

REPORT OF PROPOSALS

For the Month of November/2004

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
CHEMICAL ENG'G.	Thompson, R. *Bergendahl, J.	Triton Systems, Inc. (NIH)	The Removal of Disinfection Byproducts from Water (1000-641)	\$ 135,200
	Wilcox, J.	DOE	Heterogeneous Reactions of Mercury, Arsenic, and Selenium on Fly Ash: An Ab Initio and Experimental Study	\$ 199,993
CIVIL & ENVIRONMENTAL ENGINEERING	Mallick, R.	UNH (New England Consortium)	Recycling Asphalt Pavements Containing Modified Binders	\$ 35,965
ELECTRICAL & COMPUTER ENGINEERING	King, B.	NSF	NER: Reconfigurable Integrated Photonic NEMS	\$ 159,814
IGSD	Krueger, R.	EPA	Measuring the Impacts of Area-Wide Brownfield Redevelopment: Toward a Comprehensive Strategy for Revitalization	\$ 282,686
MATHEMATICAL SCIENCES	Heinricher, A. C. *Weekes, S.	NSF	IT for Mathematics at Work	\$ 1,191,244
	Larsen, C. J.	NSF	Variational Methods for Material Damage: Fracture, Fatigue	\$ 248,222
MECHANICAL ENG'G.	Pryputniewicz, R. J. *Furlong, C.	BWXT-Pantex (DOE)	Development and Fabrication of OEH Outside Shape Measurement Workstation, Phase-2 Part-1	\$ 238,249
	Rong, K.	Kettering University (NSF)	Development of an Internet Based Technique and System for Monitoring and Control of Manufacturing Equipment	\$ 18,146
	Gatsonis, N. *McGimpsey, W. G.	NSF	Light Activated Fluidic Nanopatterned Surfaces of Controlled Wettability	\$ 1,702,745

	Blandino, J. *Gatsonis, N.	NSF	NER: Production of Nanodroplets with Controlled Size Distribution for Delivery of Materials in Nanomanufacturing	\$ 145,437
	Gatsonis, N.	Busek (AFOSR)	Modeling and Experiments for the Compact Induced Current Hall Thruster	\$ 221,617
	Fofana, M.	NSF (NER)	NIRT: Domains of Stability in Machining Operations of Nanostuctured Materials	\$ 1,366,672
PHYSICS	Norbury, J. W.	NASA	Electromagnetic Nuclear Collision Cross Sections	\$ 646,153
	*CPI		Total	\$ 6,592,143