

United States House of Representatives
Committee on the Judiciary
Lamar Smith, Chairman

"Truth in Testimony" Disclosure Form

Clause 2(g)(4) of Rule XI of the Rules of the House of Representatives require the disclosure of the following information by witnesses appearing in a nongovernmental capacity.

Hearing: Driving American Innovation: Creating Jobs and Boosting Our Economy
Date: Wednesday, March 9, 2011

1. Name: Kevin Scott Smith	2. Entity(ies) you are representing: University of North Carolina at Charlotte
3. Business Address and Telephone Number: [REDACTED]	Address: [REDACTED]
4. Have <u>you</u> received any Federal grants or contracts (including any subgrants and subcontracts) during the current fiscal year or either of the two preceding fiscal years that are relevant to the subject matter on which you have been invited to testify? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	5. Have any of the <u>entities that you are representing</u> received any Federal grants or contracts (including any subgrants or subcontracts) during the current fiscal year or either of the two preceding fiscal years that are relevant to the subject matter on which you have been invited to testify? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
6. If you answered "yes" to either item 4 or 5, please list the source (by agency and program) and amount of each grant, subgrant, contract, or subcontract, and indicate whether the recipient of such grant was you or the entity(ies) you are representing. <i>(Please use additional sheets if necessary.)</i> UNC Charlotte has multiple federal awards from many federal agencies. Attached is a list of the funding that came directly from federal sources. Our primary federal funding agencies are NSF, DOE, DOD, NIH with smaller amounts coming from other federal sources. Dr. Smith is listed explicitly at the bottom of page 7, and on page 18, for his research contracts with B&W Y-12, LLC. In addition, Dr. Smith has 2 current DARPA SBIR awards through his company, Manufacturing Laboratories, Inc.	
7. Signature: 	Date: March 7, 2011

FYTD 2011

AWARD NO	AWARD TITLE	AWARD AMOUNT	CURRENT PI	SPONSOR	AWARD ADMIN DEPT
A05-0002-006	Algorithms for Nonlinear Maxwell Equations in Nonhomogeneous Media and Photonic Resonant Waveguides with Coupled Microspheres	\$209,871.00	CAI, WEI	Dept of Energy	Mathematics and Statistics (Dpt)
A06-0025-010	ADVANCE: Institutional Transformation Award	\$516,464.00	LORDEN, JOAN	NSF	Academic Affairs (Dpt)
A07-0061-004	Numerical Methods for Fast and Accurate Calculation of Electrostatic Interactions in Biomolecular Simulations	\$356,400.00	CAI, WEI	DHHS/NIH/NIGMS	Mathematics and Statistics (Dpt)
A07-0074-004	New Approaches to Assess and Forestall Osteoarthritis in Injured Joints	\$36,695.00	WILLIS, ANDREW	DHHS/NIH/NIAMS	Elec & Computer Engineering (Dpt)
A07-0090-004	UNC Charlotte Writing Project	\$2,000.00	BRANNON, LILIAN	Dept of Education	English (Dpt)
A08-0002-008	Secondary Transition Technical Assistance Center	\$1,100,000.00	TEST, DAVID	Dept of Education	Special Ed & Child Dev (Dpt)
A08-0025-006	BPCAE - The STARS Alliance: A Southeastern Partnership for Broadening Participation in Computing	\$48,000.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A08-0046-003	A Proposal for Collecting Statewide Postschool Follow-up Data for Special Education Students	\$99,630.00	TEST, DAVID	Dept of Education	Special Ed & Child Dev (Dpt)
A08-0052-003	Crossing Borders: Empowering Nursing Students for Academic Success	\$246,683.00	EDWARDS, LENNE	DHHS/HRSA	School of Nursing (Sch)
A08-0109-002	Electromagnetic Scattering Studies	\$176,760.00	FIDDY, MICHAEL	DOD/Defense Advanced Research Projects Agency	Physics and Optical Science (Dpt)
A08-0212-003	Development of a Metrological Instrumented Indenter	\$6,336.00	SMITH, STUART	Dept of Commerce/NIST	Mechanical Engineering (Dpt)
A09-0014-003	REU Site: Socially Relevant Computing Research: Visualization, Virtual Environme	\$34,061.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A09-0025-003	National Science Foundation Graduate Research Fellowship Program	\$111,735.00	SELL, SUSAN	NSF	Graduate School (Dpt)
A09-0033-003	Representations and Metrics for Time-varying Terrain Surfaces	\$86,867.00	WARTTEL, ZACHARY	DOD/Army/Army Research Office	Computer Science (Dpt)
A10-0003-002	University of North Carolina at Charlotte PhD Program	\$197,453.00	BROWDER, DIANE	Dept of Education	Special Ed & Child Dev (dpt)

A10-0013-002	In Situ Form Metrology in Manufacturing by Combining Engineered Optical Scatteri	\$12,000.00	Davies, Angela	NSF	Physics And Optical Science (dpt)
A10-0031-002	Legacies of the African Diaspora in Brazil and the United States: Persistent Ine	\$71,449.00	Davila, Walter	Dept of Education	History (dpt)
A10-0050-002	UNC Charlotte GAANN Program for Computing and Informatics	\$175,020.00	Dahlberg, Teresa	Dept of Education	Computer Science (dpt)
A10-0095-003	Photonic Devices Based on Circuits of Supermonodispersive Spherical Cavities	\$118,000.00	ASTRATOV, VASILY	DOD/Army/Army Research Office	Physics and Optical Science (Dpt)
A10-0128-002	Characterization of Stability of Springs	\$23,806.00	Lawton, Kevin	Lawrence Livermore National Laboratory	Mechanical Engineering (dpt)
A10-0128-003	Characterization of Stability of Springs	\$5,000.00	Lawton, Kevin	Lawrence Livermore National Laboratory	Mechanical Engineering (dpt)
A10-0132-002	Induced Autoantigen Expression Exacerbates EAE	\$194,400.00	Bost, Kenneth	DHHS/NIH/NINDS	Biology (dpt)
A10-0133-002	CAREER: Towards Seamless Mobility in Cognitive Radio Wireless Networks	\$80,000.00	Xie, Jiang	NSF	Elec & Computer Engineering (dpt)
A10-0236-001	Fulbright English Refinement for Graduate Studies	\$124,373.00	Lambert, Susan	Institute of International Education	International Programs (dpt)
A11-0023-001	Estimation of Discrete Probability Distribution with a Pareto Tail	\$34,255.00	Zhang, Zhi	NSF	Mathematics And Statistics (dpt)
A11-0024-001	Structure Protection Project: Evaluation of Coating and Wrapping Systems for Str	\$60,000.00	Zhou, Axi	USDA	Engineering Technology (dpt)
A11-0026-001	Computer Simulations in the Humanities	\$154,589.00	Croy, Marvin	National Endowment for the Humanities	Philosophy (dpt)
A11-0031-001	Propagation of Waves in Complex Media, and Analysis of Small Noises	\$197,549.00	Molchanov, Stanislav	NSF	Mathematics And Statistics (dpt)
A11-0032-001	Influence of stormwater management structures on ecological function in urban st	\$320,121.00	McMillan, Sara	NSF	Engineering Technology (dpt)
A11-0034-001	EAGER:FODAVA: Spectral Analysis for Fraud Detection in Large-scale Networks	\$100,000.00	Wu, Xintao	NSF	Software & Info Systems (dpt)
A11-0035-001	CSR:Small:Collaborative Research: Towards Collaborative Overlay Problem Diagnosi	\$250,000.00	Al-Shaer, Ehab	NSF	Software & Info Systems (dpt)
A11-0036-001	ACM CCS 2010 Student Travel Sponsorship Award	\$10,000.00	Al-Shaer, Ehab	DOD/Army/Army Research Office	Software & Info Systems (dpt)
A11-0038-001	Dance History:Enriching the Future	\$15,000.00	Sofras, Pamela	National Endowment for the Arts	Department Of Dance

