

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during SEPTEMBER

C.T. BAUER COLLEGE OF BUSINESS

Small Business Development Center

Investigator: Young, Frederick Dr. 100%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0053 / C0001 / G102189 / 47572
Agency: U.S. Small Business Administration
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/1/2010 to 9/30/2011
CFDA: 59.037 Small Business Development Center
CB Designation: Non Research
Project Type: Co-Op Agreement - Public Service
Project Title: Small Business Development Center

COLLEGE OF EDUCATION

Educational Psychology

Investigator: Liberman, David Dr. 10%
Award Amount: \$29,932.50
Cost Center: 00730 / 5013 / H0246 / B0001 / G103509 / 49279
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EESE: Experiencing Ethics

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Art

Investigator: Koontz, Rex Dr. 30%
Award Amount: \$14,979.30
Cost Center: 00730 / 5013 / H0246 / B0001 / G103373 / 49475
Agency: National Endowment for the Humanities
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 2/28/2013
CFDA: 45.169 Humanities_Digital Humanities Initiative
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vwire: Digital Content Management through Spatial Arrangement - a Tool for Visual Argumentation in the Humanities

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Blaffer Gallery

Investigator: Veneman, Katherine Ms. 100%
Award Amount: \$20,000.00
Cost Center: 00730 / 5013 / H0097 / C0001 / G101771 / 49395
Agency: National Endowment for the Arts
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 45.024 Promotion of the Arts
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Young Artists Apprenticeship Program

Economics

Investigator: Liu, Elaine Dr. 100%
Award Amount: \$28,500.00
Cost Center: 00730 / 5021 / H0122 / B0001 / G103986 / 49231
Agency: Chiang Ching-Kuo Foundation for International Scholarly Exchange
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 9/1/2011 to 7/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Impact of Family Size on Risk Sharing Among Migrant Workers in China

Health and Human Performance

Investigator: O'Connor, Daniel Dr. 33%
Award Amount: \$16,500.00
Cost Center: 00730 / 5013 / H0500 / B0001 / G102987 / 49668
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/23/2011 to 8/31/2012
CFDA: 93.393 Cancer Cause and Prevention Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multinational Collaboration to Increase PA in Hispanics

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

History

Investigator: Blue, Carroll Parrott Dr. 50%
Award Amount: \$50,000.00
Cost Center: 00730 / 5013 / H0246 / C0001 / G103692 / 49507
Agency: National Endowment for the Arts
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 45.024 Promotion of the Arts
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: The Third Ward Arts Initiative

Philosophy

Investigator: Phillips, David Dr. 10%
Award Amount: \$29,932.50
Cost Center: 00730 / 5013 / H0246 / B0001 / G103509 / 49279
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EESE: Experiencing Ethics

Psychology

Investigator: Sharp, Carla Dr. 100%
Award Amount: \$37,000.00
Cost Center: 00730 / 5021 / H0125 / B0001 / G101988 / 47486
Agency: The Menninger Clinic
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 9/1/2010 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of Personality and Other Disorders in Adolescents -Carolyn Ha and Chastity Farr Student Placements

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Psychology**

Investigator: Massman, Paul Dr. 100%
Award Amount: \$17,447.00
Cost Center: 00730 / 5021 / H0125 / A0001 / G104203 / 49440
Agency: TIRR Memorial Hermann
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Contract - Instruction
Project Title: Clinical Neuropsychology Training-Memorial Hermann TIRR Inpatient-Struchen

Investigator: Carlson, Coleen Dr. 20%
Award Amount: \$20,257.82
Cost Center: 00730 / 5013 / H0288 / B0001 / G104171 / 49693
Agency: Center for Applied Linguistics
Pass_Thru Agency: National Institute of Child Health and Human Development
Agency Type: FEDERAL
Duration: 6/1/2011 to 5/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: AVE: Acquisition of Vocabulary in English

Investigator: Massman, Paul Dr. 100%
Award Amount: \$16,656.00
Cost Center: 00730 / 5013 / H0125 / B0100 / G104184 / 49477
Agency: Michael E. DeBakey Veterans Affairs Medical Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 00.000 Not Elsewhere Classified
CB Designation: Non Restricted Research
Project Type: Other Support - Research
Project Title: Clinical Neuropsychology Training-Michael E. DeBakey, VA TBI Center-Pastorek

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Psychology**

Investigator: Knee, C. Raymond Dr. 20%
Award Amount: \$124,492.40
Cost Center: 00730 / 5013 / H0125 / B0001 / G102004 / 49627
Agency: NIH/Center for Scientific Review
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 3/31/2016
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Social Norms and Alcohol Prevention

Investigator: Massman, Paul Dr. 100%
Award Amount: \$17,447.00
Cost Center: 00730 / 5016 / H0125 / B0001 / G104204 / 49466
Agency: University of Texas Health Science Center at Houston
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Clinical Neuropsychology Training-UTHSCH Breier

Investigator: Massman, Paul Dr. 100%
Award Amount: \$16,516.00
Cost Center: 00730 / 5013 / H0125 / B0001 / G104183 / 49442
Agency: Michael E. DeBakey Veterans Affairs Medical Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 64.016 Veterans State Hospital Care
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Clinical Neuropsychology Training-Michael E. DeBakey, VA Medical Center, Epilepsy Ctr-Collins

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Psychology**

Investigator: Neighbors, Clayton Dr. 80%
Award Amount: \$497,969.60
Cost Center: 00730 / 5013 / H0125 / B0001 / G102004 / 49627
Agency: NIH/Center for Scientific Review
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 3/31/2016
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Social Norms and Alcohol Prevention

Investigator: Massman, Paul Dr. 100%
Award Amount: \$17,447.00
Cost Center: 00730 / 5021 / H0125 / A0001 / G104187 / 49439
Agency: TIRR Memorial Hermann
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Contract - Instruction
Project Title: Clinical Neuropsychology Training-BCM/TCH TIRR BIRC Brain Injury Research Center-Sander

