

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

Received During January, 2004

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G089056 / 5021 / H0063 / C0001
Title: CMCD/Alternative Certification Program of Houston Independent School District
Agency: Houston Independent School District
Agency Code: 2HSD00
Revenue Source Code: 700
Duration: 8/1/2003 to 7/31/2004
Award Amount: \$25,940.00
Type of Support: Contract for Public Service
CFDA:
CB Designation: Non Research

Educational Leadership & Cultural Studies

Investigator: Dr. Patricia E. Holland, 10.00%
Cost Center: G088577 / 5016 / H0061 / B0001
Title: Houston Schools for a New Society Evaluation Project
Agency: University of Texas at Austin
Agency Code: 1UTX00
Revenue Source Code: 600
Duration: 8/30/2003 to 8/29/2004
Award Amount: \$13,120.60
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Joy Phillips, 80.00%
Cost Center: G088577 / 5016 / H0061 / B0001
Title: Houston Schools for a New Society Evaluation Project
Agency: University of Texas at Austin
Agency Code: 1UTX00
Revenue Source Code: 600
Duration: 8/30/2003 to 8/29/2004
Award Amount: \$104,964.80
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Health and Human Performance

University of Houston
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Received During January, 2004

Investigator: Dr. Charles S. Layne, 100.00%
Cost Center: G088926 / 5013 / H0065 / B0001
Title: Developmental Evaluation of a Dynamic Foot Stimulation Device
Agency: National Aeronautics and Space Administration - Johnson Space Center
Agency Code: NAS300
Revenue Source Code: 500
Duration: 12/19/2003 to 10/30/2004
Award Amount: \$59,592.00
Type of Support: Grant for Research
CFDA: 93.287 - Bioengineering Research
CB Designation: Restricted Research

Investigator: Dr. Dennis W. Smith, 100.00%
Cost Center: G088610 / 5016 / H0065 / B0001
Title: Tobacco Use Cessation Among Youth and Young Adults
Agency: Texas Department of Health
Agency Code: 1TDH00
Revenue Source Code: 600
Duration: 1/1/2004 to 8/31/2004
Award Amount: \$50,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Texas Center for University School Partnerships

Investigator: Dr. W. Robert Houston, 100.00%
Cost Center: G085637 / 5021 / H0059 / B0001
Title: Bright Beginnings - Evaluation
Agency: United Way of the Texas Gulf Coast
Agency Code: 4UWAY2
Revenue Source Code: 800
Duration: 10/1/2001 to 12/31/2004
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Arte Publico Press

Investigator: Dr. Nicolas Kanellos, 100.00%
Cost Center: G087847 / 5019 / H0093 / B0001
Title: General Assistance Program 2004 - FY2004-0177-GOS
Agency: Cultural Arts Council of Houston and Harris County
Agency Code: 4CAC00
Revenue Source Code: 800
Duration: 7/1/2003 to 6/30/2004
Award Amount: \$60,500.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Blaffer Gallery

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G087766 / 5019 / H0097 / B0001
Title: General Operation Support 2004 - FY2004-0013-GOS
Agency: Cultural Arts Council of Houston and Harris County
Agency Code: 4CAC00
Revenue Source Code: 800
Duration: 7/1/2003 to 6/30/2004
Award Amount: \$28,100.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Communication Disorders

Investigator: Dr. Margaret Blake, 100.00%
Cost Center: G087358 / 5013 / H0087 / B0001
Title: Inference Processes in Adults with Right Brain Damage
Agency: National Institutes of Health
Agency Code: HEW040
Revenue Source Code: 500
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$74,250.00
Type of Support: Grant for Research
CFDA: 93.173 - Research Related to Deafness and Communication Disorders
CB Designation: Restricted Research

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G089256 / 5019 / H0087 / C0001
Title: Mental Health Mental Retardation - Hearing Evaluation
Agency: Mental Health Mental Retardation Authority
Agency Code: 2HCMH0
Revenue Source Code: 700
Duration: 9/1/2003 to 8/31/2004
Award Amount: \$2,340.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G089257 / 5019 / H0087 / C0001
Title: Mental Health Mental Retardation - Hearing Evaluation
Agency: Mental Health Mental Retardation Authority
Agency Code: 2HCMH0
Revenue Source Code: 700
Duration: 9/1/2003 to 8/31/2004
Award Amount: \$5,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