A11-0039-001	Novel FEL Cavity Optic	\$194,296.00	Johnson, Eric	DOD/Navy/Office of Naval Research	Physics And Optical Science (dpt)
A11-0041-001	Transforming and Integrating: Evolving Construction Methods and Materials to the	\$149,999.00	Cho, Chung-Suk	NSF	Engineering Technology (dpt)
A11-0042-001	Rapid Injection NMR Studies of Copper (I) and Copper (III) Organocuprates	\$375,000.00	Ogle, Craig	NSF	Chemistry (dpt)
A11-0046-001	RE-MEASUREMENT and ANALYSIS OF Long-term IMPACTS of Phytosphthora ramorum in MIXE	\$76,540.00	Meentemeyer, Ross	USDA	Geography And Earth Science (dpt)
A11-0047-001	Net-Zero Energy Building Operator Training Program	\$292,330.00	Brizendine, Anthony	Dept of Energy	Engineering Technology (dpt)
A11-0050-001	EAGER: Topology Design in Socio-Temporal Evolving Wireless Networks	\$149,154.00	Wang, Yu	NSF	Computer Science (dpt)
A11-0051-001	Material removal mechanisms in vortex machining	\$350,745.00	Smith, Stuart	NSF	Mechanical Engineering (dpt)
A11-0054-001	Microwave Circulators Based on Magnetostatic Waves	\$330,000.00	Adams, Ryan	NSF	Elec & Computer Engineering (dpt)
A11-0056-001	SI2-SSE: Reducing the Complexity of Comparative Genomics with Online Analytical	\$448,253.00	Kosara, Robert	NSF	Computer Science (dpt)
A11-0057-001	Can Urbanization, Forest and Working Lands Coexist? Hierarchical Analysis and M	\$286,034.00	Meentemeyer, Ross	NSF	Geography And Earth Science (dpt)
A11-0059-001	Constrained Lagrangian and Hamiltonian Mechanics in Fluid-Body Interactions: Ana	\$200,000.00	Kelly, Scott	NSF	Mechanical Engineering (dpt)
A11-0060-001	Finding the roots: Interactive influences of individual, secondary school, and c	\$242,551.00	Stearns, Mary	NSF	Sociology (dpt)
A11-0061-001	Collaborative Research: Towards Real-time, High throughput Insect Behavior Analy	\$223,825.00	Shin, Min	NSF	Computer Science (dpt)
A11-0062-001	Collaborative Research: Work-Family Policy Effects on the Cross-National Incide	\$56,966.00	Smith, Stephanie	NSF	Sociology (dpt)
A11-0063-001	Collaboration Research: A Study of the Transition of Knot Space from Confinement	\$73,847.00	Diao, Yuanan	NSF	Mathematics And Statistics (dpt)
A11-0064-001	Complex Adaptive Systems: Resilience, Robustness, and Evolvability: Symposia Sup	\$15,000.00	Hadzikadic, Mirsad	NSF	Software & Info Systems (dpt)

A11-0065-001	RI: Small: A Hybrid Approach For Meta-level Control Across Agent Boundaries	\$151,653.00	Raja, Anita	NSF		College Of Computing And Informatics
A11-0067-001	Numerical Methods for Wave Propagations in Inhomogeneous Media	\$200,000.00	Cai, Wei	NSF		Mathematics And Statistics (dpt)
A11-0071-001	Meshfree Particle Methods for analysis of elastic Plates and Shells	\$118,165.00	Oh, Hae	NSF		College Of Liberal Arts & Sciences (dpt)
A11-0072-001	Collaborative Research: BPC-LSA: ACM SIGBR: Forming an ACM Special Interest Group	\$144,648.00	Dahlberg, Teresa	NSF		Computer Science (dpt)
A11-0074-001	3D Meta-Optics for High Energy Lasers	\$75,000.00	Johnson, Eric	DOD/Air Force/Office of Scientific Research		Optoelectronics Center (dpt)
A11-0074-002	3D Meta-Optics for High Energy Lasers	\$200,000.00	Johnson, Eric	DOD/Air Force/Office of Scientific Research		Optoelectronics Center (dpt)
A11-0084-001	Student Support Services Program	\$267,958.00	Ross, Charlynn	Dept of Education		Academic Services (dpt)
A11-0087-001	Nanometer-scale surface measurement instrumentation	\$336,256.00	Smith, Stuart	National Institute of Standards and Technology		Mechanical Engineering (dpt)
A11-0088-001	Guidance Algorithms for Laser Guided Mortar	\$25,145.00	Sherlock, Barry	DOD/Navy/Naval Surface Warfare Center		Engineering Technology (dpt)
A11-0090-001	Arabidopsis 2010: Analysis of the cytokinin-regulated transcriptional network	\$134,340.00	Lorraine, Ann	NSF		Bioinformatics & Genomics (dpt)
A11-0091-001	Visualizing Uncertainty in Conceptual & Numerical Models	\$31,338.00	Kosara, Robert	Pacific Northwest National Laboratory (PNNL)		Computer Science (dpt)
A11-0094-001	UNC Charlotte DoD IASP Research and Education Partnership, An IDE-Based Tool for	\$2,198.00	Chu, Bei-Tseng	DOD/National Security Agency		Software & Info Systems (dpt)
A11-0097-001	Acquisition Risks in a World of Joint Capabilities	\$119,521.00	Brown, Mary	NPS (Naval Postgraduate School)		Political Science (dpt)
A11-0101-001	The Role of IDO in MUC-1 Targeted Immunotherapy	\$106,724.00	Mukherjee, Pinku	DOD/Army/Medical Res Matl Command		Biology (dpt)
A11-0102-001	CAREER: A New Generation of Scalable Intelligent Supervisory Loop Based Algorith	\$140,118.00	Kamalasadan, Sukumar	NSF		Elec & Computer Engineering (dpt)
A11-0102-002	CAREER: A New Generation of Scalable Intelligent Supervisory Loop Based Algorith	\$78,748.00	Kamalasadan, Sukumar	NSF		Elec & Computer Engineering (dpt)
A11-0104-001	BPC-AE ? Scaling the STARS Alliance: A National Community for Broadening Partic	\$750,000.00	Dahlberg, Teresa	NSF		Computer Science (dpt)
A11-0108-001	Bone Content and Metabolism of Sex Steroid Hormones	\$32,000.00	Zheng, Naiguan	VA Medical Ctr		Mechanical Engineering (dpt)

A11-0110-001	UMCC Lunabotics Senior Design Project	\$4,000.00	Schmidt, Peter	NASA	Engineering Technology (dpt)
A11-0120-001	Eusebius of Caesarea: Text and Tradition in Late Ancient Christianity	\$50,400.00	Schott, Jeremy	National Endowment for the Humanities	Religious Studies (dpt)
A11-0130-001	IUCRC for Metamaterials	\$55,000.00	Fiddy, Michael	NSF	Optoelectronics Center (dpt)
A11-0138-001	A Study of the Effects of a Three-Tier Model of Interagency Collaboration on Tra	\$589,200.00	Test, David	Dept of Education	Special Ed & Child Dev (dpt)
A11-0144-001	Development and Operation of a Web GIS-enabled Data Management System for the	\$21,102.00	Tang, Wenwu	USDA	Geography And Earth Science (dpt)
	Sa				
Total Award Amount:		\$12,272,571.00			

