

TEXAS' *CHANGING* Economic *CLIMATE*

Risks and Opportunities in a Carbon Constrained World

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January 29, 2009
Texas State Capitol Extension
Austin, Texas



British Consulate-General
Houston

e

ENVIRONMENTAL DEFENSE FUND

finding the ways that work



AGENDA

8:00am

Registration and Breakfast

8:30-8:40am

Welcome Address

Jim Marston, Director of Texas Office, Environmental Defense

8:40-9:00a

Exclusive Video Address

His Royal Highness, The Prince of Wales

9:00-9:30a

Keynote Speaker

Paul Lynch, HM Consul General
British Consulate General - Houston

9:30-10:15a

Climate Change: Physical Impacts

Dr. Gerald North, Distinguished Professor
Department of Atmospheric Sciences, Texas A&M University

Dr. John Anderson, Professor of Geology and Geophysics
Department of Earth Science, Rice University

10:15-10:35a

Break

10:35-11:35a

Costs of Inaction: Global Economic Impacts of Climate Change

Using the Economic Toolkit to Estimate the Impact of Climate Change

Dr. Dimitri Zenghelis, Senior Author, Stern Review &
Chief Economist, Cisco Climate Change Practice

The Challenge of Rising Greenhouse Gas Emissions: Implications and Mitigation Opportunities

Scott S. Nyquist, Director
McKinsey & Company

Global Climate Change and Natural Disasters in Texas

Dr. Gordon Wells, Program Manager
Center for Space Research, University of Texas at Austin

11:35-12:35p

Costs of Inaction: Regional Economic Impacts of Climate Change

Costs and Benefits of Energy Efficiency Investments in Texas Commercial and Residential Buildings, Power Plants, and Vehicles

Dr. Jamie Fine & Chris Mihm, Economist and Policy Scientist
Environmental Defense Fund

Impact of Relative Sea Level Rise for Galveston Bay

Prof. David Yoskowitz, Associate Professor
Harte Research Institute and College of Business, Texas A&M University

Dr. Eric Biltonen, Economist
Houston Advanced Research Center



12:35-1:30p

Lunch

1:30-2:15p

Benefits of Early Action

Comprehensive Federal Climate Change Legislation, Stimulus Bills, and Implications for Early Action on Climate Change

Prof. Victor Flatt, Chair of Environmental Law

Centre for Environment, Energy and Natural Resources, University of Houston Law Center

Eric Nelson, Vice President - Risk Management
Travelers Insurance

2:15-3:15p

Opportunities in Competitiveness

Energy Efficiency and Clean Energy Innovation

David Vincent, Director of Projects

Carbon Trust

Dr. Mattia Romani, Senior Economist
Stern Review & Royal Dutch Shell

CO2 in Texas: Turning A Waste Stream into a Profit Stream

Dr. Ian Duncan, Associate Director

Earth and Environmental Systems, Bureau of Economic Geology, University of Texas at Austin

3:15-3:35p

Break

3:35-4:25p

Innovation and Economic Development

Joel Serface, Entrepreneur in Residence
Kleiner Perkins Caufield and Byers

The Clean Energy Capital of the World

Jose Beceiro, Director of Clean Energy

Austin Chamber of Commerce

4:25-5:15p

Panel: Policy Frameworks

Senator Rodney Ellis

Senator Troy Fraser

Senator Kel Seliger

Senator Kirk Watson

Texas State Senate

5:15-5:30p

Closing Comments

6:00-7:30pm

Reception at the Driskill Hotel



PRESENTERS

**Her Majesty's Consul General
Mr. Paul Lynch**
British Consulate General-Houston



Paul Lynch joined the British Consulate-General in Houston as HM Consul-General in August 2007. His territory covers Texas, Louisiana, New Mexico, Oklahoma, Arkansas and Colorado.

Prior to his arrival, HM Consul General Lynch served as HM Consul General & Commercial Consul in Osaka (2005-2007); as a Commercial Consul in Osaka (2002-2005); as the First Secretary-Commercial (2001-2002) at The British Embassy in Tokyo; and as First Secretary-Science & Technology at The British Embassy, Tokyo (1996-2000).

