

Awards received during the period Jul-01-2008 to Jul-31-2008

| Investigator(s) | Title | Sponsor | Dollars | Months |
|---|--|------------------------------------|-----------|--------|
| Department or Office: Chemistry and Biochemistry | | | | |
| Brown, Seth N. | Probing the Articulation Between Electron Transfer and Bond Cleavage Using Early Metal Complexes of Redox-Active Phenoxides. | ACS Petroleum Research Fund | \$100,000 | 26 |
| Castellino, Francis J. (Center or Institute) | Plasminogen and Plasmin: Structure and Function | National Institutes of Health | \$355,568 | 24 |
| Corcelli, Steven A. | Computational Studies of Hydrogen-Bond Dynamics in Methanol Probed by Ultrafast IR Spectroscopy | ACS Petroleum Research Fund | \$50,000 | 26 |
| Lappin, Alexander G. Smith, Bradley D. Sevov, Slavi C. Taylor, Richard E. Henderson, Kenneth W. | Acquisition of a Quadrupole Time-of-Flight Mass Spectrometer | National Science Foundation | \$344,685 | 36 |
| Miller, Marvin J. (Center or Institute) Chang, Mayland | Chemistry-Biochemistry Interface Training Program at Notre Dame | National Institutes of Health | \$173,175 | 48 |
| Mobashery, Shahriar (Center or Institute) Chang, Mayland | Intervention of Disease by Selective Gelatinase Inhibitors | National Institutes of Health | \$372,202 | 12 |
| Mobashery, Shahriar | Elucidation of Molecular Processes in Antibiotic Resistance of Methicillin-Resistant Staphylococcus Aureus. | Pew Latin American Fellows Program | \$30,000 | 24 |

Awards received during the period Jul-01-2008 to Jul-31-2008

| Investigator(s) | Title | Sponsor | Dollars | Months |
|---|--|-----------------------------|-----------|--------|
| Department or Office: Civil Engineering and Geological Sciences | | | | |
| Kareem, Ahsan Madey, Gregory R. Kijewski-Correa, Tracy L. | VORTEX-Winds: A Virtual Organization for Reducing the Toll of EXtreme Winds on Society | National Science Foundation | \$50,000 | 24 |
| Kurama, Yahya C. | Reinforced Concrete Bearing Walls Subjected to Elevated Temperatures. | National Science Foundation | \$99,999 | 36 |
| Westerink, Joannes J. | Collaborative Research: NSF PetaApps Storm Surge Modeling on Petascale Computers. | National Science Foundation | \$103,810 | 48 |
| Department or Office: Computer Science & Engineering | | | | |
| Brockman, Jay B. Barabasi, Albert-Laszlo Kogge, Peter M. Chawla, Nitesh V. | Collaborative Research: CRI:IAD: Development of a Research Infrastructure for the Multithreaded Computing Community Using the Cray Eldorado Platform | National Science Foundation | \$5,000 | 60 |
| Chandra, Surendar | CAREER: Scalable Self Managing Multimedia Storage | National Science Foundation | \$12,000 | 50 |
| Poellabauer, Christian Striegel, Aaron | REU-Site: Experimental Research on Wireless Networking. | National Science Foundation | \$100,250 | 36 |
| Department or Office: Electrical Engineering | | | | |
| Antsaklis, Panos J. | Collaborative Research: Passivity-based Architecture for Software Design of Dynamic Networked Systems | National Science Foundation | \$300,002 | 36 |

Awards received during the period Jul-01-2008 to Jul-31-2008

| Investigator(s) | Title | Sponsor | Dollars | Months |
|---|--|---|----------------|---------------|
| Collins, Oliver M. | Signal Processing for Digital Analog Interface | National Science Foundation | \$270,216 | 36 |
| Fay, Patrick J. (Center or Institute) | Advanced Sensors for Millimeter-Wave Detection and Imaging | National Science Foundation | \$10,000 | 36 |
| Hall, Douglas C. (Center or Institute) | Vertical Intra-Cavity Pumped Erbium-Doped Waveguide Amplifier on GaAs. | National Science Foundation | \$300,000 | 36 |
| Merz, James L. (Center or Institute) | FRG: Tailoring the Properties of Dilute Nitride Semiconductor Heterostructures | University of Michigan | \$80,441 | 36 |
| Department or Office: | Irish Language and Literature | | | |
| O Conchubhair, Brian (Center or Institute) | An IIE-Designed FLTA Orientation. | Institute for International Education | \$49,486 | 2 |
| Department or Office: | Mathematics | | | |
| Cao, Jianguo | Global Riemannian Geometry and Analysis of Curved Spaces | National Science Foundation | \$39,450 | 36 |
| Department or Office: | Physics | | | |
| Bennett, David P. (Center or Institute) | Gravitational Microlensing Planet Search Observations and Analysis | National Aeronautics and Space Administration | \$115,000 | 36 |
| Eskildsen, Morten R. | Vortices and the Interplay Between Superconductivity and Magnetism. | National Science Foundation | \$110,000 | 12 |

Awards received during the period Jul-01-2008 to Jul-31-2008

| Investigator(s) | Title | Sponsor | Dollars | Months |
|--|---|---|----------------|---------------|
| Howk, Jay C. (Center or Institute) Balsara, Dinshaw S. | High-Velocity Clouds in the Galactic Environment: A Numerical Study Motivated by Observations | National Aeronautics and Space Administration | \$52,792 | 36 |
| Rettig, Terrence W. | Dust Settling in Protostellar Disks: Observations Supported by Theory. | National Aeronautics and Space Administration | \$40,000 | 12 |
| Sakimoto, Philip J. | Subcontract to The DePaul Space Science Center for Education and Outreach | DePaul University | \$48,742 | 6 |
| Wayne, Mitchell R. Hildreth, Michael D. Ruchti, Randal C. Karmgard, Daniel J. Jessop, Colin P. | USCMS Education and Outreach | University of California-Los Angeles | \$164,747 | 60 |
| Wayne, Mitchell R. Loughran, Thomas J. Karmgard, Daniel J. Goussiou, Anna Thain, Douglas L. | NSF Graduate Teaching Fellows in K-12 Education (GK-12) | National Science Foundation | \$517,100 | 60 |
| Department or Office: | Political Science | | | |
| Javeline, Debra | After Violence: Participation Over Retaliation in Beslan. | Nat'l Council for Eurasian and East European Research | \$50,000 | 24 |
| Department or Office: | Psychology | | | |
| Borkowski, John Gregg Whitman, Thomas Lee (Center or Institute) Maxwell, Scott E. Lefever, Jennifer E. | Precursors of Retardation in Children Health with Teen Mothers | National Institutes of Health | \$248,423 | 12 |