FY 2010

AWARD NO	AWARD TITLE	AWARD AMOUNT	CURRENT PI	SPONSOR	AWARD ADMIN DEPT
A04-0020-008	CAREER - Physiological and molecular mechanisms of cadmium and temperature action on mitochondrial bioenergetics in marine mollusks	\$5,975.00	SOKOLOVA, INNA	NSF	Biology (Dpt)
A05-0002-004	Algorithms for Nonlinear Maxwell Equations in Nonhomogeneous Media and Photonic Resonant Waveguides with Coupled Microspheres	\$212,268.00	CAI, WEI	Dept of Energy	Mathematics and Statistics (Dpt)
A05-0028-005	Project BEST: Building Educational Strengths and Talents	\$280,803.00	LUCAS, M. TERRE	Dept of Education	Univ Ctr for Acad Excellence (Dpt)
A05-0125-005	Biophysical Optimization of Oligonucleotide Microarrays	\$373,034.00	GIBAS, CYNTHIA	DHHS/NIH/NIIGMS	Bioinformatics & Genomics (Dpt)
A05-0185-007	Characterization of Stability of Springs	\$27,926.00	LAWTON, KEVIN	Lawrence Livermore National Laboratory	Mechanical Engineering (Dpt)
A06-0022-005	CAREER: Towards Privacy and Confidentiality Preserving Databases	\$95,883.00	WU, XINTAO	NSF	Software & Info Systems (Dpt)
A06-0025-009	ADVANCE: Institutional Transformation Award	\$578,645.00	LORDEN, JOAN	NSF	Academic Affairs (Dpt)
A06-0049-005	Substance P exacerbation of CNS inflammation	\$251,683.00	MARRIOTT, IAN	DHHS/NIH/NIINDS	Biology (Dpt)
A06-0084-003	Phytophthora ramorum and sudden oak death: feedback between a generalist pathogen, hosts and heterogeneous environments at multiple spatial and temporal scales	\$7,500.00	MEENTEMEYER, ROSS	NSF	Geography and Earth Science (Dpt)
A07-0008-008	Regulation of sinusoidal perfusion in shock	\$210,885.00	CLEMENS, MARK	DHHS/NIH/NIIDDK	Biology (Dpt)
A07-0016-003	Computational Optical Tomography for Anti-stroke Therapy	\$38,046.00	KLIBANOV, MICHAEL	DHHS/NIH/NIINDS	Mathematics and Statistics (Dpt)
A07-0022-003	Multi-scale and Multi-physics Numerical Methods For Modeling Transport in Mesoscopic Systems	\$92,763.00	CAI, WEI	DOD/Army/Army Research Office	Mathematics and Statistics (Dpt)
A07-0061-003	Numerical Methods for Fast and Accurate Calculation of Electrostatic Interactions in Biomolecular Simulations	\$360,000.00	CAI, WEI	DHHS/NIH/NIIGMS	Mathematics and Statistics (Dpt)
A07-0063-003	UNC Charlotte GAANN Fellowships for Computing	\$217,760.00	DAHLBERG, TERESA	Dept of Education	Computer Science (Dpt)

A07-0074-003	New Approaches to Assess and Forestall Osteoarthritis in Injured Joints	\$35,627.00	WILLIS, ANDREW	DHHS/NIH/NIAMS	Elce & Computer Engineering (Dpt)
A07-0090-002	UNC Charlotte Writing Project	\$46,000.00	BRANNON, LILLIAN	Dept of Education	English (Dpt)
A07-0090-003	UNC Charlotte Writing Project	\$5,000.00	BRANNON, LILLIAN	Dept of Education	English (Dpt)
A07-0093-002	NOSS: Topology and Routing Design for Three-Dimensional Sensor Networks: Geometric Approaches	\$83,851.00	WANG, YU	NSF	Computer Science (Dpt)
A08-0003-007	Statistical Methods in HIV Vaccine Efficacy Trials	\$78,121.00	SUN, YANQING	DHHS/NIH/NIAMD	Mathematics and Statistics (Dpt)
A08-0003-008	Statistical Methods in HIV Vaccine Efficacy Trials	\$20,145.00	SUN, YANQING	DHHS/NIH/NIAMD	Mathematics and Statistics (Dpt)
A08-0007-004	MDMA alters immunity to infections of the peripheral and central nervous systems	\$244,490.00	BOST, KENNETH	DHHS/NIH/NIIDA	Biology (Dpt)
A08-0008-003	An Outcome Evaluation of the ACT Parent Raising Safe Kids Program	\$193,597.00	PORTWOOD, SHARON	DHHS/CDC	Institute for Social Capital (Dpt)
A08-0025-005	BPC-AE - The STARS Alliance: A Southeastern Partnership for Broadening Participation in Computing	\$840,521.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A08-0029-003	Generation and Use of 'Superbeams' in Turbulence and Scattering Applications	\$66,893.00	GBUR, GREGORY	DOD/Air Force/Office of Scientific Research	Physics and Optical Science (Dpt)
A08-0036-003	CAREER: An Innovative Look at Precision Polishing Dynamics	\$6,000.00	MULLANY, BRIGID	NSF	Mechanical Engineering (Dpt)
A08-0037-002	CAREER: Boron-based One-dimensional Nanostructures for Thermoelectric Energy Conversion	\$6,000.00	XU, TERRY	NSF	Mechanical Engineering (Dpt)
A08-0039-002	Feasibility of Delivering a Text Messaging Enhanced Adolescent HIV Curriculum	\$216,000.00	CORNELIUS, JUDITH	DHHS/NIH/NIINR	School of Nursing (Sch)
A08-0047-004	IDBR Automated Image Analysis for Discovering Motion Behavior in Video	\$142,360.00	SHIN, MIN	NSF	Computer Science (Dpt)
A08-0051-003	Self-Care Practices Among Intergenerational African American Families with Chronic Illness	\$61,908.00	WARREN-FINDLOW, JAN	DHHS/NIH/NIIA	Public Health Sciences (Dpt)
A08-0052-002	Crossing Borders: Empowering Nursing Students for Academic Success	\$242,355.00	EDWARDS, LENNE	DHHS/HRSA	School of Nursing (Sch)
A08-0064-002	Mechanisms of Trans-Repression by Myc in Drosophila	\$70,000.00	GOODLIFFE, JULIE	DHHS/NIH/NCI	Biology (Dpt)
A08-0073-002	Protein Stabilization in Ionic Liquids	\$180,000.00	ELLIOTT, GLORIA	DHHS/NIH/NIIBIB	Mechanical Engineering (Dpt)
A08-0076-005	Agile Probing and Chip Breaking	\$24,271.00	SMITH, SCOTT	B&W-Y-12, LLC	Mechanical Engineering (Dpt)

A08-0083-003	Intergovernmental Personnel Act	\$9,005.00	JOHNSON, ERIC	NSF	Optoelectronics Center (Dpt)
A08-0097-004	The Second Generation of Globally Convergent Numerical Methods for Coefficient Inverse Problems	\$124,166.00	KLIBANOV, MICHAEL	DOD/Army/Army Research Office	Mathematics and Statistics (Dpt)
A08-0123-002	Mesoscale Structures and Photonics Devices based on Coupled Spherical Cavities	\$6,000.00	ASTRATOV, VASILY	NSF	Physics and Optical Science (Dpt)
A08-0134-004	Post-Processing, Characterization, and Evaluation of Bulk Nanostructured Refractory Metals and Alloys Fabricated using Severe Plastic Deformation and Thermomechanical Treatment	\$80,000.00	WEI, QIUMING	DOD/Army/Army Research Lab	Mechanical Engineering (Dpt)
A08-0161-002	Collaborative Project: Carolina Cyber Defense Scholarship	\$148,206.00	CHU, BEI-TSENG	NSF	Software & Info Systems (Dpt)
A08-0166-003	Investigation of Richtmyer-Meshkov Instability	\$98,000.00	RAMAPRABHU, PRAVEEN	Los Alamos National Laboratory	Mechanical Engineering (Dpt)
A09-0010-002	Fertility and Oral Contraceptive Use Study (FOCUS)	\$180,000.00	HUBER, LARISSA	DHHS/NIH/NICHD	Public Health Sciences (Dpt)
A09-0011-003	Role of MUC1 in Pancreatic Cancer	\$248,188.00	MUKHERJEE, PINKU	DHHS/NIH/NCI	Biology (Dpt)
A09-0013-002	REU Site: Nanoscale Science Undergraduate Research Experiences (NanosURE) at UNC	\$80,270.00	BROWN, BANITA	NSF	Chemistry (Dpt)
A09-0014-002	REU Site: Socially Relevant Computing Research: Visualization, Virtual Environme	\$59,500.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A09-0025-002	National Science Foundation Graduate Research Fellowship Program	\$81,000.00	SELL, SUSAN	NSF	Graduate School (Dpt)
A09-0033-002	Representations and Metrics for Time-varying Terrain Surfaces	\$86,872.00	WARTTELL, ZACHARY	DOD/Army/Army Research Office	Computer Science (Dpt)
A09-0040-002	Using a Community Based Participatory Research Approach to Examine Family Support	\$180,000.00	COOK, JAMES	DHHS/NIH/NIMH	Psychology (Dpt)
A09-0047-002	Advancement of US National Standards for Coordinate Measuring Machines and Their	\$8,640.00	Morse, Edward	Dept of Commerce/NIST	Mechanical Engineering (dpt)
A09-0071-002	Compact Semiconductor Blue Light Optical Source Arrays	\$243,544.00	Johnson, Eric	DOD/Navy/Office of Naval Research	Physics And Optical Science (dpt)
A09-0120-003	The Enhancement of the Existing AWARE BASICS Program to a BASICS Stepped Care Re	\$399,997.00	KAZEMI, DONNA	DHHS/SAMHSA	School of Nursing (Sch)