Paul has also served in The Cabinet Office (1994-1996) as Private Secretary to the Parliamentary Secretary where he was responsible for Public Services and Science & Technology Policy. At The Home Office (1991-1994), Paul worked on Prisoners' Rights, the Police and Race Relations, and the Government response to the Royal Commission on Criminal Justice, including steering through the Criminal Justice Act 1994.

In 1988, Paul worked on the Monbusho JET programme with the Kawaguchi City Board of Education, in Saitama Prefecture, Japan. Paul received his BSc (Hons) in Psychology from Hatfield Polytechnic and a MSc in Social Psychology from the London School of Economics.

James D. Marston
Environmental Defense Fund
Senior Attorney
Director of the Texas Regional Office
Director of State Climate Initiatives



Jim Marston is the founding director of the Texas office of Environmental Defense Fund, located in Austin, where he has served since its beginning in 1988. The office includes scientists, attorneys, economists, and policy analysts who address some of the most complex and difficult environmental issues related to climate and air, water, wildlife, oceans, and environmental health. Jim leads Environmental Defense Fund's efforts on environmental policy in Texas, setting program and policy agenda on issues including air pollution, water quality, and energy. He recently led the successful fight to stop TXU from building a dozen coal plants in Texas and other states, and ultimately negotiated a first-of-its-kind deal with private equity buyers involving more than a dozen commitments on global warming.

Jim also holds the position of state climate initiatives director, working in states from the west coast to New England to Florida that are initiating legislation and regulation to reduce the emission of global warming gases. He has worked closely with policymakers in California on the passage of AB32, the first state legislation with a cap on statewide emissions of greenhouse gases.

Currently, Jim is president of the Texas League of Conservation Voters, president of the board of directors of the Texas Observer, and chairman of the Central Texas Clean Air Force. He serves on the board of the Texas Environmental Research Consortium and on the TXU Sustainable Energy Advisory Board. He is former chair of the U.S. Good Neighbor Environmental Board, Presidential Advisory Committee, former president of Texas Citizens Action, and former vice-chairman of the Texas Ethics Commission. He has served on the boards of Texas Watch, Texas Rural Legal Aid, Green-e, and numerous other advisory boards for the State of Texas, the City of Austin, electric utilities, and a university.



PRESENTERS (Cont)

Gerald North
Distinguished Professor
Department of Atmospheric
Sciences
Texas A&M University



Gerald North is Distinguished Professor and Holder of the Harold J. Haynes Endowed Chair in Geosciences at Texas A&M University, and previous Head of the Department of Atmospheric Sciences. His interests include climate change using simplified climate models. North was born in Sweetwater, Tennessee to Sanford and Marjorie Hill North. He grew up in nearby Knoxville and received his Bachelor's Degree in physics from the University of Tennessee. In 1966, he earned a Ph.D. in Physics from the University of Wisconsin-Madison. After a two year post-doc at the University of Pennsylvania, he obtained a tenure track position at the University of Missouri-St. Louis leading to full professor. He spent 1974-75 as a Senior Visiting Scientist at the National Center for Atmospheric Research. He moved to NASA Goddard Space Flight Center in 1978 where he was the initial proposer and first Study Scientist for the Tropical Rainfall Measuring Mission. He joined Texas A & M University in 1986. He is the 2008 recipient of the Jule Charney Award of the American Meteorological Society. He currently lives in in Bryan, Texas with his wife Laura.

John Anderson
Professor of Geology and
Geophysics
Department of Earth Science,
Rice University



John Anderson received his B.S degree in 1968 from the University of South Alabama, his M.S. degree in 1970 from the University of New Mexico, and his PhD in 1972 from Florida State University. He began his professional career at Hope College in 1972, where he was an assistant professor. In 1975, John joined the faculty at Rice University, where he is now a Professor of Geology and Geophysics. He served as chairman of the department from 1992 through 1998.

