

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings

Received During November, 2004

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G090745 / 5019 / H0063 / C0001
Title: CMCD Foerester Elementary School 2002-2003
Agency: Foerester Elementary School
Agency Code: 2FES00
Revenue Source Code: 700
Duration: 7/1/2002 to 6/30/2005
Award Amount: \$83,158.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Arte Publico Press

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G090512 / 5019 / H0087 / C0001
Title: Mental Health Mental Retardation Association
Agency: Mental Health Mental Retardation Authority
Agency Code: 2HCMH0
Revenue Source Code: 700
Duration: 9/1/2004 to 8/31/2005
Award Amount: \$2,700.00
Type of Support: Contract for Public Service
CFDA:
CB Designation: Non Research

KUHF-FM

Investigator: Mr. John M. Proffitt, 100.00%
Cost Center: G090616 / 5022 / H0018 / C0001
Title: Radio Community Service Grant FY2005
Agency: Corporation for Public Broadcasting
Agency Code: 4PBS01
Revenue Source Code: 800
Duration: 10/1/2004 to 9/30/2006
Award Amount: \$441,905.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Research

Psychology

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Received During November, 2004

Investigator: Dr. David J. Francis, 20.00%
Cost Center: G087776 / 5013 / H0288 / B0001
Title: Adolescent Literacy: Classification, Mechanisms, Outcome
Agency: Yale University
Agency Code: 7YAL00
Revenue Source Code: 800
Duration: 7/19/2004 to 4/30/2005
Award Amount: \$11,307.60
Type of Support: Grant for Research
CFDA: 93.865 - Center for Research for Mothers and Children
CB Designation: Restricted Research

Investigator: Dr. H. Julia Hannay, 100.00%
Cost Center: G090113 / 5021 / H0125 / B0001
Title: Graduate Student Placement in the Field of Neuropsychology
Agency: Texas Children's Hospital
Agency Code: 4TCX00
Revenue Source Code: 800
Duration: 9/1/2004 to 8/31/2005
Award Amount: \$34,032.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Biology/Biochemistry

Investigator: Dr. James M. Briggs, 100.00%
Cost Center: G090767 / 5013 / H0104 / B0001
Title: Utilization of Antimicrobial Natural Products for the Management of Microorganisms in Spacecraft
Agency: Texas Southern University
Agency Code: 1TSU00
Revenue Source Code: 600
Duration: 6/16/2004 to 6/15/2005
Award Amount: \$185,753.00
Type of Support: Contract for Research
CFDA: 43.000 - National Aeronautics and Space Administration
CB Designation: Restricted Research

Investigator: Dr. Costa M. Colbert, 50.00%
Cost Center: G086740 / 5013 / H0246 / B0001
Title: Collaborative-Computational Modeling of Living Brain Tissue Based on Reconstructed Morphology to Guide
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 9/30/2002 to 8/31/2005
Award Amount: \$148,434.00
Type of Support: Grant for Research
CFDA: 93.837 - Heart and Vascular Diseases Research
CB Designation: Restricted Research

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Received During November, 2004

Investigator: Dr. George E. Fox, 100.00%
Cost Center: G088521 / 5013 / H0104 / B0001
Title: Microorganisms in the Spacecraft Environment
Agency: National Aeronautics and Space Administration - Johnson Space Center
Agency Code: NAS300
Revenue Source Code: 500
Duration: 5/15/2004 to 6/1/2009
Award Amount: \$151,801.00
Type of Support: Grant for Research
CFDA: 43.000 - National Aeronautics and Space Administration
CB Designation: Restricted Research

Investigator: Dr. Peter Jurtshuk, 100.00%
Cost Center: G089981 / 5021 / H0104 / B0001
Title: Salary Reimbursement Agreement for Alexei Surguchev
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 5/1/2004 to 8/31/2004
Award Amount: \$10,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Chemistry

Investigator: Dr. Xiaolian Gao, 75.00%
Cost Center: G090083 / 5013 / H0107 / B0001
Title: Development of a Peptide Microchip System Phase II
Agency: Atactic Technologies, Inc.
Agency Code: 3ATI01
Revenue Source Code: 800
Duration: 6/15/2004 to 5/31/2005
Award Amount: \$208,815.00
Type of Support: Grant for Research
CFDA: 93.859 - Pharmacology, Physiology, and Biological Chemistry
CB Designation: Restricted Research