A09-0136-001	IIE-Designed Fulbright Pre-Academic Program	\$108,291.00	Lambert, Susan	Institute of International Education	International Programs (dpt)
A09-0138-001	Deriving and Applying Cognitive Principles for Human/Computer Approaches to Comp	\$200,000.00	RIBARSKY, WILLIAM	Dept of Homeland Security	Computer Science (dpt)
A09-0147-001	CSR-DMSS, SM: Conf/veal: Automated Testing of Security Configuration Enforcement	\$212,940.00	Al-Shaer, Ehab	NSF	Software & Info Systems (dpt)
A10-0007-002	An Investigation of Physical Weathering on Mars Using New Web-Based, User-Friend	\$85,168.00	EPPES, MARTHA	NASA	Geography and Earth Science (Dpt)
A10-0011-002	Nurse Anesthetist Traineeship	\$14,695.00	Foss, Gwendolyn	DHHS/HRSA	School of Nursing (Sch)
A10-0018-002	Collaborative Preservice: Preparing Excellent Teachers for All Students	\$92,008.00	ANDERSON, KELLY	Dept of Education	Special Ed & Child Dev (Dpt)
A10-0019-001	Quantile Regression for Multivariate Time Series Models with Functional Coeffici	\$99,999.00	JIANG, JIANCHENG	NSF	Mathematics and Statistics (Dpt)
A10-0027-001	CAREER: A Structure-Based Approach to Transcription Factor-binding Site Predicti	\$765,392.00	GUO, JUN-TAO	NSF	Bioinformatics & Genomics (Dpt)
A10-0029-001	Can Multi-scale Optics be Fabricated by Ultraprecision Systems - Hierarchical Fa	\$299,999.00	Davies, Matthew	NSF	Mechanical Engineering (dpt)
A10-0032-001	Collaborative Research: Planning Grant: I/U CRC for Metamaterials	\$9,999.00	Fiddy, Michael	NSF	Optoelectronics Center (dpt)
A10-0035-001	RI-Medium: Collaborative Research: Real-Time Continuum Manipulation	\$73,165.00	XIAO, JING	NSF	College Of Computing and Informatics
A10-0035-002	RI-Medium: Collaborative Research: Real-Time Continuum Manipulation	\$86,598.00	XIAO, JING	NSF	College Of Computing and Informatics
A10-0036-001	NETS:Small:Collaborative Research: An Integrated Environment-Independent Approac	\$149,991.00	Wang, Yu	NSF	Computer Science (dpt)
A10-0038-001	Development of a Low Cost Form of Maglev Transportation Using Electrodynamc Whe	\$349,134.00	Bird, Jonathan	NSF	Elec & Computer Engineering (dpt)
A10-0041-001	Annotating the Cis-Regulatory Binding Sites in Sequenced Prokaryotic Genomes	\$1,202,998.00	SU, ZHENGGUANG	NSF	Bioinformatics & Genomics (Dpt)
A10-0044-001	Artifacts for Metrological Assessment of Point Projection Measuring Processes	\$3,024.00	Smith, Stuart	Lawrence Livermore National Laboratory	Mechanical Engineering (dpt)

A10-0045-001	NeTS: Small: Cross-layer Design for Seamless Mobility Support in Hybrid Wireless	\$275,000.00	Xie, Jiang	NSF	Elec & Computer Engineering (dpt)
A10-0046-001	EAGER: Link Free Graph Visualization for Exploring Large Complex Graphs	\$144,444.00	Yang, Jing	NSF	Computer Science (dpt)
A10-0049-001	IL-NEW: Versatile Hardware Emulator for ISM-band Network Management	\$254,073.00	XIE, JIANG	NSF	Elec & Computer Engineering (Dpt)
A10-0049-002	IL-NEW: Versatile Hardware Emulator for ISM-band Network Management	\$16,000.00	XIE, JIANG	NSF	Elec & Computer Engineering (Dpt)
A10-0050-001	UNC Charlotte GAANN Program for Computing and Informatics	\$174,208.00	Dahlberg, Teresa	Dept of Education	Computer Science (dpt)
A10-0052-001	Regulation of Sinusoidal Perfusion in Shock	\$37,287.00	Clemens, Mark	DHHS/NIH/NIDDK	Biology (dpt)
A10-0052-002	Regulation of Sinusoidal Perfusion in Shock	\$103,313.00	Clemens, Mark	DHHS/NIH/NIDDK	Biology (dpt)
A10-0053-002	Etiology of Translocations in Hematopoietic Cells	\$255,915.00	RICHARDSON, CHRISTINE	DHHS/NIH/NCI	Biology (Dpt)
A10-0055-001	Waste Information Modeling (WIM) for Construction of the Built Environment	\$10,000.00	Beorkrem, Christopher	EPA	College Of Arts And Architecture
A10-0056-001	LIT: Interactive Effects of Multiple Environmental Stressors on Mitochondrial Me	\$250,000.00	Sokolova, Inna	NSF	Biology (dpt)
A10-0057-001	Collaborative Research: RAPID: Developing Real Time Metrics on the Effects of AR	\$108,616.00	Strumsky, Deborah	NSF	Geography and Earth Science (Dpt)
A10-0058-001	Evaluate the Mechanism of Enhanced Metastasis Induced by Arthritis	\$162,000.00	Roy, Lopamudra Das	DOD/Army	Biology (dpt)
A10-0060-001	Globally Convergent Inverse Reconstruction Algorithms for Detection and Identifi	\$50,000.00	Kilbanov, Michael	DOD/Army/Army Research Office	Mathematics And Statistics (dpt)
A10-0063-001	SHF:Small:Collaborative Research: Constraint-Based Generation of Database States	\$203,729.00	Wu, Xintao	NSF	Software & Info Systems (dpt)
A10-0064-001	IL-NEW: Collaborative Research: Spam Processing, Archiving, and Monitoring Commu	\$120,000.00	KANG, BRENT	NSF	Software & Info Systems (Dpt)
A10-0066-001	Planning Visit: U.S. ? Japan Research on Effective Fast Robust Control of a Prec	\$9,937.00	Wang, Sheng-Guo	NSF	Engineering Technology (dpt)
A10-0067-001	Efficient Analysis of Competing Risks Model with Missing Data	\$120,000.00	SUN, YANQING	NSF	Mathematics and Statistics (Dpt)