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Biology/Biochemistry**

Investigator: Pennings, Steve Dr. 50%
Award Amount: \$79,390.50
Cost Center: 00730 / 5013 / H0104 / B0001 / G103278 / 49566
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 8/31/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Biophysical alteration of wetland geomorphology in response to rising sea level

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Biology/Biochemistry**

Investigator: Zhang, Xiaoliu Dr. 50%
Award Amount: \$15,000.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G101536 / 49568
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 4/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mesothelin-specific targeting PLGA nanoparticle for pancreatic cancer therapy

Investigator: Stewart, M. David Dr. 100%
Award Amount: \$70,000.00
Cost Center: 00730 / 5021 / H0104 / B0001 / G101006 / 46824
Agency: American Heart Association - South Central Affiliate
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 7/1/2010 to 6/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Molecular mechanisms of Smyd1-induced repression and activation

Investigator: Roman, Gregg Dr. 36%
Award Amount: \$77,625.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G102544 / 49564
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/5/2011 to 6/30/2012
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Characterization of a novel presynaptic target for ethanol action

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Biology/Biochemistry**

Investigator: Willson, Richard C. Dr. 20%
Award Amount: \$46,179.20
Cost Center: 00730 / 5013 / H0067 / B0001 / G103378 / 49535
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Ion-exchange adsorption of proteins: a single-molecule investigation

Center for Nuclear Receptors and Cell Signaling

Investigator: Zhang, Xiaoliu Dr. 50%
Award Amount: \$15,000.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G101536 / 49568
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 4/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mesothelin-specific targeting PLGA nanoparticle for pancreatic cancer therapy

Chemistry

Investigator: Halasyamani, Shiv Dr. 100%
Award Amount: \$40,000.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G101543 / 49524
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2011 to 2/29/2012
CFDA: 12.431 Basic Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Advanced Functional Inorganic Materials: Geometric Ferroelectrics with Multi-Ferroic Applications - Design, Synthesis, and Characterization of New Mixed-Metal Fluorides

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Xu, Shoujun Dr. 100%
Award Amount: \$106,803.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G101108 / 47057
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Developing a Novel Scanning Magnetic Imaging Technique for Magnetically Labeled Biological Molecules

Investigator: Bittner, Eric R. Dr. 100%
Award Amount: \$136,000.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G100704 / 47065
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2010 to 8/13/2013
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Theory and Simulations of Electronic Processes in Organic Semiconductors

Investigator: Gilbertson, Scott Dr. 100%
Award Amount: \$30,622.64
Cost Center: 00730 / 5015 / H0107 / B0001 / G102593 / 47738
Agency: University of Texas Medical Branch at Galveston
Pass_Thru Agency: NIH/Office of Director
Agency Type: FEDERAL
Duration: 8/1/2010 to 7/31/2012
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Translational Center on Serotonin and Stimulation Addiction

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Lee, T. Randall Dr. 100%
Award Amount: \$40,965.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G101527 / 49567
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 4/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Gold Nanoshells: Delivery of Biological Therapeutics to the Macula

Computer Science

Investigator: Zheng, Rong Dr. 25%
Award Amount: \$63,322.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G102496 / 49215
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CCS-S-CPS: Collaborative: If the Bridges Can Talk: Toward Autonomous Structure Health Monitoring for Civil Infrastructure

Investigator: Huang, Shou-Hsuan Dr. 100%
Award Amount: \$175,900.00
Cost Center: 00730 / 5013 / H0108 / B0001 / G100844 / 46966
Agency: U.S. Department of Education
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/16/2010 to 8/15/2012
CFDA: 84.200 Graduate Assistance in Areas of National Need
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: DOCTORAL TRAINING IN COMPUTER/COMPUTATIONAL SCIENCES AND INFORMATION SECURITY(GAANN)

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Computer Science**

Investigator: Kakadiaris, Ioannis Dr. 16%
Award Amount: \$26,795.04
Cost Center: 00730 / 5013 / H0246 / B0001 / G098272 / 45041
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rigid Motion Steerability for Multiscale Stochastic Models of 3D-Textures Applied to Tissue Segmentation in 3D-Biomedical Images

Investigator: Pavlidis, Ioannis Dr. 20%
Award Amount: \$59,865.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G103509 / 49279
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EESE: Experiencing Ethics

Investigator: Chapman, Barbara M. Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5022 / H0108 / B0001 / G099805 / 45551
Agency: Semiconductor Research Corp.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2009 to 9/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: High-level Programming Interface Based on OpenMP for Heterogeneous Embedded Software Development

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Dean, Natural Sciences and Mathematics**

Investigator: Cassidy, Craig Mr. 50%
Award Amount: \$20,000.00
Cost Center: 00730 / 5015 / H0102 / B0001 / G100131 / 47217
Agency: University of Houston Downtown
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Undergraduate/Graduate Student Immersion in Computer Science, Technology and Mathematics

Investigator: Semendeferi, Ioanna Dr. 40%
Award Amount: \$119,730.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G103509 / 49279
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EESE: Experiencing Ethics

Geosciences

Investigator: Castagna, John Dr. 100%
Award Amount: \$440,590.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G104143 / 49504
Agency: 3MSco Resources, LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2011 to 8/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Spectral Inversion Case Studies

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Geosciences**

Investigator: Li, Aibing Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5021 / H0109 / B0001 / G104084 / 49688
Agency: Society for Exploration Geophysics
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 7/1/2011 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Risk Assessment and Advance Warning for Landslides in Brazil

Investigator: Castagna, John Dr. 100%
Award Amount: \$28,697.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G104142 / 49528
Agency: DataSeismic
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2011 to 6/1/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Pre-stack Noise Suppression