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Received During January, 2004

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G005165 / 5022 / H0087 / B0001
Title: United Way Support for Service Delivery in the University of Houston Speech, Language and Hearing Clinic
Agency: United Way of the Texas Gulf Coast
Agency Code: 4UWAY2
Revenue Source Code: 800
Duration: 1/1/2001 to 3/31/2004
Award Amount: \$58,965.00
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Sociology

Investigator: Dr. Joseph A. Kotarba, 10.00%
Cost Center: G088577 / 5016 / H0061 / B0001
Title: Houston Schools for a New Society Evaluation Project
Agency: University of Texas at Austin
Agency Code: 1UTX00
Revenue Source Code: 600
Duration: 8/30/2003 to 8/29/2004
Award Amount: \$13,120.60
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Biology/Biochemistry

Investigator: Dr. Werner Hoch, 100.00%
Cost Center: G088054 / 5021 / H0104 / B0001
Title: Generation of an Animal Model for a New Form of Myasthenia Gravis (MG)
Agency: Muscular Dystrophy Association
Agency Code: 4MDA00
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$75,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Sean-Patrick Scott, 100.00%
Cost Center: G088779 / 5021 / H0104 / B0001
Title: Structural and Functional Studies of the CAMP Binding Domain of the HCN Pacemaker Channel
Agency: American Heart Association - National Center
Agency Code: 4AHA00
Revenue Source Code: 800
Duration: 9/1/2003 to 12/31/2004
Award Amount: \$67,686.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Received During January, 2004

Chemistry

Investigator: Dr. Xiaolian Gao, 50.00%
Cost Center: G086327 / 5013 / H0107 / B0001
Title: Development of a Peptide Microchip System (Phase I)
Agency: Atactic Technologies, Inc.
Agency Code: 3ATI01
Revenue Source Code: 800
Duration: 8/25/2003 to 9/30/2004
Award Amount: \$49,204.00
Type of Support: Grant for Research
CFDA: 93.371 - Biomedical Technology
CB Designation: Restricted Research

Investigator: Dr. Scott S. Perry, 100.00%
Cost Center: G086498 / 5013 / H0107 / B0001
Title: Metal Carbide Coatings for Aerospace Applications
Agency: U.S. Air Force Office of Scientific Research
Agency Code: DOD101
Revenue Source Code: 500
Duration: 2/1/2003 to 12/31/2004
Award Amount: \$150,000.00
Type of Support: Grant for Research
CFDA: 12.630 - Basic, Applied, and Advanced Research in Science and Engi
CB Designation: Restricted Research

Computer Science

Investigator: Dr. Marc Garbey, 50.00%
Cost Center: G087172 / 5013 / H0246 / B0001
Title: Efficient Algorithms for Metacomputing of Partial Differential Equations
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2003 to 2/29/2004
Award Amount: \$51,944.50
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
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: \$40,000.00
Type of Support: Contract for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

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Received During January, 2004

Investigator: Dr. Ioannis Kakadiaris, 50.00%
Cost Center: G089285 / 5021 / H0246 / B0001
Title: Fitting a Statistical Shape and Appearance Deformable Model to Gene-Expression Mouse Brain Data
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. George Zouridakis, 50.00%
Cost Center: G089286 / 5021 / H0246 / B0001
Title: Computational Tracking of Brain Activity Synchronization
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Geosciences

Investigator: Dr. K. Bissada, 100.00%
Cost Center: G087811 / 5022 / H0109 / B0001
Title: Addenda to Master Research Services Agreement with Unocal Corporation
Agency: UNOCAL Corporation
Agency Code: 3UNOC0
Revenue Source Code: 800
Duration: 3/10/2003 to 3/31/2004
Award Amount: \$31,430.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Daewon Byun, 100.00%
Cost Center: G088520 / 1097 / H0109 / B0004
Title: Development of Texas Emissions Inventory Preparation System for SMOKE
Agency: Texas Air Research Center
Agency Code: 4TARC0
Revenue Source Code: 800
Duration: 10/20/2003 to 10/19/2004
Award Amount: \$59,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Restricted Research

