



Recovery Act Awards

Total Awards to date: 17 Total Award Dollars: \$8,064,757 as of 09 Nov 09

Advanced Technology For Large Structural Systems

Richard Sause

National Science Foundation

NEESR-CR: Performance-Based Design for Cost-Effective Seismic Hazard Mitigation in New Buildings Using Supplemental Passive Damper Systems

Total Funding: \$710,691 **START_DATE:** 10/1/2009 **END_DATE:** 9/30/2012 **YEARS:** 3

Richard Sause

National Science Foundation

REU: NEESR-CR: Performance-Based Design for Cost-Effective Seismic Hazard Mitigation in New Buildings Using Supplemental Passive Damper Systems

Total Funding: \$36,000 **START_DATE:** 10/1/2009 **END_DATE:** 9/30/2012 **YEARS:** 3

Civil & Environmental Engineering

Sibel Pamucku

National Science Foundation

Wireless Signal Networks for Subsurface Modeling and Geo-Event Characterization

Total Funding: \$209,835 **START_DATE:** 8/1/2009 **END_DATE:** 7/31/2011 **YEARS:** 2

Computer Science & Engineering

Liang Cheng

National Science Foundation

NeTS: Small: Collaborative Research: An Integrated Environment-Independent Approach to Topology Control in Wireless Ad Hoc Networks

Total Funding: \$156,251 **START_DATE:** 8/1/2009 **END_DATE:** 7/31/2012 **YEARS:** 3

John R. Spletzer

National Science Foundation

CAREER: Towards Autonomous Wheelchair Systems in Urban Environments

Total Funding: \$400,000 **START_DATE:** 6/1/2009 **END_DATE:** 5/31/2014 **YEARS:** 5

John R. Spletzer

National Science Foundation

REU CAREER: Towards Autonomous Wheelchair Systems in Urban Environments

Total Funding: \$80,000 **START_DATE:** 6/1/2009 **END_DATE:** 5/31/2014 **YEARS:** 5

Earth & Environmental Sciences

Robert K. Booth

National Science Foundation

Continental Patterns of Moisture Anomalies Associated with Late Holocene Mid-Latitude Megadroughts

Total Funding: \$259,921 **START_DATE:** 9/1/2009 **END_DATE:** 8/31/2012 **YEARS:** 3

Bruce D. Idleman

National Science Foundation

*Collaborative Research: Sedimentary Basin Response to Paleocene-Eocene Spreading Ridge Subduction in South-Central Alaska***Total Funding:** \$68,282 **START_DATE:** 8/15/2009 **END_DATE:** 7/31/2011 **YEARS:** 2**Kenneth P. Kodama**

National Science Foundation

*Collaborative Research: A new perspective on the driving forces of controversial Middle Triassic cyclostratigraphy: a rock magnetic approach***Total Funding:** \$48,533 **START_DATE:** 10/1/2009 **END_DATE:** 8/31/2011 **YEARS:** 2**Zicheng Yu**

National Science Foundation

*Collaborative Research: Impacts of Climate Seasonality on Carbon Accumulation and Methane Emissions of Alaskan Ecosystems During the Holocene Thermal Maximum***Total Funding:** \$399,468 **START_DATE:** 8/1/2009 **END_DATE:** 7/31/2012 **YEARS:** 3**Electrical & Comp Engineering****Zhiyuan Yan**

National Science Foundation

*Scalable Bilinear Algorithms and Architectures for Convolutions and Transforms***Total Funding:** \$350,000 **START_DATE:** 9/1/2009 **END_DATE:** 8/31/2012 **YEARS:** 3**Environmental Initiative Program****Dork Sahagian**

National Science Foundation

*Collaborative Proposal: Ash Particles and the Bubbles that Make Them: Measuring Bubble Size from Ash Fragments for New Insights Regarding Eruption Dynamics***Total Funding:** \$299,748 **START_DATE:** 7/1/2009 **END_DATE:** 6/30/2012 **YEARS:** 3**Material Science & Engineering****Xuanhong Cheng**

DHHS-NIH-Director's Office

*A Microfluidic Device for Label-free HIV Virion Count at Point of Care Settings***Total Funding:** \$404,558 **START_DATE:** 6/5/2009 **END_DATE:** 5/31/2011 **YEARS:** 2**Himanshu Jain**

National Science Foundation

*International Materials Institute for New Functionality in Glass (IMI-NFG) - Phase II***Total Funding:** \$3,750,000 **START_DATE:** 8/1/2009 **END_DATE:** 7/31/2014 **YEARS:** 5**Richard Vinci**

National Science Foundation

*MRI: Acquisition of an Atomic Force Microscope (AFM) for Visualization, Assembly, and Analysis of Materials at the Nanometer and Molecular Scale***Total Funding:** \$249,467 **START_DATE:** 10/01/2009 **END_DATE:** 09/30/2012 **YEARS:** 3

Mechanical Engineering & Mechanics

Herman F. Nied

National Science Foundation

Thermoformed Composite Structures with Knitted Fiber Reinforcement

Total Funding: \$315,845

START_DATE: 7/1/2009

END_DATE: 6/30/2012

YEARS: 3

Eugenio Schuster

National Science Foundation

Integrated Shape, Current Profile, and Rotation Profile Control in DIII-D

Total Funding: \$326,158

START_DATE: 9/1/2009

END_DATE: 8/31/2012

YEARS: 3