Investigator: Mann, Paul Dr. 100%
Award Amount: \$120,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G103956 / 49251
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2011 to 8/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Geosciences**

Investigator: Han, De-Hua Dr. 100%
Award Amount: \$40,000.15
Cost Center: 00730 / 5022 / H0109 / B0001 / G094777 / 40041
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 12/31/2020
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Fluid & Rock Properties and Seismic Hydrocarbon Indicators

Investigator: Brandon, Alan Dr. 100%
Award Amount: \$96,283.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G103034 / 49665
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/1/2011 to 9/30/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Assessment of the role of water in cratonic roots and their post-Archean margins on the strength and longevity of continental lithosphere

Mathematics

Investigator: Morgan, Jeffrey Dr. 100%
Award Amount: \$139,679.00
Cost Center: 00730 / 5018 / H0110 / B0100 / G103561 / 49388
Agency: University of Texas at Austin
Pass_Thru Agency: Texas Education Agency
Agency Type: STATE
Duration: 3/1/2011 to 5/31/2012
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Beginning Teacher Induction and Mentoring (BTIM) Grant

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Azencott, Robert Dr. 100%
Award Amount: \$49,616.00
Cost Center: 00730 / 5021 / H0110 / B0001 / G101959 / 46805
Agency: Europlace Institute of Finance
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 3/31/2010 to 10/30/2011
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Scientific Collaboration between Europlace Institute of Finance and the University of Houston

Investigator: Papadakis, Emanuel Dr. 17.5%
Award Amount: \$29,307.08
Cost Center: 00730 / 5013 / H0246 / B0001 / G098272 / 45041
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rigid Motion Steerability for Multiscale Stochastic Models of 3D-Textures Applied to Tissue Segmentation in 3D-Biomedical Images

Investigator: Auchmuty, James F. G. Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G102769 / 49346
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2011 to 8/31/2014
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Steklov spectra and div-curl analysis

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Bodmann, Bernhard Dr. 100%
Award Amount: \$214,922.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G102880 / 49329
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Frame mechanics: Dynamical Principles for Optimal Redundant Expansions

Investigator: Josic, Kresimir Dr. 100%
Award Amount: \$134,600.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G103092 / 49666
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/1/2011 to 7/31/2014
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Relating architecture, dynamics and temporal correlations in networks of spiking neurons

Investigator: Timofeyev, Ilya Dr. 100%
Award Amount: \$10,000.00
Cost Center: 00730 / 5021 / H0110 / B0001 / G104191 / 49525
Agency: North Carolina State University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 9/1/2011 to 12/31/2011
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Research Fellow - Statistical and Applied Mathematical Sciences Institute

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Azencott, Robert Dr. 33%
Award Amount: \$55,264.77
Cost Center: 00730 / 5013 / H0246 / B0001 / G098272 / 45041
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rigid Motion Steerability for Multiscale Stochastic Models of 3D-Textures Applied to Tissue Segmentation in 3D-Biomedical Images

Physics

Investigator: Freundlich, Alexandre Dr. 20%
Award Amount: \$9,300.00
Cost Center: 00730 / 5013 / H0453 / B0001 / G099644 / 49437
Agency: Arizona State University
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 8/15/2011 to 12/15/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: ERC for Quantum Energy and Sustainable Solar Technologies

Investigator: Curran, Seamus Dr. 39%
Award Amount: \$11,700.00
Cost Center: 00730 / 5013 / H0545 / B0001 / G104002 / 49517
Agency: U.S. Department of Defense
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/30/2012
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Self-cleaning, Anti-reflective Coating Fabricated by Layer-by-Layer Assembly for Photovoltaic Applications

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Ignatiev, Alex Dr. 20%
Award Amount: \$20,945.00
Cost Center: 00730 / 5013 / H0453 / B0001 / G095790 / 43140
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2008 to 8/31/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Water Extraction from Lunar Polar Ice/Regolith by Microwave Heating

Investigator: Wu, Najuan Dr. 25%
Award Amount: \$50,000.00
Cost Center: 00730 / 5022 / H0453 / B0001 / G100743 / 45910
Agency: Sharp Corporation Japan
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2009 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Electrically Variable Resistive Memory

Investigator: Liao, Kang-Shyang Dr. 11%
Award Amount: \$3,300.00
Cost Center: 00730 / 5013 / H0545 / B0001 / G104002 / 49517
Agency: U.S. Department of Defense
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/30/2012
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Self-cleaning, Anti-reflective Coating Fabricated by Layer-by-Layer Assembly for Photovoltaic Applications

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Cheung, Margaret Dr. 100%
Award Amount: \$4,000.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G104048 / 49467
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Biophysical Society Subgroup Symposium

Investigator: Hor, Pei-Herng Dr. 50%
Award Amount: \$24,612.50
Cost Center: 00730 / 5021 / H0112 / B0001 / G100470 / 45459
Agency: St. Luke's Episcopal Hospital
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 6/1/2009 to 5/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Simulation & Optimization of High Intensity Focus Ultrasound Surgery

Investigator: Cheung, Margaret Dr. 100%
Award Amount: \$81,141.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G099926 / 47064
Agency: U.S. Department of Energy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 81.049 Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multiscale Investigation of Hydrocarbon Interactions in Porous Spaces

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COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Porter, Jason Dr. 100%
Award Amount: \$368,000.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G102467 / 49379
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: High-resolution imaging of the normal and diseased retina

Investigator: Burns, Alan Dr. 100%
Award Amount: \$345,462.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G097479 / 43506
Agency: National Eye Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2008 to 8/31/2012
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Leukocyte Migration in Wounded Cornea