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Received During January, 2004

Investigator: Dr. Kurt Marfurt, 25.00%
Cost Center: G088283 / 1098 / H0243 / B0020
Title: 3-D Seismic Attribute Analysis of Fractured Shale Reservoirs: Fort Worth and East Texas Basin, Texas
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$31,249.75
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Ms. E. Charlotte Sullivan, 25.00%
Cost Center: G088283 / 1098 / H0243 / B0020
Title: 3-D Seismic Attribute Analysis of Fractured Shale Reservoirs: Fort Worth and East Texas Basin, Texas
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$31,249.75
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Institute for Molecular Biology

Investigator: Dr. Xiaolian Gao, 10.00%
Cost Center: G086327 / 5013 / H0107 / B0001
Title: Development of a Peptide Microchip System (Phase I)
Agency: Atactic Technologies, Inc.
Agency Code: 3ATI01
Revenue Source Code: 800
Duration: 8/25/2003 to 9/30/2004
Award Amount: \$9,840.80
Type of Support: Grant for Research
CFDA: 93.371 - Biomedical Technology
CB Designation: Restricted Research

Institute for Molecular Design

Investigator: Dr. Xiaolian Gao, 40.00%
Cost Center: G086327 / 5013 / H0107 / B0001
Title: Development of a Peptide Microchip System (Phase I)
Agency: Atactic Technologies, Inc.
Agency Code: 3ATI01
Revenue Source Code: 800
Duration: 8/25/2003 to 9/30/2004
Award Amount: \$39,363.20
Type of Support: Grant for Research
CFDA: 93.371 - Biomedical Technology
CB Designation: Restricted Research

Mathematics

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Received During January, 2004

Investigator: Dr. Min Ru, 100.00%
Cost Center: G085525 / 5013 / H0110 / B0001
Title: Diophantine Approximation and Nevanlinna Theory
Agency: National Security Agency
Agency Code: DOD700
Revenue Source Code: 500
Duration: 1/29/2003 to 1/28/2005
Award Amount: \$18,848.00
Type of Support: Contract for Research
CFDA: 12.901 - Mathematical Sciences Grants Program
CB Designation: Restricted Research

Physics

Investigator: Dr. Lawrence S. Pinsky, 100.00%
Cost Center: G085812 / 5013 / H0112 / B0001
Title: Radiation Transport Code Development for Space Radiation Shielding Applications
Agency: University of Tennessee
Agency Code: 7UTN00
Revenue Source Code: 800
Duration: 12/1/2002 to 11/30/2006
Award Amount: \$82,356.00
Type of Support: Contract for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Arthur Weglein, 100.00%
Cost Center: G086114 / 5022 / H0112 / B0001
Title: Mission-oriented Seismic Research Program
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 1/1/2002 to 12/31/2004
Award Amount: \$96,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Roy Weinstein, 25.00%
Cost Center: G088106 / 1098 / H0247 / B0020
Title: Achievement of Benefits from Nanometer Size Chemical Pinning Centers in High Tc Superconductors
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$27,500.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

COLLEGE OF OPTOMETRY

Optometry

University of Houston
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New Grants and Continuation Awards for Research,
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Received During January, 2004

Investigator: Dr. Susana Chung, 100.00%
Cost Center: G086620 / 5013 / H0113 / B0001
Title: Reading in Peripheral Vision
Agency: National Eye Institute
Agency Code: HEW402
Revenue Source Code: 500
Duration: 7/1/2002 to 1/31/2005
Award Amount: \$126,632.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

Investigator: Dr. Ronald S. Harwerth, 100.00%
Cost Center: G083166 / 5013 / H0113 / B0001
Title: Behavioral Measures of Binocular Vision
Agency: National Eye Institute
Agency Code: HEW402
Revenue Source Code: 500
Duration: 1/1/2002 to 12/31/2004
Award Amount: \$297,000.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