Investigator: Dr. Shiv Halasyamani, 100.00%
Cost Center: G005237 / 5013 / H0107 / B0001
Title: CAREER: The Synthesis and Characterization of New Ferroelectric-Second-Harmonic Generating Oxide Mat
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/15/2001 to 2/28/2006
Award Amount: \$67,608.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

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Investigator: Dr. Shiv Halasyamani, 60.00%
Cost Center: G090101 / 5013 / H0107 / B0001
Title: Chemical Design of Materials
Agency: University of California - Santa Barbara
Agency Code: 7CAL40
Revenue Source Code: 800
Duration: 9/1/2004 to 8/31/2006
Award Amount: \$88,440.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Computer Science

Investigator: Dr. Barbara M. Chapman, 100.00%
Cost Center: G090073 / 5013 / H0108 / B0001
Title: Collaborative: Performance Toolset for Dynamic Optimization of High-End Hybrid Applications
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 11/1/2004 to 10/31/2007
Award Amount: \$176,083.00
Type of Support: Grant for Research
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research

Investigator: Dr. Marc Garbey, 25.00%
Cost Center: G087607 / 5013 / H0246 / B0001
Title: Thermal Facial Screening Program
Agency: Honeywell International
Agency Code: 3HWI00
Revenue Source Code: 800
Duration: 6/1/2003 to 1/31/2005
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

Investigator: Dr. Marc Garbey, 50.00%
Cost Center: G087734 / 5013 / H0246 / B0001
Title: Robust a Posteriori Error Estimate for Thermal Transport and a Fluid Mechanics Applications
Agency: Sandia National Laboratories
Agency Code: 3SNL00
Revenue Source Code: 800
Duration: 9/17/2003 to 9/30/2005
Award Amount: \$31,684.50
Type of Support: Contract for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings

Received During November, 2004

Investigator: Dr. Ioannis Kakadiaris, 25.00%
Cost Center: G086740 / 5013 / H0246 / B0001
Title: Collaborative-Computational Modeling of Living Brain Tissue Based on Reconstructed Morphology to Guide
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 9/30/2002 to 8/31/2005
Award Amount: \$74,217.00
Type of Support: Grant for Research
CFDA: 93.837 - Heart and Vascular Diseases Research
CB Designation: Restricted Research

Investigator: Dr. Ioannis Pavlidis, 25.00%
Cost Center: G087607 / 5013 / H0246 / B0001
Title: Thermal Facial Screening Program
Agency: Honeywell International
Agency Code: 3HWI00
Revenue Source Code: 800
Duration: 6/1/2003 to 1/31/2005
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

Geosciences

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090087 / 5021 / H0429 / B0001
Title: Role of Modeling Assumptions in the Houston Mid-Course Review
Agency: Houston Advanced Research Center
Agency Code: 4HRC00
Revenue Source Code: 800
Duration: 6/2/2004 to 12/31/2004
Award Amount: \$62,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090238 / 5022 / H0429 / B0001
Title: H:17: Modeling the Effects of Land Use/Land Cover Modifications on the Urban Heat Island Phenonema in H
Agency: Geo-Technology Research Institute
Agency Code: 4GTR00
Revenue Source Code: 800
Duration: 9/1/2004 to 11/30/2004
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2004

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090311 / 5013 / H0429 / B0001
Title: Linkage Between WRF/nmm and CMAQ Models
Agency: NOAA-Office of Global Programs
Agency Code: COM102
Revenue Source Code: 500
Duration: 9/29/2004 to 9/28/2005
Award Amount: \$53,724.00
Type of Support: Contract for Research
CFDA: 11.432 - Office of Oceanic and Atmospheric Research (OAR) Joint a
CB Designation: Restricted Research

Investigator: Dr. De-Hua Han, 100.00%
Cost Center: G087321 / 5022 / H0109 / B0001
Title: Fluid & Rock Properties and Seismic Hydrocarbon Indicators
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 1/15/2003 to 12/31/2005
Award Amount: \$120,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Shuhab Khan, 100.00%
Cost Center: G089182 / 5013 / H0109 / B0001
Title: Digital Geology of Idaho
Agency: Idaho State University
Agency Code: 7IDSU0
Revenue Source Code: 800
Duration: 6/1/2004 to 5/31/2006
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA: 47.050 - Geosciences
CB Designation: Restricted Research

