

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2014 - Received during MARCH

C.T. BAUER COLLEGE OF BUSINESS

Small Business Development Center

Investigator: Young, Frederick Dr. 100%
Award Amount: \$657,590.00
Cost Center: 00730 / 5013 / H0053 / C0001 / G107264 / 54175
Agency: U.S. Small Business Administration
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/17/2013 to 9/30/2014
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: Obasi, Ezemenari Dr. 100%
Award Amount: \$56,931.00
Cost Center: 00730 / 5013 / H0064 / B0001 / G106020 / 52816
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 12/31/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Stress and Drug Use Vulnerability in the African American Community

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

African-American Studies

Investigator: Conyers, James Dr. 100%
Award Amount: \$1,500.00
Cost Center: 00730 / 5013 / H0094 / B0100 / C107401 / 54763
Agency: Humanities Texas
Pass_Thru Agency: National Endowment for the Humanities
Agency Type: FEDERAL
Duration: 9/1/2013 to 12/31/2013
CFDA: 45.129 Promotion of the Humanities - Federal/State Partnership
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: A Shared Authority: African American Oral History in Houston, Texas

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Arte Publico Press**

Investigator: Kanellos, Nicolas Dr. 100%
Award Amount: \$70,074.00
Cost Center: 00730 / 5021 / H0093 / C0001 / C108024 / 54698
Agency: The Houston Arts Alliance
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 7/1/2013 to 6/30/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: HAA 2014- GOSE - FY-142899

Health and Human Performance

Investigator: Layne, Charles S. Dr. 100%
Award Amount: \$12,400.00
Cost Center: 00730 / 5043 / H0065 / B0001 / G105746 / 51650
Agency: WYLE Laboratories
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 9/1/2012 to 6/30/2014
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Stephanie Bassett

Investigator: Layne, Charles S. Dr. 100%
Award Amount: \$17,459.00
Cost Center: 00730 / 5043 / H0065 / B0001 / G105759 / 51663
Agency: WYLE Laboratories
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 9/1/2012 to 6/30/2014
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Mitzi Laughlin

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Health and Human Performance**

Investigator: Layne, Charles S. Dr. 100%
Award Amount: \$18,000.00
Cost Center: 00730 / 5043 / H0065 / B0001 / G105754 / 51657
Agency: WYLE Laboratories
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 9/1/2012 to 6/30/2014
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Holly Patterson

Investigator: Layne, Charles S. Dr. 100%
Award Amount: \$10,000.00
Cost Center: 00730 / 5013 / H0065 / B0001 / G105384 / 52168
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 7/31/2012 to 7/30/2015
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: University of Houston SLS Graduate Research Stipend (ST-II)

Hobby Center for Public Policy

Investigator: Granato, Jim Dr. 100%
Award Amount: \$6,000.00
Cost Center: 00730 / 5021 / H0128 / C0001 / C107497 / 54719
Agency: Charles G. Koch Charitable Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 1/1/2014 to 12/31/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Civitas Project

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Hobby Center for Public Policy**

Investigator: Granato, Jim Dr. 100%
Award Amount: \$19,298.00
Cost Center: 00730 / 5016 / H0128 / B0100 / G107298 / 54708
Agency: Rice University
Pass_Thru Agency: Texas Department of Agriculture
Agency Type: STATE
Duration: 8/1/2013 to 12/31/2013
CFDA:
CB Designation: Non Restricted Research
Project Type: Contract - Research
Project Title: Understanding the Workforce Needs and Challenges of Rural and Agricultural Employers in Texas

Psychology

Investigator: McIntyre, Maria Teresa Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G101970 / 48264
Agency: Institute of Educational Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2011 to 2/28/2015
CFDA: 84.305 National Institute on Student Achievement, Curriculum and Assessment
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Using longitudinal and momentary analysis to study the impact of middle school teachers' stress on teacher effectiveness, student behavior and achievement

Investigator: Mariotto, Marco J. Dr. 100%
Award Amount: \$23,691.00
Cost Center: 00730 / 5021 / H0125 / B0001 / G107837 / 54564
Agency: Baylor College of Medicine
Pass_Thru Agency: Case Western Reserve University
Agency Type: UNIVERSITY
Duration: 1/1/2014 to 12/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Exploring Religious And Spiritual Struggle In Veterans And Its Relationship with Health Outcomes (Tannah Little)

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

Investigator: Barr, Christopher Dr. 20%
Award Amount: \$18,812.40
Cost Center: 00730 / 5013 / H0288 / B0001 / G103892 / 51005
Agency: Lehigh University
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 3/1/2012 to 2/28/2015
CFDA: 84.324 Special Education Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Reading Achievement Multi-Component Program (RAMP-UP)

