced Learning	\$ 149,811
	Camesano, T. *Pins, G.	NIH	Anti-Adhesion Mechanisms of Cranberry Constituents on E. Coli	\$ 213,639
CHEMISTRY & BIOCHEMISTRY	Arguello, J.	NIH	Determinants of Membrane Protein Stability	\$ 1,324,080
COMPUTER SCIENCE	Rundensteiner, E. A.	NSF	Constraint-Aware Adaptive Stream Processing	\$ 516,673
	Rundensteiner, E. A.	NSF	Updates in XML-Based Data Integration Systems	\$ 499,757
	Wills, C.	NSF	CCLI: Online Activity Book for the Computing Community	\$ 149,928
	Claypool, M.	NSF	CCLI: Increasing the Participation of Women in Computer Science with a Computer Game-Centric Curriculum	\$ 48,875
	Fisler, K.	Northeastern University (NSF)	Computing Education for Every Student in Secondary Schools	\$ 14,684

ELECTRICAL & COMPUTER ENG'G	Clancy, E. A.	Foster-Miller, Inc (DARPA)	DARPA Solicitation BAA05-19 Addendum 4, "Prosthesis 2007"	\$ 626,027
	Orr, J. A. *Cyganski, D. *Duckworth, J. *Michalson, W. *Makarov, S.	U.S. Dept. Of Justice	Precision Indoor/Outdoor Personnel Location System III	\$ 1,973,286
FIRE PROTECTION ENG'G	Woycheese, J.	TYCO Research and Development	Pulsation in Tunnel Fires with Longitudinal Ventilation During Large Fire Events	\$ 65,837
MATHEMATICAL SCIENCES	Humi, M.	NSF	Modeling, Analysis and Simulation of the Antarctic Boundary Layers	\$ 142,839
	Servatius, B.	Smith College (NSF)	CCLI: Tensegrity, Flexibility and Motion: Developing a STEM Interdisciplinary Course	\$ 74,967
	Yakovlev, V.	The Ferrite Company	Advanced Computer Models for Microwave Power Engineering	\$ 22,280
MECHANICAL ENG'G	Moon, Y. M.	NSF	Robotic Hand Augmentation System	\$ 83,436
OTHER	Obien, R. G.	National Endowment for the Humanities	Preservation of Robert Fellman-Charles Dickens Collection	\$ 3,887
	Turgeon, P.S. *Ricci, A. *Laliberte, M. *Marr, A.	NSF	CCLI: Enhancing STEM Teaching with Technology via the Creation of a Web-based, Guided Navigation Tool	\$ 111,568
	*CPI		Total	\$ 6,685,534