Institute for Molecular Design

Investigator: Dr. Xiaolian Gao, 25.00%
Cost Center: G090083 / 5013 / H0107 / B0001
Title: Development of a Peptide Microchip System Phase II
Agency: Atactic Technologies, Inc.
Agency Code: 3ATI01
Revenue Source Code: 800
Duration: 6/15/2004 to 5/31/2005
Award Amount: \$69,605.00
Type of Support: Grant for Research
CFDA: 93.859 - Pharmacology, Physiology, and Biological Chemistry
CB Designation: Restricted Research

Institute for Multidimensional Air Quality Studies

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Received During November, 2004

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090087 / 5021 / H0429 / B0001
Title: Role of Modeling Assumptions in the Houston Mid-Course Review
Agency: Houston Advanced Research Center
Agency Code: 4HRC00
Revenue Source Code: 800
Duration: 6/2/2004 to 12/31/2004
Award Amount: \$62,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090238 / 5022 / H0429 / B0001
Title: H:17: Modeling the Effects of Land Use/Land Cover Modifications on the Urban Heat Island Phenonema in H
Agency: Geo-Technology Research Institute
Agency Code: 4GTR00
Revenue Source Code: 800
Duration: 9/1/2004 to 11/30/2004
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Daewon Byun, 50.00%
Cost Center: G090311 / 5013 / H0429 / B0001
Title: Linkage Between WRF/nmm and CMAQ Models
Agency: NOAA-Office of Global Programs
Agency Code: COM102
Revenue Source Code: 500
Duration: 9/29/2004 to 9/28/2005
Award Amount: \$53,724.00
Type of Support: Contract for Research
CFDA: 11.432 - Office of Oceanic and Atmospheric Research (OAR) Joint a
CB Designation: Restricted Research

Mathematics

Investigator: Dr. Ilya Timofeyev, 100.00%
Cost Center: G089473 / 5013 / H0110 / B0001
Title: Numerical Strategies for Reduced Dynamics for Models of Geophysical Flows
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 9/15/2004 to 9/14/2005
Award Amount: \$47,669.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Physics

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Received During November, 2004

Investigator: Dr. Kevin E. Bassler, 100.00%
Cost Center: G089495 / 5013 / H0112 / B0001
Title: ITR-(NHS+ASE)-(sim): Self-Organization of Complex Network Dynamics for Efficiency and Robustness
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 9/15/2004 to 8/31/2008
Award Amount: \$240,000.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Investigator: Dr. Edgar A. Bering, 100.00%
Cost Center: G087451 / 5013 / H0112 / B0001
Title: Balloon Observations of MeV Electron Precipitation
Agency: University of California - Berkeley
Agency Code: 7CAL50
Revenue Source Code: 800
Duration: 8/1/2003 to 7/31/2005
Award Amount: \$40,000.00
Type of Support: Contract for Research
CFDA: 47.078 - NSF Polar Programs
CB Designation: Restricted Research

Investigator: Dr. Wolfgang Donner, 30.00%
Cost Center: G088762 / 5013 / H0112 / B0001
Title: Diffraction Studies of Glasses, Liquids and Nanoclusters
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 8/1/2004 to 7/31/2005
Award Amount: \$7,500.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Investigator: Dr. Ed V. Hungerford, 100.00%
Cost Center: G090323 / 5013 / H0112 / B0001
Title: R&D Support for the MECO Project
Agency: University of California - Irvine
Agency Code: 7CAL80
Revenue Source Code: 800
Duration: 7/1/2004 to 6/30/2005
Award Amount: \$88,000.00
Type of Support: Contract for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

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Investigator: Dr. Kwong Lau, 100.00%
Cost Center: G089637 / 5013 / H0112 / B0001
Title: Construction of a Leak Detector and Preparation of 500 BTeV Straws
Agency: Fermi National Accelerator Laboratory
Agency Code: 4FAL00
Revenue Source Code: 800
Duration: 4/1/2004 to 3/30/2005
Award Amount: \$12,000.00
Type of Support: Contract for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Investigator: Dr. Simon C. Moss, 30.00%
Cost Center: G088762 / 5013 / H0112 / B0001
Title: Diffraction Studies of Glasses, Liquids and Nanoclusters
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 8/1/2004 to 7/31/2005
Award Amount: \$7,500.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Community Optometry

