

University Of Houston
List of Sustainable Research topics since 2007

FISCAL_YEAR	TITLE	PI_NAME	DEPT_NAME
2007	Composites Engineering and Applications Center for Petroleum Exploration and Production	Dr. Su Su Wang	Composites Engineering and Applications Center
2007	Evaluation and Testing of Emission Control Devices for Diesel Exhaust Abatement	Dr. Michael Harold	Chemical Engineering
2007	Improvement of Sweep Efficiency in GasFlooding	Dr. Kishore K. Mohanty	Chemical Engineering
2007	Collaborative Research: Investigation of Syncollisional Extension and Basin Development in the High Himalaya	Dr. Michael Murphy	Geosciences
2007	Master Research Services Agreement	Dr. K. Bissada	Geosciences
2007	Investigation of the Effects of Changing Climate on Fires and the Consequences for the US Air Quality Using a Hierarchy of Chemistry and Climate Models	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2007	Individual and Environmental Mechanisms of PA Change	Dr. Rebecca Lee	Health and Human Performance
2007	Disposition of Flavanoids Via Enteric Recycling	Dr. Ming Hu	Pharmacological and Pharmaceutical Sciences
2007	Assessment of the Impact of Biomass Burning in Mexico and Central America on Texas Air Quality (MexCamTex)	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2007	Interactions in Understanding the Universe (I2U2)	Dr. John W. Wilson	Physics
2007	Quantitative Sedimentology Research Consortium	Dr. Janok Bhattacharya	Geosciences
2007	Solar Occultation Flux (SOF) Measurements in the Houston Ship Channel	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2007	Analysis of the Radiation Environment on the ISS	Dr. Lawrence S. Pinsky	Physics
2007	Preparing Chemical Engineers for the Energy Challenge of the 21st Century	Dr. Vincent Donnelly	Chemical Engineering
2007	Collaborative Research: Radical Chemistry Over Sunlit Snow at Summit, Greenland	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2007	Active Nanocomposites: Energy Harvesting and Stress Generation Media For Future Multifunctional Aerospace Structures	Dr. Ramanan Krishnamoorti	Chemical Engineering
2007	The Impact of Aerosols, Clouds and Ozone	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2007	LTER-GCEII: Georgia Land/Ocean Margin Ecosystem	Dr. Steve Pennings	Biology/Biochemistry
2007	Characterization of Eastern Texas Air Quality	Dr. Barry Lefer	Geosciences
2007	Collaborative Research: Development of Multifunctional Nanocomposites with Engineered Carbon Nanopaper	Dr. Gangbing Song	Mechanical Engineering
2007	Develop an Interdisciplinary Course 'Introduction to Smart Space Structures (ISSS)' at University of Houston (Task Order F)	Dr. Gangbing Song	Mechanical Engineering
2007	Subdivision of Watersheds for Modeling	Dr. Theodore G. Cleveland	Civil Engineering
2007	Gulf Star Grid - Houston Network of Environmental Towers (H-NET)	Dr. S. Lennart Johnsson	Texas Learning/Computation Center
2007	Waste Reduction from Membrane Facilities by Quantifying Fouling Caused by Bacteria and Inorganic Salts	Dr. Shankar Chellam	Civil Engineering
2007	Infrastructure Funding Study	Dr. Martin V. Melosi	History
2007	Designing Domesticity: Industrial Design for Modern Living, 1930 - 1960	Mr. Stephen James	Architecture
2007	Reactive Air Sparging for Simultaneous Removal of MTBE and TBA in Ground Water	Dr. William G. Rixey	Civil Engineering
2007	Global Change and Air Pollution: Phase 2 Implications	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2007	Operations of the Minerals Management Service's Radar Wind Profiler/RASS at the HCC	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2007	Measurement and Modeling Studies of Boundary Layer Processes in Coastal and Urban Environments to Improve Meteorological Simulations for Air Quality Assessment	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2007	A Quality Assurance Program for Texas Wine	Dr. Glenn D. Cordua	Hotel and Restaurant Management