Investigator: Bergmanson, Jan P. G. Dr. 100%
Award Amount: \$837.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G103400 / 48283
Agency: Bausch and Lomb Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/21/2010 to 12/20/2011
CFDA:
CB Designation: Non Restricted Research
Project Type: Contract - Research
Project Title: Protocol #642 - A Study to Evaluate the Product Performance of Two Daily Disposalbe Contact Lenses

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COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Otteson, Deborah Dr. 100%
Award Amount: \$328,500.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G102456 / 49358
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Regulation of Ephrin Receptor Expression in the Retina

Investigator: Hofer, Heidi Dr. 100%
Award Amount: \$318,622.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G095886 / 43348
Agency: National Eye Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/5/2008 to 8/31/2012
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Retinal Topography and the Mechanisms of Visual Perception

Investigator: Wheat, Joe Dr. 100%
Award Amount: \$121,756.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G095508 / 41239
Agency: National Eye Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2007 to 8/31/2012
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Structure-Function Relationships in Glaucoma

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COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Fox, Donald A. Dr. 100%
Award Amount: \$69.80
Cost Center: 00730 / 5013 / H0114 / B0001 / G087004 / 31475
Agency: National Institute of Environmental Health Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 7/7/2003 to 5/31/2010
CFDA: 93.113 Biological Response to Environmental Health Hazards
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Low-Level Prenatal Lead Exposure and Retinal Toxicity

Investigator: Leach, Norman Dr. 100%
Award Amount: \$2,243.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G102975 / 47892
Agency: Alcon Research Limited
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/2/2010 to 12/1/2011
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Protocol C-10-012 Evaluation of an Investigational Contact Lens Disinfectant System

COLLEGE OF PHARMACY**Center for Experimental Therapeutics and Pharmacoi**

Investigator: Ruan, Ke-He Dr. 50%
Award Amount: \$10,000.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G101460 / 49569
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 4/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Imaging and Treatment of Atheroma by Transplantation of Vascular Stem Cells Labeled with Echogenic Immunoliposomes

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COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Prince, Randall A. Dr. 100%
Award Amount: \$6,500.00
Cost Center: 00730 / 5021 / H0118 / B0001 / G103958 / 49577
Agency: Henry Ford Hospital
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 6/20/2011 to 9/20/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Study of intraocular penetration of systemic antibiotics in eyes with penetrating injury

Investigator: Tam, Vincent Dr. 100%
Award Amount: \$22,818.00
Cost Center: 00730 / 5013 / H0118 / B0001 / G100494 / 47219
Agency: Johns Hopkins University
Pass_Thru Agency: National Institute of Allergy and Infectious Diseases
Agency Type: FEDERAL
Duration: 6/15/2010 to 5/31/2012
CFDA: 93.855 Allergy, Immunology, and Transplantation Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Advancing New Drug Regimens for MDR/XDR TB

Heart and Kidney Institute

Investigator: Asghar, Mohammad Dr. 50%
Award Amount: \$153,750.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G103420 / 49540
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 7/31/2012
CFDA: 93.866 Aging Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Dopamine and Angiotension II Receptor Function in Age-Related Hypertension

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COLLEGE OF PHARMACY**Heart and Kidney Institute**

Investigator: Banday, Anees Ahmad Dr. 50%
Award Amount: \$38,500.00
Cost Center: 00730 / 5021 / H0117 / B0001 / G096576 / 43056
Agency: American Heart Association - National Center
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 7/1/2008 to 6/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Oxidative Stress and Transcriptional Regulation of Renal AT1 Receptors in Hypertension

Pharmacological and Pharmaceutical Sciences

Investigator: Asghar, Mohammad Dr. 50%
Award Amount: \$153,750.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G103420 / 49540
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 7/31/2012
CFDA: 93.866 Aging Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Dopamine and Angiotension II Receptor Function in Age-Related Hypertension

Investigator: Ruan, Ke-He Dr. 50%
Award Amount: \$10,000.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G101460 / 49569
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 4/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Imaging and Treatment of Atheroma by Transplantation of Vascular Stem Cells Labeled with Echogenic Immunoliposomes

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COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: Banday, Anees Ahmad Dr. 50%
Award Amount: \$38,500.00
Cost Center: 00730 / 5021 / H0117 / B0001 / G096576 / 43056
Agency: American Heart Association - National Center
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 7/1/2008 to 6/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Oxidative Stress and Transcriptional Regulation of Renal AT1 Receptors in Hypertension

Investigator: Das, Joydip Dr. 64%
Award Amount: \$138,000.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G102544 / 49564
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/5/2011 to 6/30/2012
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Characterization of a novel presynaptic target for ethanol action

COLLEGE OF TECHNOLOGY**Information & Logistics Technology**

Investigator: Cheng, Liang-Chieh Dr. 100%
Award Amount: \$5,000.00
Cost Center: 00730 / 5013 / H0137 / H0001 / G103648 / 48879
Agency: U.S. Department of Transportation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 9/1/2012
CFDA: 20.215 Highway Training and Education
CB Designation: Non Research
Project Type: Grant - Scholarship/Fellowship
Project Title: DOT: Eisenhower Fellowship: Transportation Simulation of Baytown Areas

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CULLEN COLLEGE OF ENGINEERING

Center for Innovative Grouting Materials and Tech

Investigator: Vipulanandan, Cumaraswamy D 60%
Award Amount: \$3,600.00
Cost Center: 00730 / 5015 / H0069 / B0001 / G099221 / 45279
Agency: Lamar University (THWRC)
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 7/17/2009 to 9/30/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Evaluation of Grouts for Infrastructure Rehabilitation

Center for Integrated Bio and Nano Systems

Investigator: Brankovic, Stanko Dr. 50%
Award Amount: \$54,250.00
Cost Center: 00730 / 5022 / H0070 / B0001 / G104352 / 49702
Agency: UTC Power
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2011 to 6/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Surface Limited Red-ox Replacement of Cu UPD Monolayer with Pt ions