COLLEGE OF PHARMACY

Clinical Sciences and Administration

Investigator: Dr. Russell Lewis, 100.00%
Cost Center: G086627 / 5021 / H0118 / B0001
Title: Immunopharmacodynamics of Invasive Aspergillosis
Agency: Society of Infectious Diseases Pharmacists
Agency Code: 4IDP00
Revenue Source Code: 800
Duration: 10/1/2002 to 9/30/2003
Award Amount: \$15,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Heart and Kidney Institute

Investigator: Dr. Tahir Hussain, 50.00%
Cost Center: G086215 / 5013 / H0117 / B0001
Title: Renal Angiotensin II Receptor Function in Obesity
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Agency Code: HEW406
Revenue Source Code: 500
Duration: 3/15/2003 to 1/31/2005
Award Amount: \$91,327.50
Type of Support: Grant for Research
CFDA: 93.849 - Kidney Diseases, Urology, and Hematology Research
CB Designation: Restricted Research

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Received During January, 2004

Investigator: Dr. Mustafa F. Lokhandwala, 50.00%
Cost Center: G005173 / 5013 / H0117 / B0001
Title: Renal Dopamine Receptor Function in Obese Zucker Rats
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Agency Code: HEW406
Revenue Source Code: 500
Duration: 3/1/2001 to 1/31/2005
Award Amount: \$105,094.00
Type of Support: Grant for Research
CFDA: 93.849 - Kidney Diseases, Urology, and Hematology Research
CB Designation: Restricted Research

Pharmacological and Pharmaceutical Sciences

Investigator: Dr. Tahir Hussain, 50.00%
Cost Center: G086215 / 5013 / H0117 / B0001
Title: Renal Angiotensin II Receptor Function in Obesity
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Agency Code: HEW406
Revenue Source Code: 500
Duration: 3/15/2003 to 1/31/2005
Award Amount: \$91,327.50
Type of Support: Grant for Research
CFDA: 93.849 - Kidney Diseases, Urology, and Hematology Research
CB Designation: Restricted Research

Investigator: Dr. Mustafa F. Lokhandwala, 50.00%
Cost Center: G005173 / 5013 / H0117 / B0001
Title: Renal Dopamine Receptor Function in Obese Zucker Rats
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Agency Code: HEW406
Revenue Source Code: 500
Duration: 3/1/2001 to 1/31/2005
Award Amount: \$105,094.00
Type of Support: Grant for Research
CFDA: 93.849 - Kidney Diseases, Urology, and Hematology Research
CB Designation: Restricted Research

CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Dr. Vemuri Balakotaiah, 50.00%
Cost Center: G088319 / 1098 / H0067 / B0020
Title: Design and Optimization of the NOx Trap Reactor
Agency: Texas Higher Education Coordinating Board - TDT
Agency Code: 1COR05
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$75,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

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Received During January, 2004

Investigator: Dr. Vincent Donnelly, 50.00%
Cost Center: G088045 / 1098 / H0067 / B0020
Title: Energetic (100s of eV) Directional Neutral Beams for Advanced Microelectronics Manufacturing
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$80,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Dr. Demetre J. Economou, 50.00%
Cost Center: G088045 / 1098 / H0067 / B0020
Title: Energetic (100s of eV) Directional Neutral Beams for Advanced Microelectronics Manufacturing
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$80,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Dr. Michael Harold, 50.00%
Cost Center: G088319 / 1098 / H0067 / B0020
Title: Design and Optimization of the NOx Trap Reactor
Agency: Texas Higher Education Coordinating Board - TDT
Agency Code: 1COR05
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$75,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Dr. Ramanan Krishnamoorti, 100.00%
Cost Center: G088614 / 1098 / H0067 / B0020
Title: Molecular Interaction Between Phosphatidylcholine and NSAIDs: From Bench to Bedside
Agency: Texas Higher Education Coordinating Board - TDT
Agency Code: 1COR05
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$50,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

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Received During January, 2004

Investigator: Dr. Ramanan Krishnamoorti, 100.00%
Cost Center: G088827 / 5022 / H0067 / B0001
Title: Single Walled Carbon Nanotube Based Polymer Nanocomposites: Dispersion and Tailoring of Properties.
Agency: Carbon Nanotechnologies, Inc.
Agency Code: 3CNI00
Revenue Source Code: 800
Duration: 11/1/2003 to 10/31/2004
Award Amount: \$60,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Civil Engineering