2007	Development of a Long Term 5, 10, and 20 Year Approach to Building the Texas Wine 'Brand'	Dr. Glenn D. Cordua	Hotel and Restaurant Management
2007	General Market Research Program to Help Position the Texas Wine Industry	Dr. Glenn D. Cordua	Hotel and Restaurant Management
2007	Tropospheric Ozone Pollution (TOPP): Investigating Air Quality Through Additional Ozonesonde Launches in Houston, Beaumont and East Texas	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2007	Fabricated Plate Tolerances and Design Slenderness Values for Steel Bridges	Dr. Reagan Herman	Civil Engineering
2007	Lean-On Bracing for Steel Bridges	Dr. Reagan Herman	Civil Engineering
2007	Effects of Thermal Loads on Texas Steel Bridges	Dr. Reagan Herman	Civil Engineering
2007	Dioxin in the Houston Ship Channel System - WO #8	Dr. Hanadi Rifai	Civil Engineering
2007	Modeling of the Dispersion of PM Related Pollutants from Two POSCO Plants with CMAQ	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies

2007	VOC Canister Sampling Program In Support to ENVIRON Int. Corp.	Dr. Bernhard Rappenglueck	Geosciences
2007	Southwest Center for Occupational and Environmental Health	Dr. Lawrence J. H. Schulze	Industrial Engineering
2007	New Approaches to More Effective Photosensitizers for TiO ₂ -Based Solar Cells	Dr. Randolph P. Thummel	Chemistry
2007	Assessment & Development of Renewable Groundwater Resources in the Quetta Valley, Pakistan	Dr. Shuhab Khan	Geosciences
2007	Quantitative Sedimentology Research Consortium	Dr. Janok Bhattacharya	Geosciences
2007	Fluid & Rock Properties and Seismic Hydrocarbon Indicators	Dr. De-Hua Han	Geosciences
2007	Application of the Emissions Inventory Preparation System with the CAPSS and Estimation of Biogenic Emissions	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2007	Source Apportionments of Air Pollutant Emissions Sources	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2007	Collaborative Research: Controls on Sediment Yields from Tidewater Glaciers from Patagonia to Antarctica	Dr. Julia Wellner	Geosciences
2007	Galveston Bay Estuary Program	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2007	Future Texas: Scenarios to Guide Transportation Decision Making	Dr. Peter Bishop	Human Development and Consumer Science
2007	Constructing, Maintaining, Monitoring and Repairing of City of Houston Small Diameter Water Pipelines	Dr. Kumaraswamy Vipulanandan	Center for Innovative Grouting Materials and Tech
2007	Floodwise Study Block B: Evaluation of Change From Natural to Urban Conditions	Dr. Theodore G. Cleveland	Civil Engineering
2007	Multi-resolution Simulation and Analysis of TexAQSI Air Pollution Events	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2007	Improved Modeling Inputs: Land Use and Sea-Surface Temperature	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2007	TRAMP Data Analysis and Radical Chemistry Study	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2007	Geotechnical Properties of Various Soils for Pavement and Other Applications	Dr. Kumaraswamy Vipulanandan	Center for Innovative Grouting Materials and Tech
2007	Center for Technology Literacy: An Upward Mobility Strategy for Economic Growth	Dr. Enrique Barbieri	Center for Technology Literacy
2007	MIMO Air Handling Control Using LPV Methods	Dr. Karolos M. Grigoriadis	Mechanical Engineering
2007	Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2007	Understanding Public Health Laws - A Workshop for Judges, Public Health Authorities and Local Government Counsel	Dr. Patricia Gray	Law
2007	Development of Expertise in Land and Marine Exploration Geophysics	Dr. Hua-Wei Zhou	Geosciences
2008	ITR: Virtual Grid Application Development Software (vGrADS)	Dr. S. Lennart Johnsson	Texas Learning/Computation Center
2008	Master Research Services Agreement	Dr. K. Bissada	Geosciences
2008	Application of Cutting-Edge 3-D Seismic Attribute Technology to the Assessment of Geological Reservoirs for CO ₂ Sequestration	Dr. Christopher Liner	Center for Applied Geoscience Excellence