Chemical Engineering

Investigator: Economou, Demetre J. Dr. 50%
Award Amount: \$30,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G104299 / 49625
Agency: Texas Instruments, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2011 to 9/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Etching of TiN for High-k/Metal Gate-Last Integration

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Economou, Demetre J. Dr. 50%
Award Amount: \$198,750.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G103462 / 49664
Agency: Lam Research Corporation
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/15/2011 to 9/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Fundamental Study of Silicon Nitride and Silicon Etching by Ionic and Neutral Species Found in Fluorocarbon Plasmas

Investigator: Donnelly, Vincent Dr. 50%
Award Amount: \$198,750.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G103462 / 49664
Agency: Lam Research Corporation
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/15/2011 to 9/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Fundamental Study of Silicon Nitride and Silicon Etching by Ionic and Neutral Species Found in Fluorocarbon Plasmas

Investigator: Willson, Richard C. Dr. 80%
Award Amount: \$184,716.80
Cost Center: 00730 / 5013 / H0067 / B0001 / G103378 / 49535
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Ion-exchange adsorption of proteins: a single-molecule investigation

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Donnelly, Vincent Dr. 50%
Award Amount: \$57,499.50
Cost Center: 00730 / 5013 / H0067 / B0001 / G099115 / 44829
Agency: U.S. Department of Energy - Office of Science
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/15/2009 to 8/14/2011
CFDA: 81.049 Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Pulsed Plasma with Synchronous Boundary Voltage for Rapid Atomic Layer Etching

Investigator: Donnelly, Vincent Dr. 50%
Award Amount: \$30,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G104299 / 49625
Agency: Texas Instruments, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2011 to 9/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Etching of TiN for High-k/Metal Gate-Last Integration

Investigator: Economou, Demetre J. Dr. 50%
Award Amount: \$57,499.50
Cost Center: 00730 / 5013 / H0067 / B0001 / G099115 / 44829
Agency: U.S. Department of Energy - Office of Science
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/15/2009 to 8/14/2011
CFDA: 81.049 Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Pulsed Plasma with Synchronous Boundary Voltage for Rapid Atomic Layer Etching

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$20,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G103981 / 49545
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Support for Total Maximum Daily Loads (TMDLs) for Dioxins in the Houston Ship Channel (HSC) System

Investigator: Rifai, Hanadi Dr. 50%
Award Amount: \$33,333.50
Cost Center: 00730 / 5021 / H0068 / B0001 / G103840 / 49592
Agency: Rice University
Pass_Thru Agency: Houston Endowment, Inc.
Agency Type: FOUNDATION
Duration: 6/1/2011 to 5/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: SSPEED Center Proposal to Houston Endowment Inc.

Investigator: Dawood, Mina Dr. 50%
Award Amount: \$44,411.00
Cost Center: 00730 / 5016 / H0068 / B0001 / G103531 / 49689
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 10/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Repair Systems for Deteriorated Bridge Piles

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Vipulanandan, Kumaraswamy D:25%
Award Amount: \$22,205.50
Cost Center: 00730 / 5016 / H0068 / B0001 / G103531 / 49689
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 10/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Repair Systems for Deteriorated Bridge Piles

Investigator: Belarbi, Abdeldjelil Dr. 25%
Award Amount: \$22,205.50
Cost Center: 00730 / 5016 / H0068 / B0001 / G103531 / 49689
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 10/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Repair Systems for Deteriorated Bridge Piles

Investigator: Mo, Yi-Lung Dr. 33%
Award Amount: \$48,109.38
Cost Center: 00730 / 5016 / H0068 / B0001 / G103530 / 49406
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: PROJECT 0-6720 SHEAR BEHAVIOR OF THIN PRESTRESSED SLAB BEAMS IN BRIDGES

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Belarbi, Abdeldjelil Dr. 33%
Award Amount: \$48,109.38
Cost Center: 00730 / 5016 / H0068 / B0001 / G103530 / 49406
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: PROJECT 0-6720 SHEAR BEHAVIOR OF THIN PRESTRESSED SLAB BEAMS IN BRIDGES

Investigator: Wang, Keh-Han Dr. 50%
Award Amount: \$9,911.50
Cost Center: 00730 / 5016 / H0068 / B0001 / G103527 / 49506
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Assessment of the Effects of Regional Channel Stability and Sediment Transport on Roadway Hydraulics Structures (project 0-6724)

Investigator: Strom, Kyle Dr. 50%
Award Amount: \$9,911.50
Cost Center: 00730 / 5016 / H0068 / B0001 / G103527 / 49506
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Assessment of the Effects of Regional Channel Stability and Sediment Transport on Roadway Hydraulics Structures (project 0-6724)

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G104288 / 49536
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 8/18/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Support for Total Maximum Daily Loads (TMDLs) for New/Additional Indicator Bacteria Listings in the Clear Creek Watershed

Investigator: Carter, William Dr. 30%
Award Amount: \$4,192.80
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2012
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

Investigator: Glennie, Craig Dr. 10%
Award Amount: \$1,397.60
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2012
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Shrestha, Ramesh Dr. 60%
Award Amount: \$8,385.60
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2012
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

Investigator: Vipulanandan, Cumaraswamy D.10%
Award Amount: \$600.00
Cost Center: 00730 / 5015 / H0069 / B0001 / G099221 / 45279
Agency: Lamar University (THWRC)
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 7/17/2009 to 9/30/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Evaluation of Grouts for Infrastructure Rehabilitation

Investigator: Strom, Kyle Dr. 100%
Award Amount: \$17,000.00
Cost Center: 00730 / 5016 / H0068 / B0001 / G104308 / 49636
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Hydraulic Performance of Staggered-Barrel Culverts for Stream Crossings

UNIVERSITY OF HOUSTON
Division of Research
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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Mo, Yi-Lung Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Willam, Kaspar Dr. 10%
Award Amount: \$40,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Vipulanandan, Cumaraswamy D9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

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Division of Research
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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Strom, Kyle Dr. 50%
Award Amount: \$18,073.00
Cost Center: 00730 / 5016 / H0068 / B0001 / G104310 / 49634
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Empirical Flow Parameters -- A Tool for Hydraulic Model Validity Assessment.