Investigator: Dr. Jan P. G. Bergmanson, 100.00%
Cost Center: G089974 / 5022 / H0114 / B0001
Title: Ocular Sciences Clinical Performance of Prototype Silicone Hydrogel Contact Lenses
Agency: Ocular Sciences, Inc.
Agency Code: 3OSI00
Revenue Source Code: 800
Duration: 6/10/2004 to 9/30/2006
Award Amount: \$15,078.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Qin Chen, 100.00%
Cost Center: G090097 / 5013 / H0114 / B0001
Title: Culture and Characterization of Lens Progenitor Cells
Agency: National Institutes of Health
Agency Code: HEW040
Revenue Source Code: 500
Duration: 9/30/2004 to 8/31/2005
Award Amount: \$148,500.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

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Received During November, 2004

Investigator: Dr. Adrian Glasser, 100.00%
Cost Center: G089898 / 5022 / H0114 / B0001
Title: UHCO Accommodation and Presbyopia Research Center
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 5/1/2004 to 4/30/2005
Award Amount: \$27,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Adrian Glasser, 100.00%
Cost Center: G089965 / 5022 / H0114 / B0001
Title: Research Plan for Collaborative Research Agreement between Bausch & Lomb (B&L) and the
Agency: Bausch and Lomb Company
Agency Code: 3BLC00
Revenue Source Code: 800
Duration: 5/1/2004 to 6/30/2005
Award Amount: \$15,370.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF PHARMACY

Clinical Sciences and Administration

Investigator: Dr. Elizabeth Coyle, 17.00%
Cost Center: G090159 / 5022 / H0118 / B0001
Title: Clinical and Economic Outcomes of Patients with Candidemia in Relation to Empiric Therapy With
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 10/8/2004 to 12/15/2005
Award Amount: \$14,861.40
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Kevin Garey, 78.00%
Cost Center: G090159 / 5022 / H0118 / B0001
Title: Clinical and Economic Outcomes of Patients with Candidemia in Relation to Empiric Therapy With
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 10/8/2004 to 12/15/2005
Award Amount: \$68,187.60
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2004

Investigator: Dr. Russell Lewis, 5.00%
Cost Center: G090159 / 5022 / H0118 / B0001
Title: Clinical and Economic Outcomes of Patients with Candidemia in Relation to Empiric Therapy With
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 10/8/2004 to 12/15/2005
Award Amount: \$4,371.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Pharmacological and Pharmaceutical Sciences

Investigator: Dr. Ming Hu, 100.00%
Cost Center: G089866 / 5013 / H0117 / B0001
Title: Absorption and Metabolism of Isoflavones
Agency: National Cancer Institute
Agency Code: HEW401
Revenue Source Code: 500
Duration: 9/20/2004 to 6/30/2005
Award Amount: \$215,231.32
Type of Support: Grant for Research
CFDA: 93.399 - Cancer Control
CB Designation: Restricted Research

CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Dr. Michael Harold, 100.00%
Cost Center: G086248 / 5019 / H0067 / B0001
Title: Evaluation and Testing of Emission Control Devices for Diesel Exhaust Abatement
Agency: City of Houston, Texas
Agency Code: 2CTY00
Revenue Source Code: 700
Duration: 8/14/2002 to 8/13/2007
Award Amount: \$560,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Michael Nikolaou, 100.00%
Cost Center: G087801 / 5021 / H0067 / B0001
Title: A New Approach to High-Performance Drilling of Hydrocarbon Wells
Agency: Petroleum Research Fund
Agency Code: 4PRF00
Revenue Source Code: 800
Duration: 1/1/2004 to 8/31/2006
Award Amount: \$20,666.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Civil Engineering

Investigator: Dr. Shankar Chellam, 100.00%
Cost Center: G090023 / 5018 / H0068 / B0001
Title: Developing Fine Particulate Matter Source Profiles for the Houston Region
Agency: Texas Air Research Center
Agency Code: 4TARC0
Revenue Source Code: 800
Duration: 9/1/2004 to 8/31/2005
Award Amount: \$77,271.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Dennis A. Clifford, 100.00%
Cost Center: G090076 / 5013 / H0068 / B0001
Title: Inframat Phase II: Multifunctional MnO₂/Fe₂O₃ Nanocomposite for Arsenic Removal from Water
Agency: Inframat Corp.
Agency Code: 3IFC00
Revenue Source Code: 800
Duration: 9/1/2004 to 8/31/2006
Award Amount: \$92,700.00
Type of Support: Special Research Agreement for Research
CFDA: 12.800 - Air Force Defense Research Sciences Program
CB Designation: Restricted Research