2008	Analysis of the Radiation Environment on the ISS	Dr. Lawrence S. Pinsky	Physics
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2008	Active Nanocomposites: Energy Harvesting and Stress Generation Media For Future Multifunctional Aerospace Structures	Dr. Ramanan Krishnamoorti	Chemical Engineering
2008	LTER-GCEII: Georgia Land/Ocean Margin Ecosystem	Dr. Steve Pennings	Biology/Biochemistry
2008	Lunar Solar Cell Research Under the Nano EnerTex Membership Agreement	Dr. Andenet Alemu	Center for Advanced Materials
2008	Global Change and Air Pollution: Phase 2 Implications	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2008	REU Site - Undergraduate Research Experience in Civil Infrastructure Engineering	Dr. Yi-Lung Mo	Civil Engineering
2008	Collaborative Research: Relativistic Particle Precipitation and Upper Atmospheric Effects	Dr. Edgar A. Bering	Physics
2008	Modeling of SAR and Radiation Efficiency for Wireless Antenna	Dr. Ji Chen	Electrical Engineering
2008	Assessment & Development of Renewable Groundwater Resources in the Quetta Valley, Pakistan	Dr. Shuhab Khan	Geosciences
2008	Development and In-Grid Demonstration of a Transmission Voltage SuperLimiter™ Fault Current Limiter	Dr. Allan J. Jacobson	TcSUH
2008	A Systems Approach to Ultra-Clean and Ultra-Efficient Internal Combustion Engines	Dr. Matthew Franchek	Mechanical Engineering
2008	Energy Conversion and Power Generation in New Non-Pb Based Piezoelectric Oxide Materials: Synthesis, Characterization and Structure-Property Relationships	Dr. Shiv Halasyamani	Chemistry
2008	Integrate Seismic Evaluation of a Gas Reservoir with Seismic Rock Physical Model	Dr. De-Hua Han	Geosciences
2008	Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach - Marine and Quaternary Geosciences	Dr. Julia Wellner	Geosciences
2008	Collaborative Research: An Interactive Undergraduate Data Mining Course with Industrial-Strength Projects	Dr. Rakesh M. Verma	Computer Science
2008	Urban Hispanic Perception of Environment and Activity Among Kids (UH-PEAK)	Dr. Norma Olvera	Health and Human Performance
2008	Waste Reduction from Membrane Facilities by Quantifying Fouling Caused by Bacteria and Inorganic Salts	Dr. Shankar Chellam	Civil Engineering

2008	REU Site - Undergraduate Research Experience in Civil Infrastructure Engineering	Dr. Yi-Lung Mo	Civil Engineering
2008	Collaborative Research: The Sedimentary Record of Tidewater Glacier Response To Holocene Climate Variability in the Antarctic Peninsula	Dr. Julia Wellner	Geosciences
2008	Reactive Air Sparging for Simultaneous Removal of MTBE and TBA in Ground Water	Dr. William G. Rixey	Civil Engineering
2008	The Impact of Ethanol Fuels on Ground Water: Quantifying Source Generation and Microbial Impacts for Various Ethanol Blends	Dr. William G. Rixey	Civil Engineering
2008	Metals Analysis for Tracking Particulate Matter from Mobile Sources and Petroleum Refining in Houston	Dr. Shankar Chellam	Civil Engineering
2008	Continuation-Studies of Boundary Layer Process in Coastal and Urban Environments to Improve Meteorological Simulations for Air Quality Assessments	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2008	Watersheds for the Future: Houston 2035	Dr. Hanadi Rifai	Civil Engineering
2008	Step-Forward: Preparing Low-Income High School Students for Academic Success in Electrical and Computer Engineering at the University of Houston (Phase II)	Dr. Frank Claydon	Dean, Engineering
2008	Houston TranStar Human Interoperability Climate Review and Assessment	Dr. L. Alan Witt	Psychology
2008	Subdivision of Watersheds for Modeling	Dr. Theodore G. Cleveland	Civil Engineering
2008	Nano-Particle Research for Chemical Enhanced Oil Recovery	Dr. Ramanan Krishnamoorti	Chemical Engineering
2008	Advanced Measurement of OptiSolar Panel in Wind Tunnel Testing	Dr. Gangbing Song	Mechanical Engineering
2008	Molecular Analysis of Environmental Sensor in Bacteria	Dr. Masaya Fujita	Biology/Biochemistry