Theatre

Investigator: Wallace, Steven Dr. 100%
Award Amount: \$90,000.00
Cost Center: 00730 / 5021 / H0085 / C0001 / C105822 / 54722
Agency: Miller Theatre Advisory Board, Inc
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 6/1/2013 to 8/31/2013
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Houston Shakespeare Festival 2013

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Brandon, Alan Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G101620 / 50430
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/4/2012 to 1/3/2015
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Isotopic Investigations of Planetary and Solar System Materials

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Choi, Yunsoo Dr. 50%
Award Amount: \$14,621.00
Cost Center: 00730 / 5043 / H0429 / B0001 / C107989 / 54721
Agency: Sandia National Laboratories
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/7/2014 to 12/31/2014
CFDA: 00.000 Not Elsewhere Classified
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Preparation of CMAQ input data for the North California Domain

Institute for Climate and Atmospheric Science

Investigator: Choi, Yunsoo Dr. 50%
Award Amount: \$14,621.00
Cost Center: 00730 / 5043 / H0429 / B0001 / C107989 / 54721
Agency: Sandia National Laboratories
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/7/2014 to 12/31/2014
CFDA: 00.000 Not Elsewhere Classified
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Preparation of CMAQ input data for the North California Domain

Mathematics

Investigator: Kuznetsov, Yuri Dr. 100%
Award Amount: \$33,000.00
Cost Center: 00730 / 5043 / H0110 / B0001 / C107882 / 54839
Agency: Los Alamos National Laboratories
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/4/2014 to 12/31/2014
CFDA: 81.000 Department of Energy
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Investigate Homogenization Algorithms for Mimetic Discretizations

UNIVERSITY OF HOUSTON**Division of Research****New/Continuation Sponsored Research Grants and Contracts****Fiscal Year 2014 - Received during MARCH****COLLEGE OF NATURAL SCIENCES AND MATHEMATICS****Physics**

Investigator: Curran, Seamus Dr. 50%
Award Amount: \$57,500.00
Cost Center: 00730 / 5021 / H0112 / B0001 / C108127 / 54752
Agency: C-Bond Systems, LLC
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 2/18/2014 to 8/18/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Ballistic spray-on protection nano-coating for Glass

COLLEGE OF TECHNOLOGY**Engineering Technology**

Investigator: Gurkan, Deniz Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5022 / H0139 / B0001 / G103733 / 48895
Agency: InfoBlox Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/21/2011 to 1/15/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Metadata Application of IF-MAP across GENI Infrastructures & A Use Case for Instrumentation and Measurement Resource Characterization, Access, and Control

Human Development and Consumer Science

Investigator: Hines, Andrew Dr. 100%
Award Amount: \$153,000.00
Cost Center: 00730 / 5021 / H0140 / B0100 / C107983 / 54627
Agency: Lumina Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 10/9/2013 to 5/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Lumina Project

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COLLEGE OF TECHNOLOGY**Texas Manufacturing Assistance Center**

Investigator: Cline, Raymond Dr. 100%
Award Amount: \$242,937.00
Cost Center: 00730 / 5015 / H0281 / C0001 / G107475 / 54407
Agency: University of Texas at Arlington
Pass_Thru Agency: U.S. Department of Commerce
Agency Type: FEDERAL
Duration: 9/1/2013 to 8/31/2014
CFDA: 11.611 Manufacturing Extension Partnership
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Texas Manufacturing Assistance Center GY19

CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Cirino, Patrick Dr. 100%
Award Amount: \$30,183.00
Cost Center: 00730 / 5043 / H0067 / B0001 / G107828 / 54783
Agency: University of California - Lawrence Berkeley Laboratory
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 2/1/2014 to 9/30/2014
CFDA: 81.000 Department of Energy
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Development of Biosensors for High-Throughput Functional Screening of Biosynthetic Pathways

Civil Engineering

Investigator: Chellam, Shankar Dr. 100%
Award Amount: \$145,007.00
Cost Center: 00730 / 5016 / H0068 / B0001 / G107338 / 54787
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency:
Agency Type: STATE
Duration: 2/21/2014 to 5/11/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Identifying and Quantifying the Episodic Impact of Saharan Dust on PM2.5 Concentrations in Houston

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$45,300.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G107914 / 54765
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 1/16/2014 to 8/31/2014
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Support for five Total Maximum Daily Load (TMDL) Additions in The Upper San Antonio River Watershed

Investigator: Lee, Hyongki Dr. 100%
Award Amount: \$36,918.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G106490 / 54168
Agency: Ohio State University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Goddard Space Flight Center
Agency Type: FEDERAL
Duration: 9/5/2013 to 9/4/2014
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Improved Quantification of Global Mountain Glacier Mass Balance Estimate