Investigator: Dr. Shankar Chellam, 50.00%
Cost Center: G088332 / 1098 / H0070 / B0020
Title: Atom-Beam Nanolithography for Manufacturing Large-Areas of a New Class of Membrane Filter
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$85,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Composites Engineering and Applications Center

Investigator: Dr. Su Su Wang, 100.00%
Cost Center: G003761 / 5022 / H0077 / B0001
Title: Composites Research
Agency: Ameron International
Agency Code: 3AMER0
Revenue Source Code: 800
Duration: 10/1/1999 to 9/30/2004
Award Amount: \$45,000.00
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Investigator: Dr. Su Su Wang, 100.00%
Cost Center: G087830 / 5021 / H0077 / B0001
Title: Ultra-Deep Water Composite Risers: Advanced Design Technology and Reliability Assessment
Agency: Research Partnership to Secure Energy for America
Agency Code: 4RPS00
Revenue Source Code: 800
Duration: 8/1/2003 to 9/1/2004
Award Amount: \$242,782.00
Type of Support: Contract for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Electrical Engineering

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Received During January, 2004

Investigator: Dr. David R. Jackson, 50.00%
Cost Center: G088330 / 1098 / H0070 / B0020
Title: Reconfigurable Antenna Systems for Next-Generation Wireless Communications
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$85,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Dr. Paul Ruchhoeft, 50.00%
Cost Center: G088332 / 1098 / H0070 / B0020
Title: Atom-Beam Nanolithography for Manufacturing Large-Areas of a New Class of Membrane Filter
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$85,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Dr. Donald R. Wilton, 50.00%
Cost Center: G088330 / 1098 / H0070 / B0020
Title: Reconfigurable Antenna Systems for Next-Generation Wireless Communications
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$85,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Industrial Engineering

Investigator: Dr. Lawrence J. H. Schulze, 100.00%
Cost Center: G088289 / 5015 / H0072 / B0001
Title: Injury Prevention Program
Agency: University of Texas School of Public Health
Agency Code: 1UTX12
Revenue Source Code: 600
Duration: 7/1/2003 to 6/30/2004
Award Amount: \$25,605.00
Type of Support: Grant for Research
CFDA: 93.283 - Centers for Disease Control and Prevention - Investigations
CB Designation: Restricted Research

Mechanical Engineering

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During January, 2004

Investigator:	Dr. D. Keith Hollingsworth, 50.00%
Cost Center:	G088086 / 1098 / H0073 / B0020
Title:	Development of a Two-Phase Micro-Scale Heat Exchanger
Agency:	Texas Higher Education Coordinating Board - ATP
Agency Code:	1COR01
Revenue Source Code:	600
Duration:	1/1/2004 to 12/31/2005
Award Amount:	\$80,000.00
Type of Support:	Grant for Research
CFDA:	
CB Designation:	Non Restricted Research
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Investigator:	Dr. Kamel Salama, 100.00%
Cost Center:	G086308 / 5013 / H0073 / B0001
Title:	Epitaxial Growth of Solution Based Buffer Layers on Biaxially Textured Metal Substrates for YBCO Coated
Agency:	U.S. Air Force Office of Scientific Research
Agency Code:	DOD101
Revenue Source Code:	500
Duration:	7/1/2002 to 6/30/2004
Award Amount:	\$12,620.00
Type of Support:	Grant for Research
CFDA:	93.853 - Clinical Research Related to Neurological Disorders
CB Designation:	Restricted Research
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Investigator:	Dr. Gangbing Song, 100.00%
Cost Center:	G087363 / 5021 / H0073 / B0001
Title:	An Over-Height Collision Protection System Using Smart Materials
Agency:	University of Akron
Agency Code:	7UAK00
Revenue Source Code:	800
Duration:	10/1/2003 to 9/30/2005
Award Amount:	\$20,000.00
Type of Support:	Contract for Research
CFDA:	
CB Designation:	Restricted Research
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Investigator:	Dr. Gangbing Song, 100.00%
Cost Center:	G088216 / 5013 / H0073 / B0001
Title:	Develop a Smart Vibration Platform Experiment
Agency:	National Science Foundation
Agency Code:	NSF000
Revenue Source Code:	500
Duration:	1/15/2004 to 12/31/2005
Award Amount:	\$74,957.00
Type of Support:	Grant for Research
CFDA:	47.076 - Education and Human Resources
CB Designation:	Restricted Research

