

**Worcester Polytechnic Institute  
Report of Proposals Submitted  
May 2007**

Department	Principal Investigator	Co-PI	Project Title	WPI Sponsor	Prime Sponsor (if Sub)	Program Type	Requested	Cost Sharing
Bioengineering Institute	Lambert, C.		Micro-Nano Fabrication for Low Volume Electronics	Potomac Photonics	DARPA	Research	27,288	0
Subtotal							27,288	0
Biology and Biotechnology	DiIorio, A.		Development of Enhanced Biofuel Recovery Process	Altra, Inc.		Research	277,334	0
	Prusty, R.	Politz, S.	A Novel, High Throughput Approach to Identifying Fungal Virulence Factors for Drug Discovery	NIH		Research	2,113,364	0
Subtotal							2,390,698	0
Chemical Engineering	Dixon, A.		GOALI: Catalyst Deactivation and Heat Transfer Modeling for Fixed Bed Reactors Using Computational Fluid Dynamics	Johnson Matthey Catalysts	NSF	Research	75,000	0
Subtotal							75,000	0
Computer Science	Gennert, M.	Ciaraldi, M., Cyganski, D., Tryggvason, G., Demetriou, M.	Robotics Engineering Resource Package Development	NSF		Research	149,983	0
	Heffernan, N.	Ruiz, C., Wilbur, J., Heineman, G., Mani, M.	ITEST: Wiki-ASSISTments - Teachers Using Information Technology to Inspire Students Interest in IT by Building Intelligent Tutoring Content	NSF		Research	1,189,018	0
	Wills, C.	Ward, M., Billiar, K.	Teaching Effective Data Communication: A Learner-Centered Approach	NSF		Research	149,973	0
Subtotal							1,488,974	0
Electrical and Computer Eng'g.	Clancy, T.	Brown, D.	Improvement of Acquisition Systems for High-Resolution Surface EMG Arrays	NIH			784,236	0
	Michalson, W.	Matthews, J.	State Communications Interoperability Plan	Science Applications International Corporation	DHS	Research	83,726	0
	Sunar, B.		Trust in Digital ICs	Boeing Company	DARPA	Research	896,671	0
Subtotal							1,764,633	0
Interdisciplinary & Global Studies	Vaz, R.		WPI Project Center at MIT Lincoln Laboratory	MIT	Air Force	Education/ Training	60,733	0
Subtotal							60,733	0
Mathematical Sciences	Yakovlev, V.		Coupled Electromagnetic-Thermo-Structural Model for Microwave Sintering of Nano-Composites	EADS Fondation d'Entreprise		Research	261,898	0
Subtotal							261,898	0
Mechanical Engineering	Hussein, I.	Gatsonis, N., Olinger, D., Demetriou, M.	CCLI: Integration of Theory and Practice in a System Dynamics and Control Curriculum	NSF		Research	149,799	0
Subtotal							149,799	0
<b>Total ( 13 Proposals)</b>							<b>6,219,023</b>	<b>0</b>