A10-0070-001	Novel Intracellular Pattern Recognition Receptor Expression by Resident CNS Cell	\$65,400.00	Mariotti, Ian	DHHS/NIH/NIINDS	Biology (dpt)
A10-0071-001	Bone Tissue Engineering Scaffold for Infection Treatment and Tissue Regeneration	\$75,000.00	EL-GHANNAM, AHMED	DOD	Mechanical Engineering (Dpt)
A10-0072-001	Functional Dynamics of the Myosin Molecular Motor	\$75,611.00	Nesmelov, Yuri	DHHS/NIH/NIAMS	Physics And Optical Science (dpt)
A10-0072-002	Functional Dynamics of the Myosin Molecular Motor	\$116,273.00	Nesmelov, Yuri	DHHS/NIH/NIAMS	Physics And Optical Science (dpt)
A10-0073-001	The Department of Defense (DoD) Carolinas Cyber-Defender Scholarship Program	\$37,852.00	Chu, Bei-Tseng	DOD/National Security Agency	Software & Info Systems (dpt)
A10-0073-002	The Department of Defense (DoD) Carolinas Cyber-Defender Scholarship Program	\$35,306.00	Chu, Bei-Tseng	DOD/National Security Agency	Software & Info Systems (dpt)
A10-0075-001	SDS Program	\$53,651.00	Rowan, Diana	DHHS/HRSA	School Of Nursing (sch)
A10-0076-001	Complex Adaptive Systems and the Threshold Effect: Views from the Natural and So	\$48,060.00	Hadzikadic, Mirsad	NSF	Software & Info Systems (dpt)
A10-0078-001	Collaborative Research: NSCC/SA: Terror, Conflict Processes, Organizations, & Id	\$100,000.00	CHANG, REMCO	NSF	Computer Science (Dpt)
A10-0080-001	IWFE-International Workshop on Forensic Engineering	\$31,823.00	Chen, Shen-En	NSF	Civil And Environmental Engr (dpt)
A10-0081-001	Collaborative Research: Topological Characterization of DNA Organization in Bact	\$280,000.00	Diao, Yuanan	NSF	Mathematics And Statistics (dpt)
A10-0082-001	Lunar Regolith Excavator and Student Competition Support Proposal	\$5,000.00	Gehrig, Gary	National Space Grant Foundation	Engineering Technology (dpt)
A10-0084-001	Biophysical Optimization of Oligonucleotide Microarrays	\$69,768.00	Gibas, Cynthia	DHHS/NIH/NIGMS	Bioinformatics & Genomics (Dpt)
A10-0093-001	Collaborative Research: Hands-on Exercises on DETER Testbed for Security Educati	\$98,627.00	Kang, Brent	NSF	Software & Info Systems (dpt)
A10-0094-001	Semi-automated 3D Geo-coding of Large Urban Structures for Deployment of Effect	\$399,995.00	Ribarsky, Martin	Dept of Justice/NIJ	Computer Science (dpt)
A10-0095-001	Photonic Devices Based on Circuits of Supermonodisperse Spherical Cavities	\$92,000.00	ASTRATOV, VASILY	DOD/Army/Army Research Office	Physics and Optical Science (Dpt)

A10-0095-002	Photonic Devices Based on Circuits of Supermonodisperse Spherical Cavities	\$115,000.00	ASTRATOV, VASILY	DOD/Army/Army Research Office	Physics and Optical Science (Dpt)
A10-0112-001	Set-Theoretic Methods in the Study of Compact Spaces	\$99,829.00	DOW, ALAN	NSF	Mathematics and Statistics (Dpt)
A10-0116-001	S-STEM: STARS Leadership Corps Computing Scholars: Pathways from Community Colle	\$600,000.00	Dahlberg, Teresa	NSF	Computer Science (dpt)
A10-0126-001	Integrated Remote Sensing and Visualization (IRSV) System for Transportation Inf	\$1,385,825.00	Chen, Shen-En	DOT	Civil And Environmental Engr (dpt)
A10-0128-001	Characterization of Stability of Springs	\$23,806.00	Lawton, Kevin	Lawrence Livermore National Laboratory	Mechanical Engineering (dpt)
A10-0132-001	Induced Autoantigen Expression Exacerbates EAE	\$180,000.00	Bost, Kenneth	DHHS/NIH/NIINDS	Biology (dpt)
A10-0133-001	CAREER: Towards Seamless Mobility in Cognitive Radio Wireless Networks	\$80,000.00	Xie, Jiang	NSF	Elec & Computer Engineering (dpt)
A10-0144-001	Acquisition Risks in a World of Joint Capabilities	\$119,778.00	Brown, Mary	NPS (Naval Postgraduate School)	Political Science (dpt)
A10-0146-001	Hunger and Environmental Destruction in Brazil? Forgotten Ethanol Boom, 1971-19	\$9,600.00	ROGERS, THOMAS	Council for International Exchange of Scholars	Africana Studies (Dpt)
A10-0150-001	Planning for an Industry/University Cooperative Research Center for Sustainable	\$13,000.00	Hilger, Helene	NSF	Civil And Environmental Engr (dpt)
A10-0154-001	Role of RIG-like receptors in vitally induced CNS inflammation	\$69,800.00	Grdzelskivili, Valery	DHHS/NIH	Biology (dpt)
A10-0156-001	III-CXT: Enabling Automated Digital Microfluidic Biochips for Combinatorial Bios	\$331,260.00	Akella, Srinivas	NSF	Computer Science (dpt)
A10-0157-001	Global Verification and Dynamic Optimization of Network Security Policies	\$192,602.00	Al-Shaer, Ehab	NSF	Software & Info Systems (dpt)
A10-0162-001	Adaptive Management of Phytophthora ramorum in the Big Sur Ecoregion: Links Betw	\$67,256.00	Meentemeyer, Ross	USDA	Geography and Earth Science (Dpt)
A10-0167-001	Predicting Protein Flexibility and Stability (supplement)	\$102,125.00	Jacobs, Donald	DHHS/NIH/NIIGMS	Physics And Optical Science (dpt)
A10-0169-001	The Mechanism of Myosin ATPase Actin Activation	\$405,468.00	Nesmelov, Yuri	DHHS/NIH/NIAMS	Physics And Optical Science (dpt)
A10-0176-001	Collaborative Research: RCN: Integrative Pollen Biology	\$12,894.00	Lorraine, Ann	NSF	Bioinformatics & Genomics (Dpt)

A10-0178-001	High Performance Computing in Computational Biology	\$474,288.00	Livesay, Dennis	DHHS/NIH/NCRR	Bioinformatics & Genomics (Dpt)
A10-0184-001	ESMD Senior Design Project	\$24,000.00	Schmidt, Peter	NASA	Engineering Technology (dpt)
A10-0195-001	Automatic Indexing of Polyphonic Music Based on Cascade Classifiers	\$35,934.00	Ras, Zbigniew	NSF	Computer Science (dpt)
A10-0206-001	Collaborative Research: LIT: Interactive Effects of Elevated Temperature and CO2	\$309,351.00	Sokolova, Inna	NSF	Biology (dpt)
A10-0209-001	Biopsychosocial determinants of weight gain in Black first-year college women	\$451,795.00	Webb, Jennifer	DHHS/NIH	Psychology (dpt)
A10-0221-001	NASA Graduate Student Researchers Program (GSRP) FY 2010 - Developing smart phon	\$30,000.00	Barnes, Tiffany	NASA	Computer Science (dpt)
A10-0230-001	Tools for Focused and Deep Analyses of a Unique NSF Data Collection	\$24,899.00	Yang, Jing	NSF	Computer Science (dpt)
A10-0237-001	Racial Discrimination & Slavery Issues	\$7,140.00	Smith, John David	Dept of State	History (dpt)
A11-0002-001	II-NEW: Implementation of an Architecture Simulation Platform with a Virtualized	\$119,366.00	Mukherjee, Arindam	NSF	Elec & Computer Engineering (dpt)
A11-0004-001	Investigations of Next-generation Network Reconnaissance Attack Techniques and L	\$145,000.00	Al-Shaer, Ehab	NSF	Software & Info Systems (dpt)
A11-0012-001	Advanced Education Nursing Traineeships	\$28,251.00	Foss, Gwendolyn	DHHS/HRSA	School Of Nursing (sch)
A11-0013-001	Do Professional Communities Improve K-16 Curricula Mastery and Augment Mathemati	\$239,180.00	Smith, Stephanie	Dept of Education	Sociology (dpt)
A11-0014-001	Selective Growth of Transition Metal Oxide Nanowires for Nanoscale Smart Devices	\$224,439.00	Zhang, HaiTao	NSF	Mechanical Engineering (dpt)
A11-0016-001	Computers for Globally Convergent Numerical Methods for Coefficient Inverse Prob	\$74,000.00	Kilbanov, Michael	DDO/Army/Army Research Office	Mathematics And Statistics (dpt)
A11-0018-003	ARRA-Scholarships for Disadvantaged Students	\$23,792.00	Ezell, Mark	DHHS/HRSA	Social Work (dpt)
A11-0018-004	ARRA-Scholarships for Disadvantaged Students	\$66,915.00	Ezell, Mark	DHHS/HRSA	Social Work (dpt)