John has conducted research on various aspects of Antarctic marine geology since his first visit there as a student in 1970. He has participated in 21 scientific expeditions to Antarctica. The culmination of this research was recently published a book "Antarctic Marine Geology" by Cambridge University Press. Anderson's other research has focused on the Quaternary Evolution of the northern Gulf of Mexico Basin and on using this superb natural laboratory to improve our understanding of depositional systems and sequence stratigraphy. He has authored and co-authored 140 refereed publications and edited volumes on glacial marine sedimentation and on the paleoclimatic significance of glacial marine sediments.

John received the 1992 GCAGS Outstanding Educator Award and the 1996 Rice University Graduate Teaching Award. He has received three Best Poster Session Awards, two from AAPG and one from GCAGS. He has served as associate editor for Geology, AGU-Antarctic Research Series, AAPG, Sedimentology, and Marine Geology and is a member of AGU, GSA (Fellow), AAPG, and SEPM. He has served on the AAS-Polar Research Board and on the 1997 NSF Oversight Panel for Polar Programs. His service to SEPM (Society for Sedimentary Research) includes two tours and co-chairman of the annual AAPG/SEPM meeting, as a member of several committees, leader of several field trips, and as Councilor for Research. He currently is President of SEPM and was the 2003 Haas-Pratt Distinguished Lecturer for the American Association of Petroleum Ecologists.

Scott S. Nyquist
Director
McKinsey & Company



Scott Nyquist is a Director in McKinsey & Company's Houston Office and a leader in McKinsey's Energy Practice. He joined McKinsey in 1984 and worked in McKinsey's London Office between 1985 and 1998. Scott transferred from London to Houston in January 1998. He has led McKinsey's European Petroleum, Americas Petroleum, and Texas Energy Practices. He now co-leads McKinsey's global Energy and Materials Sector and is a leader in McKinsey's Climate Change Special Initiative.

Scott has extensive experience in helping private and public sector energy and materials clients develop and implement strategies and major change programs that significantly improve their performance.

Before joining McKinsey, Scott worked for Exxon Production Research in Houston, Texas, where he was involved in offshore oil platform design.

Scott graduated from the University of Michigan with a B.S. in Chemical Engineering and obtained an M.B.A. from the Harvard Business School.



PRESENTERS (Cont)

Dimitri Zenghelis
Senior Author, Stern Review &
Chief Economist, Cisco Climate
Change Practice



Dimitri Zenghelis is a UK government economic adviser who has spent the last year working with Sir Nicholas Stern on the Stern Review on Economics of Climate Change, commissioned by Chancellor Gordon Brown. The Review was intended not just to inform UK policy-making UK makes up only 2% of global greenhouse gas emissions but to underpin discussions about the wider international policy framework. Sir Nicholas Stern's report was submitted to the Chancellor and the Prime Minister on 30 October 2006. Dimitri Zenghelis was lead author on the costs of mitigation, model analyses and comparisons, competitiveness impacts, and a significant contributor to the conceptual, theoretical and ethical framework adopted in analysing the economics of climate change. He is also the joint-lead in disseminating and presenting the Review post-publication.

Since joining HM Treasury in 1999 Dimitri has provided economic analysis and advice for the UK Government on European and international economic policy, as head of the EMU Analysis Branch and head of Economic Forecasting. He has been responsible for the internal and published Government macroeconomic forecast using the HM Treasury model and provided regular briefings to the Chancellor Gordon Brown and Prime Minister Tony Blair.

Prior to joining HM Treasury Dimitri has worked as a consultant with Oxford Economic Forecasting, and at the Institute of International Finance, Washington DC on East Asian and S.E. Asia trade and investment flows, and macro economic policy. He also worked for Tokai Bank Europe, London. In the early 1990s Dimitri was a Senior Economic Advisor for the Liberal Democrats, House of Commons, London. His university education was at Bristol University and St Hugh's College Oxford.