2008	Video-Based Surveillance in Distributed Environments	Dr. Ioannis Kakadiaris	Texas Learning/Computation Center
2008	Employee Development and Training at Saudi Aramco: Identifying Opportunities to Accelerate Development of National Engineers	Dr. Christiane Spitzmueller	Psychology
2008	Wireless Power and Data Transfer Inside of a Well Pipe	Dr. Ji Chen	Electrical Engineering
2008	Economic Globalization and Mass Politics in Advanced Industrial Democracies	Dr. Timothy Hellwig	Political Science
2008	Source Apportionments of Air Pollutant Emissions Sources (II)	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2008	Preferred Paths for Commercializing Pyrolysis Oil at Conventional Refineries	Mr. Stephen Arbogast	Finance
2008	Improvement of MM5 Urban Surface Characteristics and Training	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2008	High Resolution Atmospheric Chemistry Model Data for the 2006 Second Texas Air Quality Study Period	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2008	Well Logging Consortium	Dr. Ce Liu	Electrical Engineering
2008	High Efficiency Cascade Solar Cells	Dr. Seamus Curran	Physics
2008	Modeling of Secondary Organic Aerosol in Houston in Summer	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2008	Data Transfer of Tex AQS II Air Quality Model Output	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2008	Air Quality Modeling of TexAQS-II Episodes with Data Assimilation	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2008	NUE: New Vision for Built Environment- Integration of Nanotechnology into Civil Engineering Undergraduate Curriculum	Dr. Yi-Lung Mo	Civil Engineering
2008	FunBio: Testing the Effect of Environmental Fluctuation on the Evolution of Modularity	Dr. Tim Cooper	Biology/Biochemistry
2008	An Advanced Database Resource for Ambient Atmospheric Data	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2008	Innovative Research of Active Materials for Oil and Gas Exploration	Dr. Gangbing Song	Mechanical Engineering
2008	Continued Ozonesonde Observations During Summer 2008, Spring 2009, and Summer 2009 for Houston, Texas	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2008	Analysis of Solar Occultation Flux Data	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2008	Employee Development and Training at Saudi Aramco: Identifying Opportunities to Accelerate Development of National Engineers	Dr. Christiane Spitzmueller	Psychology
2008	Wind Energy Appropriation	Ms. Selestia Hodge	Research Financial Services
2009	Evaluation and Testing of Emission Control Devices for Diesel Exhaust Abatement	Dr. Michael Harold	Chemical Engineering
2009	A Reliable Low Cost Power Electronics Interface for Renewable Energy Systems Using a Single DSP Controller	Dr. Wajiha Shireen	Engineering Technology
2009	Application of Cutting-Edge 3-D Seismic Attribute Technology to the Assessment of Geological Reservoirs for CO2 Sequestration	Dr. Christopher Liner	Center for Applied Geoscience Excellence
2009	Automated Identification and Characterization of Landforms on Mars	Dr. Ricardo Vilalta	Computer Science
2009	Active Nanocomposites: Energy Harvesting and Stress Generation Media For Future Multifunctional Aerospace Structures	Dr. Ramanan Krishnamoorti	Chemical Engineering
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2009	Improving Quality of Life Among Low Literate Asian American Breast Cancer Survivors	Dr. Jenny K. Yi	Health and Human Performance
2009	New Approaches to More Effective Photosensitizers for TiO2-Based Solar Cells	Dr. Randolph P. Thummel	Chemistry

2009	Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach - Marine and Quaternary Geosciences	Dr. Julia Wellner	Geosciences
2009	Multi-Purpose, Multi-Scale Storm Surge and Flood Forecasting For Planning and Preparedness	Dr. Gino Lim	Industrial Engineering
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2009	Watersheds for the Future: Houston 2035	Dr. Hanadi Rifai	Civil Engineering
