

REPORT OF PROPOSALS

For the Month of July/2005

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOMEDICAL ENG'G	Billiar, K.	NSF	CAREER: Coupled Mechanical and Biochemical Modulation of Cell Phenotype and Matrix Remodeling	\$ 593,114
BIOLOGY & BIOTECHNOLOGY	Mathews, L.	NSF	Phylogeography and the Generation of Biodiversity in Marine Systems	\$ 566,791
	Prusty, R.	NSF	CAREER: Understanding small molecule signaling using <i>S. Cerevisiae</i> as a model system, with focus on Indole Acetic Acid Regulated Fungal Pathogenesis and Quorum Sensing	\$ 752,413
CHEMICAL ENG'G	Camesano, T.	GlycoGenesis, Inc.	Biopolymer Characterization (GCS-100), Part 2	\$ 32,445
CHEMISTRY & BIOCHEMISTRY	Thalladi, V. R.	NSF	Discovery and Selective Growth of Polymorphs Using Synthetic Surfaces And Confined Spaces	\$ 749,868
COMPUTER SCIENCE	Heffernan, N. T.	NSF	Research Experience for Teachers Proposal Associated with CAREER Grant "Learning About Learning"	\$ 20,000
	Heffernan, N. T.	NSF	REU Proposal Associated with CAREER Grant "Learning About Learning"	\$ 15,000
	Mani, M.	NSF	CAREER: Enabling Integration of Diverse Data Sources Using XML	\$ 794,511
	Agu, E.	NSF	CAREER: A Middleware Approach to Mobile 3D Graphics	\$ 851,384
ELECTRICAL & COMPUTER ENG'G	King, B.	NSF	CAREER: Reconfigurable Integrated Photonic Crystal MEMS/NEMS	\$ 661,094
	Lou, W.	NSF	CAREER: Location-Aware Lightweight and Resilient Security Mechanisms for Wireless Sensor Networks	\$ 526,374
IGSD	Mello, N. A.	NAFSA: Association of Internation Educators	Creation of a Robust, Collaborative Faculty Training Program at WPI: The Advisor Development Series	\$ 8,260
	Davis, P.	MIT (Lincoln Labs)	WPI Project Center at MIT Laboratory	\$ 61,867

**MATHEMATICAL
SCIENCES**

Volkov, D.

NSF

CAREER: Inverse Problems for Land Mines and for Fault Lines

\$ 460,208

PHYSICS

Garcia, R.

NSF

CAREER: Fluctation-Induced Wetting Phenomena

\$ 904,461

***CPI**

Total

\$ 6,997,790