A11-0019-001	Collaborative Research: Manipulation of Suspended Microparticles via Localized F	\$252,955.00	Kelly, Scott	NSF	Mechanical Engineering (dpt)
A11-0020-001	Graphite-Silicon Superlattice	\$50,000.00	Zhang, Yong	DOD/Army/Army Research Office	Elec & Computer Engineering (dpt)
A11-0022-001	Scholarships for Disadvantaged Students	\$36,273.00	Ezell, Mark	DHHS/HRSA	Social Work (dpt)
A11-0022-002	Scholarships for Disadvantaged Students	\$101,306.00	Ezell, Mark	DHHS/HRSA	Social Work (dpt)
Total Award Amount:		\$21,509,114.00			

Fy 2009

AWARD NO	AWARD TITLE	AWARD AMOUNT	CURRENT PI	SPONSOR	AWARD ADMIN DEPT
A05-0002-005	Algorithms for Nonlinear Maxwell Equations in Nonhomogeneous Media and Photonic Resonant Waveguides with Coupled Microspheres	\$209,032.00	CAI, WEI	Dept of Energy	Mathematics and Statistics (Dpt)
A05-0016-005	Genetic Factors Responsible for Exercise Endurance	\$325,494.00	LIGHTFOOT, J TIMOTHY	DHHS/NIH/NIAMS	Kinesiology (Dpt)
A05-0028-004	Project BEST: Building Educational Strengths and Talents	\$260,153.00	LUCAS, M. TERRE	Dept of Education	Univ Ctr for Acad Excellence (Dpt)
A05-0057-002	Collaborative Project: Carolina Cyber Defense Scholarship	\$29,100.00	CHU, BEL-TSENG	NSF	Software & Info Systems (Dpt)
A05-0100-003	Adaptive management of Phytophthora ramorum in the Big Sur Ecoregion	\$59,108.00	MEENTEMEYER, ROSS	USDA	Geography and Earth Science (Dpt)
A05-0125-003	Biophysical Optimization of Oligonucleotide Microarrays	\$323,801.00	GIBAS, CYNTHIA	DHHS/NIH/NIGMS	Bioinformatics & Genomics (Dpt)
A05-0185-001	Characterization of Stability of Springs	\$25,000.00	LAWTON, KEVIN	Lawrence Livermore National Laboratory	Mechanical Engineering (Dpt)
A05-0185-006	Characterization of Stability of Springs	\$25,000.00	LAWTON, KEVIN	Lawrence Livermore National Laboratory	Mechanical Engineering (Dpt)
A06-0022-004	CAREER: Towards Privacy and Confidentiality Preserving Databases	\$91,718.00	WU, XINTAO	NSF	Software & Info Systems (Dpt)
A06-0029-005	PREDICTING PROTEIN FLEXIBILITY AND STABILITY	\$295,855.00	JACOBS, DONALD	DHHS/NIH/NIGMS	Physics and Optical Science (Dpt)
A06-0029-006	PREDICTING PROTEIN FLEXIBILITY AND STABILITY	\$32,872.00	JACOBS, DONALD	DHHS/NIH/NIGMS	Physics and Optical Science (Dpt)
A06-0034-004	REU Site: Computing Research for Undergraduates - Visualization, Virtual Environments, Gaming, and Networking	\$18,285.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A06-0049-003	Substance P exacerbation of CNS Inflammation	\$251,683.00	MARRIOTT, IAN	DHHS/NIH/NINDS	Biology (Dpt)
A06-0053-003	A study of plasmonic enhanced transmission effects in nano-optics	\$54,000.00	GBUR, GREGORY	Dept of Energy	Physics and Optical Science (Dpt)
A06-0078-003	Efficient Feature-Driven Visualization of Large-Scale Scientific Data	\$100,000.00	LU, AIDONG	Dept of Energy	Computer Science (Dpt)
A06-0084-002	Phytophthora ramorum and sudden oak death: feedback between a generalist pathogen, hosts and heterogeneous environments at multiple spatial and temporal scales	\$50,400.00	MEENTEMEYER, ROSS	NSF	Geography and Earth Science (Dpt)

A06-0157-002	The effects of classroom and school composition on secondary school math and science achievement	\$24,480.00	MICKELSON, ROSLYN	NSF	Sociology (Dpt)
A06-0172-004	Personnel Preparation Program in Low Incidence Severe Disabilities	\$198,453.00	SPOONER, FREDERICK	Dept of Education	Special Ed & Child Dev (Dpt)
A07-0008-006	Regulation of sinusoidal perfusion in shock	\$194,044.00	CLEMENS, MARK	DHHS/NIH/NIDDK	Biology (Dpt)
A07-0008-007	Regulation of sinusoidal perfusion in shock	\$21,560.00	CLEMENS, MARK	DHHS/NIH/NIDDK	Biology (Dpt)
A07-0021-002	Collaborative Research: BPC-DP: Improving Minority Student Participation in the Computing Career Pipeline with Culturally Situated Design Tools	\$16,000.00	BARNES, TIFFANY	NSF	Computer Science (Dpt)
A07-0022-002	Multi-scale and Multi-physics Numerical Methods For Modeling Transport in Mesoscopic Systems	\$89,161.00	CAI, WEI	DOD/Army/Army Research Office	Mathematics and Statistics (Dpt)
A07-0051-003	Wave Propagation And Scattering In Networks Of Thin Waveguides	\$70,594.00	MOLCHANOV, STANISLAV	NSF	Mathematics and Statistics (Dpt)
A07-0060-002	Commercialized Remote Sensing and Spatial Information Technology Application	\$63,109.00	CHEN, SHEN-EN	DOT/Pipeline & Hazardous Materials Safety Administration	Civil and Environmental Engr (Dpt)
A07-0061-002	Numerical Methods for Fast and Accurate Calculation of Electrostatic Interactions in Biomolecular Simulations	\$360,000.00	CAI, WEI	DHHS/NIH/NIGMS	Mathematics and Statistics (Dpt)
A07-0074-002	New Approaches to Assess and Forestall Osteoarthritis in Injured Joints	\$34,588.00	WILLIS, ANDREW	DHHS/NIH/NIAMS	Elec & Computer Engineering (Dpt)
A07-0087-002	Collaborative Research: Creating Status Characteristics and Breaking them Down	\$12,000.00	WEBSTER, MURRAY	NSF	Sociology (Dpt)
A07-0092-002	Rapid Injection NMR Studies of Copper (I) and Copper (III) Organocuprates	\$118,000.00	OGLE, CRAIG	NSF	Chemistry (Dpt)
A07-0247-002	High Performance Powerflow Analysis	\$29,808.00	RAVINDRAN, ARUN	Dept of Energy	Elec & Computer Engineering (Dpt)
A08-0001-006	Project on TRAC: Improving Asthma Control in Children	\$94,244.00	HARVER, ANDREW	DHHS/NIH/NHLBI	Public Health Sciences (Dpt)
A08-0002-003	Secondary Transition Technical Assistance Center	\$250,000.00	TEST, DAVID	Dept of Education	Special Ed & Child Dev (Dpt)
A08-0002-008	Secondary Transition Technical Assistance Center	\$1,098,668.00	TEST, DAVID	Dept of Education	Special Ed & Child Dev (Dpt)