Investigator: Hsu, Thomas T. C. Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Glennie, Craig Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Dawood, Mina Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Belarbi, Abdeldjelil Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Ayoub, Ashraf Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

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Division of Research
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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Wang, Keh-Han Dr. 50%
Award Amount: \$18,073.00
Cost Center: 00730 / 5016 / H0068 / B0001 / G104310 / 49634
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Empirical Flow Parameters -- A Tool for Hydraulic Model Validity Assessment.

Investigator: Hsu, Thomas T. C. Dr. 34%
Award Amount: \$49,567.24
Cost Center: 00730 / 5016 / H0068 / B0001 / G103530 / 49406
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: PROJECT 0-6720 SHEAR BEHAVIOR OF THIN PRESTRESSED SLAB BEAMS IN BRIDGES

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$180,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G104287 / 49544
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Support for Total Maximum Daily Loads for New/Additional Indicator Bacteria Listings in Existing TMDL Watersheds in the Houston Metropolitan Area

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G104021 / 49546
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 8/18/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Support for Total Maximum Daily Loads (TMDLs) Addressing Low Dissolved Oxygen in Dickinson Bayou

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G104018 / 49547
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 8/4/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Total Maximum Daily Loads (TMDLs) for Polychlorinated Biphenyls (PCBs) in the Houston Ship Channel (HSC) System and Upper Galveston Bay

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$250,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G104016 / 49542
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 8/4/2011 to 8/31/2012
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Survey of Polychlorinated Biphenyls (PCBs) and Polychlorinated Dibenzo-p-dioxins and Dibenzofurans (PCDDs/PCDFs) in the Galveston Bay System (GBS)

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CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Claydon, Frank Dr. 100%
Award Amount: \$10,000.00
Cost Center: 00730 / 5016 / H0070 / B0100 / G103635 / 49539
Agency: Texas Department of Transportation
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: TxDOT Research Technical Assistance Panels

Investigator: Freundlich, Alexandre Dr. 20%
Award Amount: \$9,300.00
Cost Center: 00730 / 5013 / H0453 / B0001 / G099644 / 49437
Agency: Arizona State University
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 8/15/2011 to 12/15/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: ERC for Quantum Energy and Sustainable Solar Technologies

Investigator: Wosik, Jarek Dr. 20%
Award Amount: \$20,945.00
Cost Center: 00730 / 5013 / H0453 / B0001 / G095790 / 43140
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2008 to 8/31/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Water Extraction from Lunar Polar Ice/Regolith by Microwave Heating

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CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Han, Zhu Dr. 100%
Award Amount: \$76,818.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G101087 / 47168
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Compressive Sensing and Matrix Completion Framework for Collaborative Sensing in Cognitive Radio Networks

Investigator: Brankovic, Stanko Dr. 50%
Award Amount: \$54,250.00
Cost Center: 00730 / 5022 / H0070 / B0001 / G104352 / 49702
Agency: UTC Power
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2011 to 6/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Surface Limited Red-ox Replacement of Cu UPD Monolayer with Pt ions

Investigator: Chen, Yuhua Dr. 100%
Award Amount: \$102,911.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G098456 / 44943
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: IHCS: Cyber Systems: Reconfigurable DWDM Multi Mode Switching for Telesurgery Telemedicine and Heterogeneous Applications

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CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Chen, Yuhua Dr. 100%
Award Amount: \$166,666.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G103006 / 49317
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: TC:Small:Collaborative Research:Exploring a Robust Quantum Cryptography Protocol for Securing Optical Burst Switching Networks

Mechanical Engineering

Investigator: Song, Gangbing Dr. 50%
Award Amount: \$126,644.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G102496 / 49215
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CCS-S-CPS: Collaborative: If the Bridges Can Talk: Toward Autonomous Structure Health Monitoring for Civil Infrastructure

Investigator: Metcalfe, Ralph W. Dr. 100%
Award Amount: \$42,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / G103904 / 49644
Agency: Apache Corporation
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/30/2011 to 6/29/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Simulations of Stratified Flow in Horizontal Well Bores

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Sharma, Pradeep Dr. 100%
Award Amount: \$34,902.00
Cost Center: 00730 / 5015 / H0073 / B0001 / G097498 / 45836
Agency: Texas Engineering Experiment Station
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: International Institute on Multifunctional Materials for Energy Conversion (IIMEC)

Investigator: Liu, Dong Dr. 80%
Award Amount: \$70,213.60
Cost Center: 00730 / 5013 / H0073 / B0001 / G103437 / 49280
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Magnetic Directed Alignment of Injectable Neural Stem Cell Scaffold for Regeneration After Spinal Cord Injury

Investigator: Sun, Li Dr. 20%
Award Amount: \$17,553.40
Cost Center: 00730 / 5013 / H0073 / B0001 / G103437 / 49280
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Magnetic Directed Alignment of Injectable Neural Stem Cell Scaffold for Regeneration After Spinal Cord Injury

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Kulkarni, Yashashree Dr. 100%
Award Amount: \$228,431.00
Cost Center: 00730 / 5013 / H0073 / B0001 / G103244 / 49407
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Radiation Response and High Temperature Stability of Nanotwinned Metals

Investigator: Sun, Li Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Song, Gangbing Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Zimmerman, David C. Dr. 9%
Award Amount: \$36,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G103174 / 49479
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MRI: Acquisition of Digital Image Correlation System for Real-Time 3D Measurements and Closed-Loop Control

Investigator: Sharma, Pradeep Dr. 100%
Award Amount: \$26,000.00
Cost Center: 00730 / 5013 / H0073 / B0001 / G104152 / 49505
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EAGER/Collaborative Research: Coaxing Graphene to be Piezoelectric

SSPEED

Investigator: Rifai, Hanadi Dr. 50%
Award Amount: \$33,333.50
Cost Center: 00730 / 5021 / H0068 / B0001 / G103840 / 49592
Agency: Rice University
Pass_Thru Agency: Houston Endowment, Inc.
Agency Type: FOUNDATION
Duration: 6/1/2011 to 5/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: SSPEED Center Proposal to Houston Endowment Inc.