2009	Water Extraction from Lunar Polar Ice/Regolith by Microwave Heating	Dr. Alex Ignatiev	Center for Advanced Materials
2009	Automatic Geomorphic Mapping and Analysis of Land Surfaces Using Pattern Recognition	Dr. Ricardo Vilalta	Computer Science
2009	Well Logging Consortium	Dr. Ce Liu	Electrical Engineering
2009	Modeling of Secondary Organic Aerosol in Houston in Summer	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2009	Air Quality Modeling of TexAQS-II Episodes with Data Assimilation	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2009	Individual & Environmental Mechanisms of PA Change	Dr. Rebecca Lee	Health and Human Performance
2009	Innovative Research of Active Materials for Oil and Gas Exploration	Dr. Gangbing Song	Mechanical Engineering
2009	Investigation of Combined Effects of Gaseous and Heterogeneous Iodine and Other Halogen Effects on Ozone Concentrations in the Coastal Environment	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2009	Test of Hf Isotope Heterogeneity in the Early Solar System.	Dr. Thomas Lapen	Geosciences
2009	Reactive Air Sparging for Simultaneous Removal of MTBE and TBA in Ground Water	Dr. William G. Rixey	Civil Engineering
2009	Erosion of Muddy Sediments in the Houston Ship Channel Due to Turbulent Flow: Implications for Transport of Pollutants Attached to Fine Muddy Sediments	Dr. Kyle Strom	Civil Engineering
2009	Investigate Physical Processes in Global Climate Models Using Atmospheric Infrared Sounder	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2009	Control and Investigation of Microbes in the Space Environment	Dr. James M. Briggs	Biology/Biochemistry
2009	Environmental Cost-Benefit Analysis of Ultra Low Sulfur Jet Fuels	Dr. Daewon Byun	Institute for Multidimensional Air Quality Studies
2009	Chemistry and Sources of Radicals and their Precursors in Houston (H104C)	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2009	Study of Houston Atmospheric Radical Precursors (SHARP)	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2009	Impact Processes in the Origin and Evolution of the Moon: New Sample-driven Perspectives	Dr. Thomas Lapen	Geosciences
2009	Impact Processes in the Origin and Evolution of the Moon: New Sample-driven Perspectives	Dr. Jonathan Snow	Geosciences
2009	Justification for Additional Labor Cost to Build and Deliver Two Testing Equipment for OptiSolar	Dr. Gangbing Song	Mechanical Engineering
2009	Pathways to the Food Industry	Dr. John Bowen	Hotel and Restaurant Management
2009	Food Product Consumer Survey	Dr. Stowe Shoemaker	Hotel and Restaurant Management
2009	Developing Geoscience Training Content through Job Analysis	Dr. Christiane Spitzmueller	Psychology
2009	Maintenance of Transportation and Storm Sewer Facilities Using New Repair Materials	Dr. Kumaraswamy Vipulanandan	Center for Innovative Grouting Materials and Tech
2009	Long Read Next Generation Sequencing Technology Development	Dr. Xiaolian Gao	Biology/Biochemistry
2009	Houston Ozonesonde Observations and Data Analysis During 2009	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2009	Fort Bend Ozone Monitor Operations, Sugarland Campus	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2009	Hurricane Ike: Lessons Learned and Steps for the Future Critical Infrastructure Sustainability and Resilience	Dr. Hanadi Rifai	Civil Engineering
2009	Comparison Between Atmospheric Chemistry Model and Observations for the Second Texas Air Quality Study Period	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2009	Doctoral Education and Training in Wind Energy at National Wind Energy Center, University of Houston	Dr. Su Su Wang	National Wind Energy Center
2009	Analysis of Airborne Data Collected During 2006 to Characterize HCHO Emissions and Sources in the Houston Area	Dr. Max Shauck	Institute for Multidimensional Air Quality Studies