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Received During January, 2004

Investigator: Dr. Larry C. Witte, 50.00%
Cost Center: G088086 / 1098 / H0073 / B0020
Title: Development of a Two-Phase Micro-Scale Heat Exchanger
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$80,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

DIVISION OF RESEARCH

Allied Geophysical Laboratories

Investigator: Dr. Kurt Marfurt, 25.00%
Cost Center: G088283 / 1098 / H0243 / B0020
Title: 3-D Seismic Attribute Analysis of Fractured Shale Reservoirs: Fort Worth and East Texas Basin, Texas
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$31,249.75
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Investigator: Ms. E. Charlotte Sullivan, 25.00%
Cost Center: G088283 / 1098 / H0243 / B0020
Title: 3-D Seismic Attribute Analysis of Fractured Shale Reservoirs: Fort Worth and East Texas Basin, Texas
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$31,249.75
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Center for Materials Chemistry

Investigator: Dr. Allan J. Jacobson, 100.00%
Cost Center: G005345 / 5015 / H0248 / B0001
Title: Sulfur Tolerant Fuel Cell Catalyst
Agency: University of Texas at El Paso
Agency Code: 1UTX60
Revenue Source Code: 600
Duration: 10/1/2000 to 9/30/2005
Award Amount: \$70,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 81.104 - Technology Development for Environmental Management
CB Designation: Restricted Research

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Received During January, 2004

TcSAM

Investigator: Dr. Roy Weinstein, 75.00%
Cost Center: G088106 / 1098 / H0247 / B0020
Title: Achievement of Benefits from Nanometer Size Chemical Pinning Centers in High Tc Superconductors
Agency: Texas Higher Education Coordinating Board - ATP
Agency Code: 1COR01
Revenue Source Code: 600
Duration: 1/1/2004 to 12/31/2005
Award Amount: \$82,500.00
Type of Support: Grant for Research
CFDA:
CB Designation: Non Restricted Research

Texas Learning/Computation Center

Investigator: Dr. Marc Garbey, 50.00%
Cost Center: G087172 / 5013 / H0246 / B0001
Title: Efficient Algorithms for Metacomputing of Partial Differential Equations
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2003 to 2/29/2004
Award Amount: \$51,944.50
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
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: \$40,000.00
Type of Support: Contract for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

Investigator: Dr. S. Lennart Johnsson, 100.00%
Cost Center: G087713 / 5013 / H0246 / B0001
Title: ITR: Virtual Grid Application Development Software (vGrADS)
Agency: Rice University
Agency Code: 7RIC00
Revenue Source Code: 800
Duration: 10/1/2003 to 9/30/2004
Award Amount: \$147,500.00
Type of Support: Co-Op Agreement for Research
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research

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New Grants and Continuation Awards for Research,
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Received During January, 2004

Investigator: Dr. Ioannis Kakadiaris, 50.00%
Cost Center: G089285 / 5021 / H0246 / B0001
Title: Fitting a Statistical Shape and Appearance Deformable Model to Gene-Expression Mouse Brain Data
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. George Zouridakis, 50.00%
Cost Center: G089286 / 5021 / H0246 / B0001
Title: Computational Tracking of Brain Activity Synchronization
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2004
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

VICE PRESIDENT FOR STUDENT AFFAIRS

Counseling and Testing

Investigator: Ms. Angelina C. Grindon, 100.00%
Cost Center: G087884 / 5022 / H0219 / B0001
Title: Grandparents Raising Grandchildren
Agency: Brookdale Foundation
Agency Code: 6BDF00
Revenue Source Code: 800
Duration: 7/1/2003 to 6/30/2004
Award Amount: \$4,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Total Federal	\$1,310,631.00
Total State	\$1,371,810.00
Total Local	\$33,280.00
Total Other	\$1,326,727.00
TOTAL THIS MONTH	\$4,042,448.00