Gordon Wells
Program Manager
Center for Space Research
University of Texas at Austin



Dr. Gordon Wells serves as the Program Manager for the Mid-American Geospatial Information Center located at the University of Texas at Austin Center for Space Research, where he supervises the operation of the dual X-band direct broadcast satellite receiving station. He serves as a member of the Governor's Emergency Management Council, where he and his team support the State's preparedness and response programs for homeland security and natural disasters. His hurricane landfall modeling and simulation results for storm surge and wind impacts are used by the Governor's Division of Emergency Management for public meetings, planning, and training, and during activations of the State Operations Center for decision support during and after landfall. His hurricane landfall simulations have been featured in reports by many media sources, including NBC, ABC, CNN, the BBC and The Weather Channel. The role played by his team in the search-and-rescue activities conducted by Texas Task Force One and other first responder groups in New Orleans following Hurricane Katrina was featured in an episode of the PBS series, "State of Tomorrow." Dr. Wells also conducts research in satellite remote sensing for applications in resource assessment and environmental monitoring and is actively involved in the technical development of the next generation of high-resolution remote sensing instruments. Dr. Wells graduated from the University of Texas at Austin and received his doctorate at Oxford University as a Marshall Scholar.

Dr. Jamie Fine
Economist and Policy Scientist
Environmental Defense Fund



James "Jamie" Fine is an economist and policy scientist working on state-based initiatives to address global warming. His areas of research and advocacy include design and implementation of cap-and-trade and other market-based policy, modeling the economic, air quality, and health risks of policy decisions, and facilitating the meaningful involvement of stakeholders in environmental planning.



PRESENTERS (Cont)

Prof. David W. Yoskowitz, Ph.D.
Associate Professor
Harte Research Institute and
College of Business
Texas A&M University



Dr. Yoskowitz is the HRI Endowed Research Professor for Socio-Economics at the Harte Research Institute for Gulf of Mexico Studies and Professor of Economics in the College of Business, both at Texas A&M University-Corpus Christi. He has conducted extensive work in the area of water markets and allocation mechanisms and is currently leading an effort to inventory and value ecosystem services for the Gulf of Mexico region. Additionally, he is exploring the economic impact of climate change on the coastal zone, specifically in the area of sea level rise and freshwater inflow.

Dr. Eric Biltonen
Economist
Houston Advanced Research
Center



Eric Biltonen is an economist who specializes in resource management with an aim toward achieving sustainable development. He earned a Ph.D. in Agricultural and Resource Economics from Colorado State University. He joined HARC in early 2007 where he now heads the Valuing Nature in Texas Research Program for HARC. His current research areas include natural resources management, especially water, climate change, and sustainable development for Texas.

Prior to his work at HARC, he worked for over 10 years overseas as a consultant on various natural resource development projects, advising the governments of Vietnam, Laos, Cambodia, and others. He worked with Southeast Asian regional governments in conducting feasibility studies, strategic planning, integrated water resource management, project evaluations, and the drafting of laws. His work as a consultant raised his awareness of the many political and practical issues in moving theory and research into practice. He has worked in 18 countries and was based in Vietnam for the better part of 8 years.

Prof. Victor Flatt
Chair of Environmental Law
Centre for Environment, Energy
and Natural Resources
University of Houston Law Center



Professor Victor B. Flatt is the inaugural holder of the A.L. O'Quinn Chair in Environmental Law and Director of the Center for Environment, Energy, and Natural Resources at the University of Houston Law Center, where he has also served as the Associate Dean. He has taught as a Visiting Professor at the University of Washington, Seattle University, the University of Georgia, and in the Fall of 2008, he was the Taft Distinguished Visiting Professor of Environmental Law at the University of North Carolina-Chapel Hill. After graduating from Northwestern University Law School, he clerked for the Honorable Danny J. Boggs on the Sixth Circuit Court of Appeals, was in private practice in Seattle at Hillis Clark Martin & Peterson, and also worked for the Washington State Court of Appeals, Division I.

Professor Flatt has published extensively on issues in environmental law in numerous journals, including the Washington Law Review, University of Notre Dame Law Review, Ecology Law Quarterly, and Northwestern University Law Review Colloquy. Five of his articles have been recognized as finalists or winners in the year's best environmental law review articles. As Director of the EENR Center, he has spearheaded projects on climate change legislation, integration of the US and EU CO2 trading systems, and a regulatory structure for carbon capture and sequestration. This semester, with colleagues at the Global Energy Management Institute at the Bauer College of Business at UH, he began teaching the first class in the country on the practice of carbon trading.



