

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

| Department | Principal Investigator | Co-PI | Project Title | WPI Sponsor | Prime Sponsor (If Sub) | Program Type | Requested | Cost Sharing |
|--------------------------------|-------------------------------|--|---|------------------------------------|-------------------------------|---------------------|------------------|---------------------|
| Bioengineering Institute | Lambert, C. | McGimpsey, G. | The Design of Biofilm Resistant Surfaces | NIH | | Research | 386,449 | 0 |
| Subtotal | | | | | | | 386,449 | 0 |
| Biology and Biotechnology | Buckholt, M. | Rulfs, J. | Enhanced Laboratory Learning with Technology | NSF | | Research | 149,886 | 0 |
| Subtotal | | | | | | | 149,886 | 0 |
| Biomedical Engineering | Gaudette, G. | | Regenerating the Heart | NIH | | | 2,240,155 | 0 |
| | Pins, G. | | Designing Microfabricated Basal Lamina Analogs to Enhance Skin Regeneration | NIH | | Research | 208,626 | 0 |
| Subtotal | | | | | | | 2,448,781 | 0 |
| Chemical Engineering | Camesano, T. | Liang, J. | NUE: Teaching Nanobiotechnology at the Undergraduate Level -- Development of Inquiry-Based Laboratory Modules | NSF | | Research | 199,669 | 0 |
| | Ma, Y. | | Development of Nanoporous Membranes for Gas Separation by Template Synthesis Method | Hampton University | DOE | Research | 60,605 | 0 |
| Subtotal | | | | | | | 260,274 | 0 |
| Chemistry and Biochemistry | Connors, R. | | Corrosion Inhibitor and Chemical Warfare (CW) Agent Cleaner for Military Hardware | Ventana Research Corporation | Navy | Research | 25,062 | 0 |
| Subtotal | | | | | | | 25,062 | 0 |
| Computer Science | Heffernan, N. | Gobert, J., Kim, R., Pollice, G. | Statistics Inquiry Tutor (SIT): Guiding Student Inquiry into Statistics | DED | | Research | 743,279 | 0 |
| Subtotal | | | | | | | 743,279 | 0 |
| Electrical and Computer Eng'g. | Duckworth, J. | Cyganski, D. | Unified Incident Command and Decision Support (UICDS) Phase II | Raytheon | DHS | Research | 409,941 | 0 |
| | Thompson, M. | | Eddy Current Braking Technology for Aircraft Catapult Systems | Radiation Monitoring Devices, Inc. | Navy | Research | 30,000 | 0 |
| Subtotal | | | | | | | 439,941 | 0 |

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

| | | | | | | | | |
|-------------------------------|-------------------|--|--|--|------|------------------------|------------------|--------------|
| Mechanical Engineering | Blandino, J. | | Travel Award for PI and Students | Universities Space Research Association | NASA | Travel | 5,000 | 0 |
| | Liang, J. | | SBIR Phase I: Rapid Recharge, High Voltage Li-ion Battery Chemistry | Lithion, Inc. | Army | Research | 31,126 | 0 |
| | Pryputniewicz, R. | | Development of Nondestructive Testing/Evaluation Methodology for MEMS | Army | | Research | 165,000 | 0 |
| Subtotal | | | | | | | 201,126 | 0 |
| Metal Processing Institute | Lados, D. | | Ablative Casting - A Clean Process for Enhanced Automotive Fuel Efficiency | Alotech Ltd. | NSF | Research | 33,308 | 0 |
| Subtotal | | | | | | | 33,308 | 0 |
| Provost's Office | McGimpsey, G. | | Graduate Research Fellowships | NSF | | Education/ Training | 64,086 | 8,256 |
| Subtotal | | | | | | | 64,086 | 8,256 |
| Total (15 proposals) | | | | | | | 4,752,192 | 8,256 |