Electrical & Computer Engineering

Investigator: Wolfe, John C. Dr. 50%
Award Amount: \$102,085.00
Cost Center: 00730 / 5022 / H0070 / B0001 / C107460 / 54576
Agency: ParaPore, LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/7/2013 to 10/6/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Exploratory Studies in Masked Ion Track Lithography

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

Investigator: Prasad, Saurabh Dr. 100%
Award Amount: \$28,545.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G105579 / 51803
Agency: Purdue University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Agency Type: FEDERAL
Duration: 8/1/2012 to 7/31/2014
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: An Advanced Learning Framework for High Dimensional Multi-Sensor Remote Sensing Data

Investigator: Jackson, David R. Dr. 50%
Award Amount: \$49,965.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G107045 / 54584
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/13/2013 to 9/12/2015
CFDA: 43.009 Cross Agency Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Development of Novel Integrated Antennas for CubeSats

Investigator: Han, Zhu Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G099651 / 45949
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2010 to 2/28/2015
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Mutual Benefit in Cognitive Radio Networks: A Coalitional Game Framework

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CULLEN COLLEGE OF ENGINEERING

Electrical & Computer Engineering

Investigator: Chen, Ji Dr. 50%

Award Amount: \$49,965.00

Cost Center: 00730 / 5013 / H0070 / B0001 / G107045 / 54584

Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center

Pass_Thru Agency:

Agency Type: FEDERAL

Duration: 9/13/2013 to 9/12/2015

CFDA: 43.009 Cross Agency Support

CB Designation: Restricted Research

Project Type: Co-Op Agreement - Research

Project Title: Development of Novel Integrated Antennas for CubeSats

Nanosystem Manufacturing Center

Investigator: Wolfe, John C. Dr. 25%

Award Amount: \$51,042.50

Cost Center: 00730 / 5022 / H0070 / B0001 / C107460 / 54576

Agency: ParaPore, LLC

Pass_Thru Agency:

Agency Type: PROFIT

Duration: 10/7/2013 to 10/6/2014

CFDA:

CB Designation: Restricted Research

Project Type: Grant - Research

Project Title: Exploratory Studies in Masked Ion Track Lithography

DIVISION OF RESEARCH

Division of Research

Investigator: Bose - DOR, Rathindra Dr. 100%

Award Amount: \$3,568,840.00

Cost Center: 00730 / 5017 / H0233 / B0001 / C105271 / 51192

Agency: Texas Higher Education Coordinating Board

Pass_Thru Agency:

Agency Type: STATE

Duration: 1/5/2012 to 8/31/2016

CFDA:

CB Designation: Non Restricted Research

Project Type: Other Support - Research

Project Title: TRIP Matching Funds

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DIVISION OF RESEARCH**Institute for Nanoenergy**

Investigator: Curran, Seamus Dr. 50%
Award Amount: \$57,500.00
Cost Center: 00730 / 5021 / H0112 / B0001 / C108127 / 54752
Agency: C-Bond Systems, LLC
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 2/18/2014 to 8/18/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Ballistic spray-on protection nano-coating for Glass

TcSUH

Investigator: Wolfe, John C. Dr. 25%
Award Amount: \$51,042.50
Cost Center: 00730 / 5022 / H0070 / B0001 / C107460 / 54576
Agency: ParaPore, LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/7/2013 to 10/6/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Exploratory Studies in Masked Ion Track Lithography

TIMES

Investigator: Barr, Christopher Dr. 80%
Award Amount: \$75,249.60
Cost Center: 00730 / 5013 / H0288 / B0001 / G103892 / 51005
Agency: Lehigh University
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 3/1/2012 to 2/28/2015
CFDA: 84.324 Special Education Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Reading Achievement Multi-Component Program (RAMP-UP)

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DIVISION OF RESEARCH

TIMES

Investigator: McIntyre, Maria Teresa Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G101970 / 48264
Agency: Institute of Educational Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2011 to 2/28/2015
CFDA: 84.305 National Institute on Student Achievement, Curriculum and Assessment
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Using longitudinal and momentary analysis to study the impact of middle school teachers' stress on teacher effectiveness, student behavior and achievement

VICE PRESIDENT FOR ADMINISTRATION

KUHT-TV

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: \$148,489.00
Cost Center: 00730 / 5013 / H0436 / C0001 / G107197 / 54801
Agency: Public Broadcasting Service
Pass_Thru Agency: U.S. Department of Commerce - National Telecommunications and Information Administration
Agency Type: FEDERAL
Duration: 1/30/2013 to 8/31/2014
CFDA: 11.553 Special Projects
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Phase II-HARDENING SUB-GRANT PROGRAM

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$2,092,486.00
State Funding: \$3,733,145.00
Local Funding: \$0.00
Profit Funding: \$279,170.00
Non Profit Funding: \$275,074.00
Foundation Funding: \$159,000.00
University Funding: \$23,691.00
Total: **\$6,562,566.00**