PRESENTERS (Cont)

Eric Nelson
Vice President - Risk Management
Travelers Insurance



Eric M. Nelson is Vice President of Risk Management for Travelers Personal Insurance & Small Business. Travelers is one of the leading providers of Property insurance in the United States; with the #2 market share in Commercial Property and #5 market share in Homeowners. Mr. Nelson oversees product, pricing and underwriting strategy related to natural catastrophes. He is coordinating the Travelers' efforts to develop a public policy solution to the crisis in coastal homeowners' marketplace. Prior to 2005, he was responsible for Auto & Home Product Management in the Northeast. Mr. Nelson holds a Finance degree from Bryant University.

Dr. David Vincent
Director of Projects
Carbon Trust



David Vincent graduated in 1969 from the University of Kent, Canterbury, UK with a 2nd Class Honours Degree in Chemical Physics; and in 1973 with a PhD in low temperature fluorescence spectroscopy of anthracene and related molecular crystals. He is a Member of the Institute of Physics; and an Honorary Fellow of the Chartered Institution of Building Services Engineers.

After a career in Government service focusing on clean energy RD&D and energy/low carbon policy, Dr. Vincent joined the Carbon Trust – which he helped set up in 2000. He was the Technology Director from 2001-07. Since Autumn 2007, in his new role as Director, Projects, his main focus has been to develop the Carbon Trust's international outreach activities. Their aim is to build a portfolio of strategic international engagements with key countries, such as the US, China, India, Canada, Brazil; and with multi-lateral organisations, such as the World Bank, the UN Environment Programme and the World Resources Institute, to help accelerate the move to a low carbon global economy.

Dr. Mattia Romani
Senior Economist
Stern Review
Royal Dutch Shell



Mattia Romani is a Senior Economist in the Stern Team at the Office of Climate Change. He works on a number of analytical issues related to the economics of climate change, with a focus on emission trajectories, cost of mitigation and issues related to competitiveness. He has been seconded to the Stern Team from Royal Dutch Shell. At Shell, as a senior economist, he assisted the Group's Chief Economist on advising the Executive Committee and other Shell senior leaders on economic issues. He was a co-author of the most recent round of global energy scenarios for Shell, focusing on climate change issues and energy modeling, with a particular focus on emerging countries. At Shell he worked on a number of internal projects on key countries, such as China, India, Russia and Nigeria, and on key external engagements with institutions ranging from UNDP to the US Government. He has led a project on strengthening the company's presence in energy markets for poorer households in emerging economies.

Before joining Shell, Dr Romani was an economist with the World Bank in Washington DC, where he worked on microeconomic research in the Research Group (DEC) and on projects related to information sharing and connectivity in the Africa region, in Côte d'Ivoire and Madagascar. He has published in the field of development economics, strategy and energy policy. He obtained his M.Sc. from the London School of Economics and a D.Phil. from St. Antony's College (University of Oxford) where his research focused on the role of innovation in the agricultural commodity markets in Africa. Before that he studied economics at the Scuola S'Anna in Pisa and attended a United World College.



PRESENTERS (Cont)

Dr. Ian Duncan

Associate Director for
Earth and Environmental Systems
Bureau of Economic Geology
University of Texas at Austin



Ian leads the Earth Systems and Environment group at BEG. For the last four years Ian has been working on science and engineering issues associated with subsurface geologic storage of gases, and CO₂ sequestration in brine reservoirs. Ian is interested in subsurface storage of natural gas, compressed air and other gases. Ian has given numerous talks at national conferences on gasification technologies and CO₂ sequestration as well as sequestration as a part of EOR. Ian currently has research interests in: science based regulatory frameworks for CO₂ sequestration; statistical modeling of CO₂ monitoring systems; geomechanical and fluid flow modeling of faults and seals in engineered subsurface gas storage; and risk assessment for subsurface gas storage. Ian is the Co-PI of a \$38 million DOE funded project to study a million ton a year CO₂ injection into the water leg of an EOR project at the Cranfield field, in Mississippi. Ian was the geologic sequestration lead for the FutureGen Texas Team.