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CULLEN COLLEGE OF ENGINEERING

Texas Hurricane Center for Innovative Technology

Investigator: Vipulanandan, Cumaraswamy D 30%
Award Amount: \$1,800.00
Cost Center: 00730 / 5015 / H0069 / B0001 / G099221 / 45279
Agency: Lamar University (THWRC)
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 7/17/2009 to 9/30/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Evaluation of Grouts for Infrastructure Rehabilitation

DIVISION OF RESEARCH

Center for Advanced Materials

Investigator: Ignatiev, Alex Dr. 30%
Award Amount: \$31,417.50
Cost Center: 00730 / 5013 / H0453 / B0001 / G095790 / 43140
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2008 to 8/31/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Water Extraction from Lunar Polar Ice/Regolith by Microwave Heating

Investigator: Freundlich, Alexandre Dr. 60%
Award Amount: \$27,900.00
Cost Center: 00730 / 5013 / H0453 / B0001 / G099644 / 49437
Agency: Arizona State University
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 8/15/2011 to 12/15/2011
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: ERC for Quantum Energy and Sustainable Solar Technologies

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DIVISION OF RESEARCH**Center for Advanced Materials**

Investigator: Wu, Naijuan Dr. 75%
Award Amount: \$150,000.00
Cost Center: 00730 / 5022 / H0453 / B0001 / G100743 / 45910
Agency: Sharp Corporation Japan
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2009 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Electrically Variable Resistive Memory

Investigator: Wosik, Jarek Dr. 30%
Award Amount: \$31,417.50
Cost Center: 00730 / 5013 / H0453 / B0001 / G095790 / 43140
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2008 to 8/31/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Water Extraction from Lunar Polar Ice/Regolith by Microwave Heating

Houston Coastal Center

Investigator: Pennings, Steve Dr. 50%
Award Amount: \$79,390.50
Cost Center: 00730 / 5013 / H0104 / B0001 / G103278 / 49566
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 8/31/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Biophysical alteration of wetland geomorphology in response to rising sea level

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Division of Research
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DIVISION OF RESEARCH**Institute for Molecular Design**

Investigator: Cassidy, Craig Mr. 50%
Award Amount: \$20,000.00
Cost Center: 00730 / 5015 / H0102 / B0001 / G100131 / 47217
Agency: University of Houston Downtown
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Undergraduate/Graduate Student Immersion in Computer Science, Technology and Mathematics

Institute for Nanoenergy

Investigator: Curran, Seamus Dr. 39%
Award Amount: \$11,700.00
Cost Center: 00730 / 5013 / H0545 / B0001 / G104002 / 49517
Agency: U.S. Department of Defense
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/30/2012
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Self-cleaning, Anti-reflective Coating Fabricated by Layer-by-Layer Assembly for Photovoltaic Applications

Investigator: Liao, Kang-Shyang Dr. 11%
Award Amount: \$3,300.00
Cost Center: 00730 / 5013 / H0545 / B0001 / G104002 / 49517
Agency: U.S. Department of Defense
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/30/2012
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Self-cleaning, Anti-reflective Coating Fabricated by Layer-by-Layer Assembly for Photovoltaic Applications

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DIVISION OF RESEARCH**TcSUH**

Investigator: Hor, Pei-Herng Dr. 50%
Award Amount: \$24,612.50
Cost Center: 00730 / 5021 / H0112 / B0001 / G100470 / 45459
Agency: St. Luke's Episcopal Hospital
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 6/1/2009 to 5/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Simulation & Optimization of High Intensity Focus Ultrasound Surgery

Texas Learning/Computation Center

Investigator: Zheng, Rong Dr. 25%
Award Amount: \$63,322.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G102496 / 49215
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CCS-S-CPS: Collaborative: If the Bridges Can Talk: Toward Autonomous Structure Health Monitoring for Civil Infrastructure

Investigator: Kakadiaris, Ioannis Dr. 16%
Award Amount: \$26,795.04
Cost Center: 00730 / 5013 / H0246 / B0001 / G098272 / 45041
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rigid Motion Steerability for Multiscale Stochastic Models of 3D-Textures Applied to Tissue Segmentation in 3D-Biomedical Images

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DIVISION OF RESEARCH**Texas Learning/Computation Center**

Investigator: Blue, Carroll Parrott Dr. 50%
Award Amount: \$50,000.00
Cost Center: 00730 / 5013 / H0246 / C0001 / G103692 / 49507
Agency: National Endowment for the Arts
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 45.024 Promotion of the Arts
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: The Third Ward Arts Initiative

Investigator: Papadakis, Emanuel Dr. 17.5%
Award Amount: \$29,307.08
Cost Center: 00730 / 5013 / H0246 / B0001 / G098272 / 45041
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2009 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rigid Motion Steerability for Multiscale Stochastic Models of 3D-Textures Applied to Tissue Segmentation in 3D-Biomedical Images

Investigator: Pavlidis, Ioannis Dr. 20%
Award Amount: \$59,865.00
Cost Center: 00730 / 5013 / H0246 / B0001 / G103509 / 49279
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EESE: Experiencing Ethics