A08-0003-006	Statistical Methods in HIV Vaccine Efficacy Trials	\$71,366.00	SUN, YANQING	DHHS/NIH/NIAMD	Mathematics and Statistics (Dpt)
A08-0007-003	MDMA alters immunity to infections of the peripheral and central nervous systems	\$246,960.00	BOST, KENNETH	DHHS/NIH/NIDA	Biology (Dpt)
A08-0008-001	An Outcome Evaluation of the ACT Parent Raising Safe Kids Program	\$189,987.00	PORTWOOD, SHARON	DHHS/CDC	Institute for Social Capital (Dpt)
A08-0010-001	Changing the High-Risk Drinking Culture at UNC-Charlotte: A Comprehensive, Integrated Approach	\$137,615.00	SPANNO, DAVID	Dept of Education	Counseling Center (Dpt)
A08-0011-001	Enzymatic and Motor Properties of Myosin III	\$298,260.00	YENGO, CHRISTOPHER	DHHS/NIH	Biology (Dpt)
A08-0025-002	BPC-AE - The STARS Alliance: A Southeastern Partnership for Broadening Participation in Computing	\$904,016.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A08-0025-003	BPC-AE - The STARS Alliance: A Southeastern Partnership for Broadening Participation in Computing	\$313,870.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A08-0025-004	BPC-AE - The STARS Alliance: A Southeastern Partnership for Broadening Participation in Computing	\$48,000.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A08-0027-002	Exploiting the Yeast Saccharomyces Cerevisiae to Study Replication of Mononegavirales	\$72,000.00	GRDZELISHVIL, VALERY	DHHS/NIH/NIAMD	Biology (Dpt)
A08-0029-002	Generation and Use of 'Superbeams' in Turbulence and Scattering Applications	\$64,572.00	GBUR, GREGORY	DOD/Air Force/Office of Scientific Research	Physics and Optical Science (Dpt)
A08-0036-002	CAREER: An Innovative Look at Precision Polishing Dynamics	\$6,000.00	MULLANY, BRIGID	NSF	Mechanical Engineering (Dpt)
A08-0039-001	Feasibility of Delivering a Text Messaging Enhanced Adolescent HIV Curriculum	\$180,000.00	CORNELIUS, JUDITH	DHHS/NIH/NIHR	School of Nursing (Sch)
A08-0047-002	IDBR Automated Image Analysis for Discovering Motion Behavior in Video	\$139,624.00	SHIN, MIN	NSF	Computer Science (Dpt)
A08-0047-003	IDBR Automated Image Analysis for Discovering Motion Behavior in Video	\$23,250.00	SHIN, MIN	NSF	Computer Science (Dpt)
A08-0049-002	Pilot: Game2 Learn: Creative Computing Education	\$16,000.00	BARNES, TIFFANY	NSF	Computer Science (Dpt)
A08-0051-001	Self-Care Practices Among Intergenerational African American Families with Chronic Illness	\$61,796.00	WARREN-FINDLOW, JAN	DHHS/NIH/NIA	Public Health Sciences (Dpt)

A08-0055-002	GOAL/Collaborative Research: Deformation Machining - A New Hybrid Process	\$6,000.00	SMITH, SCOTT	NSF		Mechanical Engineering (Dpt)
A08-0072-002	User-Designed Dynamic Adaptable Scalable Intelligent Entities for Simulation Training	\$245,369.00	YOUNGBLOOD, G MICHAEL	DOD/Defense Advanced Research Agency	Projects	Computer Science (Dpt)
A08-0076-001	Agile Probing and Chip Breaking	\$10,000.00	SMITH, SCOTT	B&W Y-12, LLC		Mechanical Engineering (Dpt)
A08-0076-004	Agile Probing and Chip Breaking	\$98,538.00	SMITH, SCOTT	B&W Y-12, LLC		Mechanical Engineering (Dpt)
A08-0082-001	Effectiveness of Pre-Applied Wetting Agents in Prevention of UWI Fires	\$456,249.00	URBAS, JOZEF	Dept of Homeland Security/Federal Emergency Management Agency		Engineering Technology (Dpt)
A08-0083-002	Intergovernmental Personnel Act	\$189,334.00	JOHNSON, ERIC	NSF		Optoelectronics Center (Dpt)
A08-0087-001	Collaborative Research: Linkage of Bacterial Pathogens to Human Infectious Disease in an Estuary Subjected to Extreme Climatic Events	\$372,788.00	BOWEN, JAMES	NSF		Civil and Environmental Engr (Dpt)
A08-0095-001	Building Materials Reclamation Program	\$492,000.00	WEGGEL, DAVID	Dept of Energy		Civil and Environmental Engr (Dpt)
A08-0097-001	The Second Generation of Globally Convergent Numerical Methods for Coefficient Inverse Problems	\$44,120.00	KLIBANOV, MICHAEL	DOD/Army/Army Research Office		Mathematics and Statistics (Dpt)
A08-0097-002	The Second Generation of Globally Convergent Numerical Methods for Coefficient Inverse Problems	\$101,982.00	KLIBANOV, MICHAEL	DOD/Army/Army Research Office		Mathematics and Statistics (Dpt)
A08-0097-003	The Second Generation of Globally Convergent Numerical Methods for Coefficient Inverse Problems	\$10,035.00	KLIBANOV, MICHAEL	DOD/Army/Army Research Office		Mathematics and Statistics (Dpt)
A08-0111-001	Transmission Electron Microscope System for Multidisciplinary Research and Education at UNC Charlotte	\$556,532.00	XU, TERRY	NSF		Mechanical Engineering (Dpt)
A08-0120-001	CAREER: The Mechanics and Control of Hydrodynamic Schooling	\$216,488.00	KELLY, SCOTT	NSF		Mechanical Engineering (Dpt)
A08-0123-001	Mesoscale Structures and Photonics Devices based on Coupled Spherical Cavities	\$296,647.00	ASTRATOV, VASILY	NSF		Physics and Optical Science (Dpt)
A08-0134-002	Post-Processing, Characterization, and Evaluation of Bulk Nanostructured Refractory Metals and Alloys Fabricated using Severe Plastic Deformation and Thermomechanical Treatment	\$25,000.00	WEI, QIUMING	DOD/Army/Army Research Lab		Mechanical Engineering (Dpt)