Investigator: Dr. Dennis A. Clifford, 100.00%
Cost Center: G089605 / 5013 / H0068 / B0001
Title: High Efficiency and Cost-Effective Zirconium-and Titanium-Based Nanocomposites for Removal of Arsenic
Agency: Inframat Corp.
Agency Code: 3IFC00
Revenue Source Code: 800
Duration: 9/1/2004 to 8/15/2006
Award Amount: \$74,930.00
Type of Support: Contract for Research
CFDA: 12.800 - Air Force Defense Research Sciences Program
CB Designation: Restricted Research

Electrical Engineering

Investigator: Dr. Xuemin Chen, 25.00%
Cost Center: G090231 / 5016 / H0070 / B0001
Title: Moisture Sensor, Laser Profiler and Electronic Support for SH 114
Agency: Texas Department of Transportation
Agency Code: 1DOT00
Revenue Source Code: 600
Duration: 9/9/2004 to 8/31/2006
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Investigator: Dr. Ji Chen, 100.00%
Cost Center: G090234 / 5016 / H0070 / B0001
Title: An Efficient Full-Wave Framework for Future Micro and Nano-Electronic Devices
Agency: University of Texas-Texas Space Grant Consortium
Agency Code: 1UTX15
Revenue Source Code: 600
Duration: 9/1/2004 to 8/31/2006
Award Amount: \$10,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Jing Li, 25.00%
Cost Center: G090231 / 5016 / H0070 / B0001
Title: Moisture Sensor, Laser Profiler and Electronic Support for SH 114
Agency: Texas Department of Transportation
Agency Code: 1DOT00
Revenue Source Code: 600
Duration: 9/9/2004 to 8/31/2006
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. C. Richard Liu, 50.00%
Cost Center: G090231 / 5016 / H0070 / B0001
Title: Moisture Sensor, Laser Profiler and Electronic Support for SH 114
Agency: Texas Department of Transportation
Agency Code: 1DOT00
Revenue Source Code: 600
Duration: 9/9/2004 to 8/31/2006
Award Amount: \$25,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Industrial Engineering

Investigator: Dr. Hamid Parsaei, 20.00%
Cost Center: G088154 / 5015 / H0281 / B0001
Title: Texas Manufacturing Assistance Center
Agency: Texas Engineering Extension Service
Agency Code: 1TEES0
Revenue Source Code: 600
Duration: 6/1/2003 to 11/30/2004
Award Amount: \$8,746.60
Type of Support: Co-Op Agreement for Research
CFDA: 11.609 - Measurement and Engineering Research and Standards
CB Designation: Restricted Research

Texas Manufacturing Assistance Center

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Investigator: Dr. Hamid Parsaei, 80.00%
Cost Center: G088154 / 5015 / H0281 / B0001
Title: Texas Manufacturing Assistance Center
Agency: Texas Engineering Extension Service
Agency Code: 1TEESO
Revenue Source Code: 600
Duration: 6/1/2003 to 11/30/2004
Award Amount: \$34,986.40
Type of Support: Co-Op Agreement for Research
CFDA: 11.609 - Measurement and Engineering Research and Standards
CB Designation: Restricted Research

DIVISION OF RESEARCH

Center for Materials Chemistry

Investigator: Dr. Wolfgang Donner, 20.00%
Cost Center: G088762 / 5013 / H0112 / B0001
Title: Diffraction Studies of Glasses, Liquids and Nanoclusters
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 8/1/2004 to 7/31/2005
Award Amount: \$5,000.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Investigator: Dr. Shiv Halasyamani, 40.00%
Cost Center: G090101 / 5013 / H0107 / B0001
Title: Chemical Design of Materials
Agency: University of California - Santa Barbara
Agency Code: 7CAL40
Revenue Source Code: 800
Duration: 9/1/2004 to 8/31/2006
Award Amount: \$58,960.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Investigator: Dr. Simon C. Moss, 10.00%
Cost Center: G088762 / 5013 / H0112 / B0001
Title: Diffraction Studies of Glasses, Liquids and Nanoclusters
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 8/1/2004 to 7/31/2005
Award Amount: \$2,500.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

TcSAM

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings

Received During November, 2004

Investigator: Dr. Simon C. Moss, 10.00%
Cost Center: G088762 / 5013 / H0112 / B0001
Title: Diffraction Studies of Glasses, Liquids and Nanoclusters
Agency: U.S. Department of Energy
Agency Code: DOE000
Revenue Source Code: 500
Duration: 8/1/2004 to 7/31/2005
Award Amount: \$2,500.00
Type of Support: Grant for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Texas Learning/Computation Center