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
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DIVISION OF RESEARCH**Texas Learning/Computation Center**

Investigator: Price, Daniel Dr. 35%
Award Amount: \$17,475.85
Cost Center: 00730 / 5013 / H0246 / B0001 / G103373 / 49475
Agency: National Endowment for the Humanities
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 2/28/2013
CFDA: 45.169 Humanities_Digital Humanities Initiative
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vwire: Digital Content Management through Spatial Arrangement - a Tool for Visual Argumentation in the Humanities

Investigator: Carlson, Coleen Dr. 10%
Award Amount: \$10,128.91
Cost Center: 00730 / 5013 / H0288 / B0001 / G104171 / 49693
Agency: Center for Applied Linguistics
Pass_Thru Agency: National Institute of Child Health and Human Development
Agency Type: FEDERAL
Duration: 6/1/2011 to 5/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: AVE: Acquisition of Vocabulary in English

Texas Obesity Research Center

Investigator: Layne, Charles S. Dr. 33%
Award Amount: \$16,500.00
Cost Center: 00730 / 5013 / H0500 / B0001 / G102987 / 49668
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/23/2011 to 8/31/2012
CFDA: 93.393 Cancer Cause and Prevention Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multinational Collaboration to Increase PA in Hispanics

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DIVISION OF RESEARCH**Texas Obesity Research Center**

Investigator: Lee, Rebecca Dr. 34%
Award Amount: \$17,000.00
Cost Center: 00730 / 5013 / H0500 / B0001 / G102987 / 49668
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/23/2011 to 8/31/2012
CFDA: 93.393 Cancer Cause and Prevention Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multinational Collaboration to Increase PA in Hispanics

TIMES

Investigator: Carlson, Coleen Dr. 70%
Award Amount: \$70,902.38
Cost Center: 00730 / 5013 / H0288 / B0001 / G104171 / 49693
Agency: Center for Applied Linguistics
Pass_Thru Agency: National Institute of Child Health and Human Development
Agency Type: FEDERAL
Duration: 6/1/2011 to 5/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: AVE: Acquisition of Vocabulary in English

GRADUATE COLLEGE OF SOCIAL WORK**Center for Health Equities & Evaluation Research**

Investigator: Torres, Isabel Dr. 100%
Award Amount: \$151,349.55
Cost Center: 00730 / 5013 / H0662 / B0001 / G103309 / 48641
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2011 to 8/31/2015
CFDA: 93.398 Cancer Research Manpower
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: End-of-life Treatment Preferences of Latino Medicare Beneficiaries with Cancer

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GRADUATE COLLEGE OF SOCIAL WORK**Child & Family for Innovative Research**

Investigator: Bordnick, Patrick Dr. 100%
Award Amount: \$22,000.00
Cost Center: 00730 / 5013 / H0509 / B0001 / G094998 / 44201
Agency: Virtually Better, Inc.
Pass_Thru Agency: National Institute on Alcohol Abuse and Alcoholism
Agency Type: FEDERAL
Duration: 10/1/2008 to 8/31/2012
CFDA: 93.103 Food and Drug Administration: Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Virtual Reality Relapse Prevention: Alcohol Dependence

HONORS COLLEGE**Dean, Honors College**

Investigator: Price, Daniel Dr. 35%
Award Amount: \$17,475.85
Cost Center: 00730 / 5013 / H0246 / B0001 / G103373 / 49475
Agency: National Endowment for the Humanities
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 2/28/2013
CFDA: 45.169 Humanities_Digital Humanities Initiative
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vwire: Digital Content Management through Spatial Arrangement - a Tool for Visual Argumentation in the Humanities

SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST**Learning and Assessment Services**

Investigator: Grindon, Angelina C. Ms. 100%
Award Amount: \$130,000.00
Cost Center: 00730 / 5016 / H0219 / C0001 / G103821 / 49480
Agency: Texas Department of State Health Services
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Families CAN: A Parent Case Management Model

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Division of Research
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SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST**Learning and Assessment Services**

Investigator: Anderson, Franklin J. Mr. 100%
Award Amount: \$301,376.00
Cost Center: 00730 / 5013 / H0219 / A0001 / G100798 / 47172
Agency: U.S. Department of Education
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2010 to 8/31/2012
CFDA: 84.042 TRIO - Student Support Services
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Student Support Services (The Challenger Program)

UH Charter School

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$14,922.00
Cost Center: 00730 / 5016 / H0441 / C0001 / C104229 / 49501
Agency: Texas Education Agency
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: National School Lunch Program FY 12

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$5,890.00
Cost Center: 00730 / 5016 / H0441 / C0001 / C104228 / 49498
Agency: Texas Education Agency
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: School Breakfast Program FY12

UNIVERSITY OF HOUSTON**Division of Research****New/Continuation Sponsored Research Grants and Contracts****Fiscal Year 2012 - Received during SEPTEMBER****SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST****UH Charter School**

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$18,479.00
Cost Center: 00730 / 5016 / H0441 / C0001 / C104226 / 49497
Agency: Texas Education Agency
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: Title I, Part A FY 12

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$3,896.00
Cost Center: 00730 / 5016 / H0441 / C0001 / C104225 / 49500
Agency: Texas Education Agency
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: Title II, Part A FY12

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$967,647.00
Cost Center: 00730 / 5016 / H0441 / C0001 / C104212 / 49502
Agency: Texas Education Agency
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: Foundation Fund Program Fund TEA

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$8,165,623.10
State Funding: \$1,615,537.00
Local Funding: \$0.00
Profit Funding: \$1,500,367.15
Non Profit Funding: \$424,235.00
Foundation Funding: \$95,167.00
University Funding: \$10,000.00
Total: **\$11,810,929.25**