A08-0134-003	Post-Processing, Characterization, and Evaluation of Bulk Nanostructured Refractory Metals and Alloys Fabricated using Severe Plastic Deformation and Thermomechanical Treatment	\$75,000.00	WEI, QIUMING	DOD/Army/Army Research Lab	Mechanical Engineering (Dpt)
A08-0143-001	Carollinas Cyber-Defender Scholarship Program	\$142,270.00	CHU, BEI-TSENG	DOD/National Security Agency	Software & Info Systems (Dpt)
A08-0160-001	Management of Phytosphthora Ramorum : Linkages to Conservation Goals for the Garcia River Forest	\$64,459.00	MEENTEMEYER, ROSS	USDA	Geography and Earth Science (Dpt)
A08-0161-001	Collaborative Project: Carolina Cyber Defense Scholarship	\$1,194,140.00	CHU, BEI-TSENG	NSF	Software & Info Systems (Dpt)
A08-0164-001	CT-ER: Privacy and Spectral Analysis in Social Network Randomization	\$186,147.00	WU, XINTAO	NSF	Software & Info Systems (Dpt)
A08-0166-002	Investigation of Richtmyer-Meshkov Instability	\$60,000.00	RAMAPPABHU, PRAVEEN	Los Alamos National Laboratory	Mechanical Engineering (Dpt)
A08-0170-002	SBR Phase 1: Ultraviolet Germicidal Optical Flow Cell	\$8,788.00	STOKES, EDWARD	NSF	Elec & Computer Engineering (Dpt)
A08-0171-002	Reduced-Power Laser Designation Systems	\$64,516.00	SHERLOCK, BARRY	DOD/Navy/Naval Surface Warfare Center	Engineering Technology (Dpt)
A08-0212-001	Development of a Metrological Instrumented Indenter	\$100,000.00	SMITH, STUART	Dept of Commerce/NIST	Mechanical Engineering (Dpt)
A08-0212-002	Development of a Metrological Instrumented Indenter	\$7,488.00	SMITH, STUART	Dept of Commerce/NIST	Mechanical Engineering (Dpt)
A08-0248-001	Strength, Pain, and Function in OIF/OEF Amputees: A Nurse Managed Program	\$599,972.00	TALBOT, LAURA	DOD	School of Nursing (Sch)
A08-0250-001	Estimation of Uncertainty for Machine Tools using Software Simulation	\$15,000.00	MORSE, EDWARD	Sandia National Laboratories	Mechanical Engineering (Dpt)
A08-0251-001	Lean Call to Action in Pass and Seymour/legrand	\$5,000.00	OZELKAN, ERTUNGA	NSF	College of Engineering (Dpt)
A08-0270-001	Center for Precision Metrology Affiliates	\$60,000.00	HOCKEN, ROBERT	Moore Nanotechnology Systems LLC	Mechanical Engineering (Dpt)
A09-0003-001	ACM Creativity and Cognition Graduate Symposium	\$22,378.00	Latulipe, Celine	NSF	Software & Info Systems (dpt)
A09-0010-001	Fertility and Oral Contraceptive Use Study (FOCUS)	\$216,000.00	HUBER, LARISSA	DHHS/NIH/NICHD	Public Health Sciences (Dpt)
A09-0011-001	Role of MUC1 in Pancreatic Cancer	\$214,596.00	MUKHERJEE, PINKU	DHHS/NIH/NCI	Biology (Dpt)
A09-0011-002	Role of MUC1 in Pancreatic Cancer	\$248,188.00	MUKHERJEE, PINKU	DHHS/NIH/NCI	Biology (Dpt)
A09-0013-001	REU Site: Nanoscale Science Undergraduate Research Experiences (NanosURE) at UNC	\$79,670.00	BROWN, BANITA	NSF	Chemistry (Dpt)

A09-0014-001	REU Site: Socially Relevant Computing Research: Visualization, Virtual Envrionme	\$300,000.00	DAHLBERG, TERESA	NSF	Computer Science (Dpt)
A09-0017-001	US-Malaysia Workshop on ?High-Capacity Optical-Networks Test & Monitoring (HOTM)	\$32,340.00	RAJA, M YASIN	NSF	Physics And Optical Science (dpt)
A09-0025-001	National Science Foundation Graduate Research Fellowship Program	\$40,500.00	SELL, SUSAN	NSF	Graduate School (Dpt)
A09-0031-001	Surficial Geology and Geomorphology of the Glaciated Portion of the Conejos Rive	\$11,544.00	Eppes, Martha	Dept of Interior/USGS	Geography and Earth Science (Dpt)
A09-0033-001	Representations and Metrics for Time-varying Terrain Surfaces	\$86,230.00	WARTELL, ZACHARY	DOD/Army/Army Research Office	Computer Science (Dpt)
A09-0035-001	Workshop on Optical Waves in Metamaterials and their Applications	\$3,000.00	Fiddy, Michael	DOD/Army/Army Research Office	Optoelectronics Center (dpt)
A09-0040-001	Using a Community Based Participatory Research Approach to Examine Family Support	\$216,000.00	COOK, JAMES	DHHS/NIH/NIMH	Psychology (Dpt)
A09-0047-001	Advancement of US National Standards for Coordinate Measuring Machines and Their	\$42,382.00	Morse, Edward	Dept of Commerce/NIST	Mechanical Engineering (dpt)
A09-0049-001	Vulnerability Assessment for U.S. Marine Corps	\$13,285.00	Chu, Bei-Tseng	DOD/Marines	Software & Info Systems (dpt)
A09-0066-001	Collaborative Research: Determining the Role of Insolation in the Mechanical Bre	\$135,723.00	EPPES, MARTHA	NSF	Geography and Earth Science (Dpt)
A09-0066-002	Collaborative Research: Determining the Role of Insolation in the Mechanical Bre	\$6,750.00	EPPES, MARTHA	NSF	Geography and Earth Science (Dpt)
A09-0071-001	Compact Semiconductor Blue Light Optical Source Arrays	\$150,000.00	Johnson, Eric	DOD/Navy/Office of Naval Research	Physics And Optical Science (dpt)
A09-0087-001	Energy Transduction in Myosin	\$205,000.00	YENGO, CHRISTOPHER	DHHS/NIH	Biology (Dpt)
A09-0114-001	Increasing Enrollment and Retention in the College of Engineering Using a Multi-	\$1,089,606.00	TKACIK, PETER	NSF	Mechanical Engineering (Dpt)
A09-0120-001	The Enhancement of the Existing AWARE BASICS Program to a BASICS Stepped Care Re	\$398,248.00	KAZEMI, DONNA	DHHS/SAMHSA	School of Nursing (Sch)
A09-0120-002	The Enhancement of the Existing AWARE BASICS Program to a BASICS Stepped Care Re	\$398,663.00	KAZEMI, DONNA	DHHS/SAMHSA	School of Nursing (Sch)

A09-0131-001	Project On TRAC: Improving Asthma Control in Children	\$6,028.00	Harver, Andrew	DHHS/NIH/NHLBI	Public Health Sciences (dpt)
A10-0003-001	University of North Carolina at Charlotte PhD Program	\$194,828.00	BROWDER, DIANE	Dept of Education	Special Ed & Child Dev (dpt)
A10-0004-001	Advanced Education Nursing Traineeship	\$40,445.00	FOSS, GWENDOLYN	DHHS/HRSA	School of Nursing (Sch)
A10-0007-001	An Investigation of Physical Weathering on Mars Using New Web-Based, User-Friend	\$29,351.00	EPPES, MARTHA	NASA	Geography and Earth Science (Dpt)
A10-0008-001	DAT: A Visual Analytics Approach to Science and Innovation Policy	\$746,571.00	Ribarsky, Martin	NSF	Computer Science (dpt)
A10-0009-001	Synthetic Analogues of Methanobactin	\$325,000.00	Etzkorn, Markus	NSF	Chemistry (dpt)
A10-0011-001	Nurse Anesthetist Traineeship	\$5,942.00	Foss, Gwendolyn	DHHS/HRSA	School of Nursing (Sch)
A10-0012-001	Dance:Draw: Embodiment as Input for Collaborative, Creative Expression	\$762,372.00	LATULIPE, CELINE	NSF	Software & Info Systems (Dpt)
A10-0013-001	In Situ Form Metrology in Manufacturing by Combining Engineered Optical Scatteri	\$464,062.00	Davies, Angela	NSF	Physics And Optical Science (dpt)
A10-0015-001	CAREER: Educational Data Mining for Student Support in Interactive Learning Envi	\$646,982.00	BARNES, TIFFANY	NSF	Computer Science (Dpt)
A10-0017-001	Development, Implementation, and Assessment of Geotechnical Concept Tools (GCT)	\$149,699.00	WARREN, KIMBERLY	NSF	Civil and Environmental Engr (Dpt)
A10-0018-001	Collaborative Preservice: Preparing Excellent Teachers for All Students	\$111,984.00	ANDERSON, KELLY	Dept of Education	Special Ed & Child Dev (Dpt)
A10-0022-001	Gain-Guiding in All-Solid-State Bragg Fibers for High-Power Laser Amplifiers wit	\$350,000.00	Her, Tsing-Hua	NSF	Physics And Optical Science (dpt)
A10-0024-001	SDS Program	\$120,021.00	Edwards, lienne	DHHS/HRSA	College Of Health & Human Svc (dpt)
A10-0031-001	Legacies of the African Diaspora in Brazil and the United States: Persistent Ine	\$33,103.00	Davila, Walter	Dept of Education	History (dpt)
A10-0053-001	Ethology of Translocations in Hematopoietic Cells	\$253,473.00	RICHARDSON, CHRISTINE	DHHS/NIH/NCI	Biology (Dpt)
Total Award Amount:		\$21,453,352.00			