Investigator: Dr. David J. Francis, 10.00%
Cost Center: G087776 / 5013 / H0288 / B0001
Title: Adolescent Literacy: Classification, Mechanisms, Outcome
Agency: Yale University
Agency Code: 7YAL00
Revenue Source Code: 800
Duration: 7/19/2004 to 4/30/2005
Award Amount: \$5,653.80
Type of Support: Grant for Research
CFDA: 93.865 - Center for Research for Mothers and Children
CB Designation: Restricted Research

Investigator: Dr. Marc Garbey, 25.00%
Cost Center: G087607 / 5013 / H0246 / B0001
Title: Thermal Facial Screening Program
Agency: Honeywell International
Agency Code: 3HWI00
Revenue Source Code: 800
Duration: 6/1/2003 to 1/31/2005
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

Investigator: Dr. Marc Garbey, 50.00%
Cost Center: G087734 / 5013 / H0246 / B0001
Title: Robust a Posteriori Error Estimate for Thermal Transport and a Fluid Mechanics Applications
Agency: Sandia National Laboratories
Agency Code: 3SNL00
Revenue Source Code: 800
Duration: 9/17/2003 to 9/30/2005
Award Amount: \$31,684.50
Type of Support: Contract for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings

Received During November, 2004

Investigator: Dr. S. Lennart Johnsson, 100.00%
Cost Center: G088617 / 5013 / H0246 / B0001
Title: Los Alamos Computer Science Institute
Agency: Rice University
Agency Code: 7RIC00
Revenue Source Code: 800
Duration: 10/1/2003 to 9/30/2004
Award Amount: \$50,000.00
Type of Support: Contract for Research
CFDA: 81.041 - State Energy Program
CB Designation: Restricted Research

Investigator: Dr. Ioannis Kakadiaris, 25.00%
Cost Center: G086740 / 5013 / H0246 / B0001
Title: Collaborative-Computational Modeling of Living Brain Tissue Based on Reconstructed Morphology to Guide
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 9/30/2002 to 8/31/2005
Award Amount: \$74,217.00
Type of Support: Grant for Research
CFDA: 93.837 - Heart and Vascular Diseases Research
CB Designation: Restricted Research

Investigator: Dr. Ioannis Pavlidis, 25.00%
Cost Center: G087607 / 5013 / H0246 / B0001
Title: Thermal Facial Screening Program
Agency: Honeywell International
Agency Code: 3HWI00
Revenue Source Code: 800
Duration: 6/1/2003 to 1/31/2005
Award Amount: \$12,500.00
Type of Support: Contract for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

TIMES

Investigator: Dr. David J. Francis, 70.00%
Cost Center: G087776 / 5013 / H0288 / B0001
Title: Adolescent Literacy: Classification, Mechanisms, Outcome
Agency: Yale University
Agency Code: 7YAL00
Revenue Source Code: 800
Duration: 7/19/2004 to 4/30/2005
Award Amount: \$39,576.60
Type of Support: Grant for Research
CFDA: 93.865 - Center for Research for Mothers and Children
CB Designation: Restricted Research

UH SYSTEM

KUHT-TV

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During November, 2004

Investigator: Dr. John Hesse, 100.00%
 Cost Center: G090619 / 5022 / H0436 / C0001
 Title: Television Community Service Grant FY2005
 Agency: Corporation for Public Broadcasting
 Agency Code: 4PBS01
 Revenue Source Code: 800
 Duration: 10/1/2004 to 9/30/2006
 Award Amount: \$1,468,217.00
 Type of Support: Grant for Public Service
 CFDA:
 CB Designation: Non Research

Investigator: Dr. John Hesse, 100.00%
 Cost Center: G090617 / 5022 / H0436 / C0001
 Title: Television Interconnection Grant FY2005
 Agency: Corporation for Public Broadcasting
 Agency Code: 4PBS01
 Revenue Source Code: 800
 Duration: 10/1/2004 to 9/30/2005
 Award Amount: \$29,600.00
 Type of Support: Grant for Research
 CFDA:
 CB Designation: Non Research

Total Federal	\$1,179,340.32
Total State	\$289,486.00
Total Local	\$645,858.00
Total Other	\$3,777,284.00
TOTAL THIS MONTH	\$5,891,968.32