2009	Airborne Measurements to Investigate Radical Sources in the Houston Area	Dr. Max Shauck	Institute for Multidimensional Air Quality Studies
2009	Accurate Air Pollutant Source Attribution by Improving Mass Consistency/Conservation in Air Quality Modeling	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2009	Materials and Process Development for Oxygen Transport	Dr. Allan J. Jacobson	TcSUH
2010	LTER-GCEII: Georgia Land/Ocean Margin Ecosystem	Dr. Steve Pennings	Biology/Biochemistry
2010	Integrating Seismic Constraints on Continental Upper Mantle	Dr. Aibing Li	Geosciences
2010	Collaborative Research: Relativistic Particle Precipitation and Upper Atmospheric Effects	Dr. Edgar A. Bering	Physics
2010	Collaborative Research: The Growth of the Tibetan Plateau-A Seismic Investigation of the Qilian Shan and Surrounding Tectonic Blocks	Dr. Aibing Li	Geosciences
2010	Preferred Paths for Commercializing Pyrolysis Oil at Conventional Refineries	Mr. Stephen Arbogast	Finance

2010	Well Logging Consortium	Dr. Ce Liu	Electrical Engineering
2010	Innovative Research of Active Materials for Oil and Gas Exploration	Dr. Gangbing Song	Mechanical Engineering
2010	The Equatorial Region of Saturn: A Multi-Instrument Study	Dr. Liming Li	Institute for Multidimensional Air Quality Studies
2010	Impact Processes in the Origin and Evolution of the Moon: New Sample-driven Perspectives	Dr. Thomas Lapen	Geosciences
2010	Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions	Dr. Karolos M. Grigoriadis	Mechanical Engineering
2010	Energy Balance of Saturn and Jupiter	Dr. Liming Li	Institute for Multidimensional Air Quality Studies
2010	ARRA - Energy Capitals: Local Impact, Global Influence	Dr. Martin V. Melosi	Center for Public History
2010	Erosion of Muddy Sediments in the Houston Ship Channel Due to Turbulent Flow: Implications for Transport of Pollutants Attached to Fine Muddy Sediments	Dr. Kyle Strom	Civil Engineering
2010	Steel Fiber Replacement of Mild Steel in Prestressed Concrete Beams	Dr. Yi-Lung Mo	Civil Engineering
2010	Center for Clean Fuels and Power Generation	Dr. Michael Harold	Chemical Engineering
2010	Accurate Air Pollutant Source Attribution by Improving Mass Consistency/Conservation in Air Quality Modeling - Continuation	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2010	Investigate Physical Processes in Global Climate Models Using Atmospheric Infrared Sounder (AIRS) Composition Retrievals	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2010	Shell - UH Masters Degree in Well Engineering and Masters Degree in Well Completions	Dr. Ramanan Krishnamoorti	Chemical Engineering
2010	REU Site: Innovations in Technology at the University of Houston	Dr. Frank Claydon	Electrical Engineering
2010	Establishment of a National Wind Energy Center (NWEC)	Dr. Su Su Wang	National Wind Energy Center
2010	Multi-Functional Nanosensors Based on AAO Nano-Channels for Oil and Gas Exploration	Dr. Jiming Bao	Electrical Engineering
2010	Contract with Southwestern Energy Company: Microseismic Fracture Monitoring Project	Dr. Evgeni Chesnokov	Geosciences
2010	HGB O3 Sonde Launches 2010-08 and Verticle Ozone Profiled in Eastern Texas 2010-10	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2010	Ozone and Carbon Monoxide Monitor Operation, University of Houston Sites	Dr. Barry Lefer	Institute for Multidimensional Air Quality Studies
2010	Improving the Characterization of Pollution Transported into Texas	Dr. Xun Jiang	Institute for Multidimensional Air Quality Studies
2010	University of Houston Moody Tower 2010 Ozone Formation Research Monitoring	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies
2010	Maintenance of Transportation and Storm Sewer Facilities Using New Repair Materials	Dr. Kumaraswamy Vipulanandan	Center for Innovative Grouting Materials and Tech
2010	University of Houston Study of Houston Atmospheric Radical Precursors (SHARP) Data Analysis	Dr. Bernhard Rappenglueck	Institute for Multidimensional Air Quality Studies