Joel Serface

Kleiner Perkins Caufield Byers



Joel Serface joined Kleiner Perkins as an Entrepreneur in Residence in 2008 as part of its partnership with the US Department of Energy and will help the DOE realize the full commercialization potential of its investment into the National Renewable Energy Lab.

Prior to joining KPCB, Joel was the Director of the Austin Clean Energy Incubator where he helped launch 5 renewable energy companies including ActaCell, Accuwater, Atonometrics, SAVE, and an algae biofuels company. In his short time in Austin, Joel also launched the CleanTX Foundation, served as the Chairman of the Austin Clean Energy Council, and was a member of the Governor's Competitiveness Council on Energy.

Joel previously served as a Partner at Eastman Ventures leading its clean technology and nanotech investments and Sierra Ventures where he made its first clean technology investment. Joel started his career in Texas as a Legislative Assistant in the Senate Natural Resources Committee and as a Management Consultant with Ernst & Young where he advised leading utilities, chemical companies, and life science companies. Joel was a Founding Member of Environmental Entrepreneurs.

Joel received his B.S. in Chemical and Environmental Engineering from The University of Texas at Austin and his MBA from the MIT Sloan School of Management where he received the Patrick McGovern Award for Entrepreneurial Leadership for starting the first MIT Venture Capital Conference.

Jose Beceiro

Director of Clean Energy
Austin Chamber of Commerce



Jose Beceiro is the Director of Clean Energy at the Austin Chamber of Commerce. He works closely with the City of Austin, State of Texas, Austin Energy, the Clean Energy Incubator, and local Clean Energy companies and organizations towards the goal of building and sustaining Austin's Clean Energy industry cluster, and helping Austin, TX become the "Clean Energy Capital of the World."

Mr. Beceiro's responsibilities include recruiting and facilitating the process of relocating Clean Energy companies to the 5-county, Austin metro area. Jose travels on out-of-market trips to promote Austin, give presentations, and develop leads in the effort to find the next major Clean Energy relocation to Austin. He organizes, manages, and serves as the primary liaison to the Austin Chamber's Clean Energy Council.



PANELISTS

Senator Rodney Ellis
Texas State Senate



Rodney Ellis was elected to the Texas Senate in 1990. During his tenure, Senator Ellis has earned praise as a legislative leader on economic development, education, civil rights, tax cuts for the middle class, criminal justice, and workforce development issues.

Senator Ellis currently serves on the National Commission on Energy Policy, the University of Texas School of Law Foundation Board, the Council on Foreign Relations, the Alliance for Digital Equality Board of Advisors, chairs the Board of Directors for the Innocence Project, Inc. of New York, and co-chairs the Commission to Engage African Americans on Climate Change.

Before his election to the Texas Senate, Senator Ellis served three terms as a member of the Houston City Council and as chief of staff to the late U.S. Congressman Mickey Leland. He holds a bachelor's degree from Texas Southern University, a master's degree from the Lyndon B. Johnson School of Public Affairs, and a law degree from the University of Texas School of Law. Ellis also studied at Xavier University of New Orleans and the London School of Economics.

Senator Troy Frasier
Texas State Senate



Troy Frasier was elected in 1996 to serve Senate District 24, a 21-county region that is located in the geographic center of Texas.

Senator Frasier is the chairman of the Senate Committee on Business and Commerce, which handles the flow of legislation related to insurance, telecommunications, banking, securities and lending issues, and business licensing and regulation.

Senator Frasier serves as the co-chairman of the Electric Utility Restructuring Legislative Oversight Committee that monitors the state's shift to a deregulated electric industry, the Property and Casualty Legislative Oversight Committee that monitors implementation of insurance reforms approved by the 78th Legislature, and the Telecommunications Competitiveness Legislative Oversight Committee that monitors implementation of competition of telecommunications services.

Senator Frasier also sits on the following standing Senate committees: Finance, State Affairs, and International Relations & Trade.

Senator Kel Seliger
Texas State Senate



Kel Seliger was first sworn in to the Texas Senate on Texas Independence Day, March 2, 2004 after a special election, and was most recently reelected on November 4, 2008 to serve the citizens of District 31 for a second, four-year term. The district spans 26 counties from the Panhandle to the Permian Basin and includes Amarillo, Midland, Odessa and Big Spring.

