

REPORT OF PROPOSALS

For the Month of February/2003

| <u>Department</u> | <u>Investigator</u> | <u>Sponsor</u> | <u>Title</u> | <u>Amount</u> |
|--|--|--------------------------------|--|---------------|
| BIOLOGY & BIOTECHNOLOGY | Dilorio, A. | Carbomer Inc. | Novel Polymers for Cell Encapsulation | \$ 25,789 |
| BIOMEDICAL ENG'G. | Shonat, R. | UMASS Medical School Worcester | Layer-Specific Functional and Perfusion Imaging of the Cat Retina | \$ 57,522 |
| CIVIL & ENVIRONMENTAL ENGINEERING | Mallick, R. | University of New Hampshire | Evaluation of a Field Permeameter as a Longitudinal Joint Quality Indicator | \$ 26,800 |
| | Bergendahl, J. *Thompson, R. | NSF | Coupled Zeolite Sorption and Fenton's Oxidation to Remove TCE from Water\ (TSE03-O) | \$ 100,000 |
| | Mallick, R. | Maine DOT | Development of Mix Design for 15 Foamed Asphalt Full Depth Reclamation Projects in Maine | \$ 29,787 |
| | Mallick, R. | UMASS Dartmouth | Relating Hot Mix Asphalt Pavement Density to Performance | \$ 45,569 |
| | Plummer, J. | UMASS Amherst | Indicator Organism & Pathogen Water Quality Assessment Tools Using GIS | \$ 221,577 |
| COMPUTER SCIENCE | Fisler, K. | NSF | ITR: The Human-Language Interface | \$ 177,740 |
| | Agu, E. | DOE | Adaptive Graphics Web Server for Mobile Environments (AWESOME) | \$ 275,695 |
| | Colon-Osorio, F. *Dougherty, D. *Hofri, M. *Wills, C. | NSF | ITR: WSSRL-Worcester Polytechnic Systems Security Research Laboratory | \$ 4,996,896 |

| | | | | | |
|--|--|--------------------------------|--|-----------|-------------------|
| ELECTRICAL & COMPUTER ENGINEERING | Looff, F. | NASA | Student Project at GSFC | \$ | 20,000 |
| | Ludwig, R. *Sullivan, J. | NIH | Scalable RF and Gradient Coil Development for Use in Conscious Small Animals | \$ | 1,784,407 |
| | Ludwig, R. | NIST | NIST Summer Undergraduate Research Fellowship Program | \$ | 7,000 |
| | Papageorgiou, D. *Pins, G. *Thalladi, V. | NSF | MRI:Acquisition of Microfabrication Equipment for the Education of Students in Processing Technologies & the Advancement of Multi-Disciplinary Research Involving Nanotech. & MEMS | \$ | 420,808 |
| MANAGEMENT | McCoy, S. | NSF | ITR Collaborative Research: ICT Transfer to Least Developed Countries: A Focus on Telemedicine in Sub-Saharan Africa | \$ | 562,671 |
| MECHANICAL ENG'G. | Johari, H. | MIT Sea Grant | A Visualization Study of Lorentz Force Actuators Used for Flow Separation Control | \$ | 9,990 |
| | Sullivan, J. | UMASS Medical School Worcester | Development of Segment Marmoset Atlas Suitable for fMRI Analyses of Sexual Motivation in Nonhuman Primates | \$ | 427,994 |
| | Fofana, M. | NSF | MRI: On the Development of Iterated Measurements Systems | \$ | 175,000 |
| | Johari, H. | Army Research Office | Interaction of a Line Vortex with an Inflated Parachute Canopy | \$ | 219,698 |
| | Bar-On, I. *Agu, E. *Saeed, K. | NSF | Partnership in Electric Power Networks | \$ | 598,074 |
| *CPI | | | Total | \$ | 10,183,017 |