

**Worcester Polytechnic Institute
Report of Proposals Submitted
April 2006**

Department	PI	Co-Pi	Project Title	Sponsor	Total Requested	Cost Sharing
Chemistry and Biochemistry	Robert Connors		Self-Decontaminating Barrier Material Incorporating Catalytically Reactive Membrane for Individual and Collective Protection on a Chemically/Biologically Contaminated Battlefield	Ventana Research Corporation	\$32,060	0
Chemical Engineering	Terri Camesano		Impact of Spore Variability and Identification of B.Anthraxis Simulants for Decontamination	U.S. Natick Soldier Center	\$355,007	0
	Robert Thompson	Joseph Gnanaraj	Advanced Battery Materials	Yardney Technical Products	\$15,000	4,198
	Robert Thompson	Joseph Gnanaraj	Technology to Improve the Performance of Lithium-Ion Cells at Low Temperatures	Yardney Technical Products	\$142,199	0
	Jennifer Wilcox		Ab Initio-Based Heterogeneous Study of Trace Elements in Combustion Flue Gases	American Chemical Society	\$40,000	11,419
Electrical and Computer Engineering	Edward Clancy		Powered Leg Prosthesis for the Restoration of Amputee Balance, Locomotry Metabolism and Speed	MIT	\$72,591	0
Fire Protection Engineerig	Kathy Notarianni	Jonathan Barnett	Firefighter Safety/Deployment of Resources	Department of Homeland Security	\$847,853	0
Mathematical Science	Brigett Servatius		Tensegrity, Flexibility and Motion: Developing a STEM Interdisciplinary Course	National Science Foundation	\$79,538	0
Mechanical Engineering	Jianyu Liang	Richard Sisson, Isa Bar-On, Diran Apelian, Calvin Hill	Scholarships in Materials Science and Engineering	National Science Foundation	\$499,800	30,737
	Yong-Mo Moon		High Performance Harmonic Actuator Using Piezo Compliant Mechanism	FlexSys Incorporated	\$21,000	0
	Ryszard Pryputniewicz		MEMS Reliability Assessment	Concurrent Technologies Corp.	\$378,580	0
	Yiming Rong		Fundamental Research on Grinding Technology	Saint-Gobain Abrasives, Inc.	\$7,565	3,888
Other	Robert Traver	Jose Arguello, Daniel Gibson, John Goulet, Stephen Jaspersen	NSF Noyce Scholarship Program at WPI with Worcester Public Schools	National Science Foundation	\$470,588	60,128
Physics	Rafael Garcia		Experiments for Improved Understanding of the Wetting of Polar Liquids	American Chemical Society	\$40,000	20,560
Totals for April 2006 (14 proposals)					\$3,001,781	\$130,930