Senator Seliger currently serves as Vice-Chair of the Senate Criminal Justice Committee and is a member of the Natural Resources, International Relations and Trade, and Administration Committees. He is also a member of the newly created Criminal Justice Legislative Oversight Committee. Lt. Governor David Dewhurst appointed Senator Seliger to The Energy Council, a legislative organization that fosters the development of sound energy and environmental policies.



PANELISTS

Senator Kirk Watson
Texas State Senate



Kirk Watson is a former mayor of Austin and has been described by Texas Monthly Biz magazine as "a man with a vision of what the community wants and the moxie to carry it out." Watson was elected in 2006 to represent most of Travis County in the Texas Senate.

From 1991 to 1993, Watson served as Chair of the Texas Air Control Board, the state agency that was charged with addressing air quality in Texas. He also has served as Chair of both the Greater Austin Chamber of Commerce and the Texas Advisory Board of Environmental Defense, and he has been a member of the Executive Committee of the State Bar of Texas.

Senator Watson graduated from Baylor University and was first in his law school class at Baylor Law School. He has been named an outstanding young alumnus of Baylor, Young Baylor Lawyer of the Year, and the Outstanding Young Lawyer of Texas.

Senator Watson's priorities center on education and higher education, health care, economic development, 21st Century energy generation, environmental protection, transportation, budget transparency, and state employees.



MODERATORS

Dr. May Akrawi
Vice Consul
Science and Innovation
British Consulate-General, Houston



Dr. Akrawi is a British scientist, with a bachelor of science degree in biochemistry and a Ph.D. in molecular biology, both from University College London. Following a postdoctoral fellowship in Barcelona, she worked in London as a scientific research analyst at a U.S. law firm, dealing with product liability litigation for blue chip clients and establishing networks of scientific and medical consultants worldwide.

She then moved to the biotech field, working as a program manager for Pharmaceutical Discovery at a business information company and subsequently joining InVitroTechnologies (Baltimore, Maryland) to head up its first European office in London. Dr. Akrawi joined the British Consulate-General in 2002 to lead the science section, covering the six southwest states, and she has been working on facilitating U.S.-U.K. science and technology collaborations and on climate change and energy policy.

Amy Hardberger
Attorney
Environmental Defense Fund



Amy divides her time between climate and water work in Texas, focusing on policy and legal issues. Her work at Environmental Defense Fund has boosted energy efficiency standards statewide and locally. She helped to increase the renewable portfolio standard, and was on the Texas team responsible for helping to persuade TXU to halt the construction of eight new coal-fired power plants. Previous research includes studying potential carbon sequestration areas using geologic tools, including geomechanical and flow modeling as well as structural maps to identify possible pilot locations that would maximize sequestration and minimally affect water resources. Her work also appears in peer-reviewed publications. Amy earned a J.D. from Texas Tech University, and an M.S. in geology from the University of Texas at San Antonio.

Dr. Michael Webber
Associate Professor
The Webber Group
Jackson School of Geosciences -
UTA



Michael Webber is the Associate Director of the Center for International Energy and Environmental Policy in the Jackson School of Geosciences, Fellow of the Strauss Center for International Security and Law at the LBJ School of Public Affairs, and Assistant Professor of Mechanical Engineering at the University of Texas at Austin, where he trains a new generation of energy leaders through research and education. Prior to joining UT-Austin, Michael studied issues relevant to energy, innovation, and national security at the RAND Corporation. Previously, he was a Senior Scientist at Pranalytica making high-fidelity sensors for homeland security, industrial and environmental monitoring applications. Michael has published more than twenty peer-reviewed scientific articles; been awarded three patents; and given more than 100 lectures, speeches, and invited talks, including briefings for senior decision makers in government and executives in the private sector. Michael's education includes a B.A. with High Honors (Plan II Liberal Arts) and B.S. with High Honors (Aerospace Engineering) from UT-Austin, and an M.S. (Mechanical Engineering) and Ph.D. (Mechanical Engineering, Minor in Electrical Engineering) from Stanford University, where he was a National Science Foundation Fellow from 1995-1998.



SPONSORS

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