

Worcester Polytechnic Institute  
Report of Awards Received  
September 2007

Department	Principal Investigator	Co-PI	Project Title	WPI Sponsor	Prime Sponsor (if Sub)	Award Action Type	Program Type	Amount Awarded	Cost Sharing	Proposal #
Academic Affairs	Cyr,M.		Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	NSF		Con't.	Education /Training	37,002	8,746	5144
	Cyr,M.		Building a Better Science & Technology / Engineering Background	The Commonwealth of Massachusetts	DED	Con't.	Education /Training	70,734	27,136	06178c1
Subtotal: 2								107,736	35,882	
Bioengineering Institute	McGimpsey, G.	Duckworth, J., Huang, X., Lambert, C., Makarov, S., Pins, G., Pedersen, P., Mendelson, Y., Michalson, M., McNeill, J.	Real-Time Troop Physiological Status Monitoring Systems Using a Common Wireless Network	U.S. Army Medical Research and Materiel Command		Con't.	Research	839,000	0	02178c5
Subtotal: 1								839,000	0	
Civil and Environmental Engineering	Plummer, J.		Acoustic Cavitation for Processing Milk in Rural Dairy Farms	Harris Acoustic Products Corporation	Dept. of Agriculture	New	Research	10,125	0	7034
Subtotal: 1								10,125	0	
Computer Science	Heffernan, N.		CAREER: Learning about Learning	NSF		Supplmt.	Research	19,500	0	5010
Subtotal: 1								19,500	0	
Electrical and Computer Eng'g.	Wygliński, A.		WN: Quantification of Spectrum Availability for Wireless Network Access	NSF		New	Research	79,127	9,165	8046
Subtotal: 1								79,127	9,165	
Mass. Academy of Math & Science	Traver, R.	Jaspersen, S., Goulet, J., Arguello, J., Gibson, D.	NSF Noyce Scholarship Program at WPI with Worcester Public Schools	NSF		New	Education /Training	694,289	0	7177
Subtotal: 1								694,289	0	
Mechanical Engineering	Apelian, D.	Backman, D.	Optoelectronic Sensing of Liquid Metal Composition	wTe Inc.	National Institute of Standards & Technology/Technology Administration/DOC	Con't.	Research	69,400	0	6139
	Furlong-Vazquez, C.		Computer-based holography and middle-ear function	Massachusetts Eye & Ear Infirmary	DHHS	Con't.	Research	25,000	0	6122
	Pryputniewicz, R.		Freeform Optical Systems for Defense System Optics, Phase 1	MetroLaser, Inc.	Missile Defense Agency	New	Research	15,000	0	8018
	Tryggvason, G.	Doyle, J., Gennert, M.	Social Networking in the FIRST Robotics Competition Community	NSF		New	Research	189,500	0	8013
Subtotal: 4								298,900	0	
Provost's Office	McGimpsey, G.		Graduate Research Fellowships	NSF		Con't.	Education /Training	40,500	8,256	7193
Subtotal: 1								40,500	8,256	
<b>Total: 12</b>								<b>2,089,177</b>	<b>53,303</b>	