

THE UNIVERSITY OF TEXAS AT AUSTIN

LATIN AMERICAN FORUM ON ENERGY & THE ENVIRONMENT

RIO DE JANEIRO, BRAZIL

JULY 9-11, 2006



THE UNIVERSITY OF TEXAS AT AUSTIN

JACKSON

SCHOOL OF GEOSCIENCES





Thank You!

**Local Organizing Committee
in Rio de Janeiro**

Chairman

José Jorge De Moraes, Petrobras

Members

Jorge Camargo, Statoil Brazil

Murilo Marroquim, Devon Energy

Raul Mosmann, ExxonMobil

Marilda Rosado de Sá Ribeiro, ANP

Álvaro Teixeira, IBP

Sponsors

(confirmed at press time)



PETROBRAS





Welcome

Welcome to the 2006 Latin American Forum on Energy and the Environment hosted by The University of Texas at Austin's Jackson School of Geosciences and this year's partner, the Instituto Brasileiro de Petróleo e Gás (IBP).

Our forum was conceived as a way to strengthen relationships between the energy and environmental sectors in Latin America and the United States. After our successful inaugural meeting in Austin, it is fitting that our second meeting takes place in Brazil. This year Brazil reached self-sufficiency in energy, an accomplishment admired by countries around the world and facilitated by a unique combination of geoscience expertise, business acumen, and environmental vision.

The Brazilian success story holds many lessons. One of them relates to another theme of this forum, the potential for partnering with The University of Texas at Austin. I am proud that over the years our university has hosted, educated, and collaborated with scores of leading Brazilian geoscientists. The partnership has been good for business and science—and it has led to some great friendships, for which I am personally grateful. In that spirit, I look forward to new friendships and success stories in the decades to come.



William L. Fisher, Dean
Jackson School of Geosciences
The University of Texas at Austin

Index

Welcome	i
Forum Agenda	1
For More Information	4
Spouse's Program	5
Members & Participants	7
Photos from 2005 Forum	15
UT's Latin American Initiative	18

Jackson School

Leadership

William L. Fisher, Dean
Eric J. Barron, Dean (as of 9/1/2006)
Paul L. Stoffa, Director, Institute
for Geophysics
Scott W. Tinker, Director, Bureau
of Economic Geology
Clark R. Wilson, Chairman, Department
of Geological Sciences

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Agenda

Sunday, July 9

6:00 – 9:00 p.m.

Reception and dinner

Sheraton Hotel and Towers, Trampolin and Carioca Rooms

Welcome and remarks

José Jorge De Moraes, General Manager of New Ventures, Petrobras

9:30 a.m.

**Regulation of E&P Activities:
The Brazilian Experience**

Dr. Newton Monteiro, Director, National Petroleum Agency, Brazil

10:00 a.m.

Break, sponsored by Devon

Monday, July 10

Breakfast (included with hotel room)

All sessions take place at Sheraton Hotel & Towers, Copacabana Room, unless otherwise noted.

8:00 a.m.

Welcome and Introductions

Álvaro Teixeira, Secretary General, Brazilian Institute of Oil & Gas

8:15 a.m.

Overview of the Latin American Forum

William Fisher, Dean, Jackson School of Geosciences

8:30 a.m.

Key Challenges for the Future of E&P

Guilherme de Oliveira Estrella, Managing Director for E&P, Petrobras

9:00 a.m.

**The Deep Water Gulf of Mexico -
Lease Sales, Lessons Learned**

Walter Cruickshank, Deputy Director, Minerals Management Service, Department of Interior, U.S.A.

10:30 a.m.

**Developing Environmental Legislation and
Projects for the Tierra del Fuego Region**

G. González Bonorino, Director, Center for Multidisciplinary Scientific Investigations of Tierra del Fuego and Antarctica (CADIC)

11:00 a.m.

**Thirty-Five Years of Environmental
Regulation in the U.S.: Evaluating the
Impacts on E&P Activities**

Melinda Taylor, Director, Environmental Law Clinic, The University of Texas at Austin

11:30 a.m.

**Brazil—A Global Leader in Renewable
Fuels—Production & Use**

Maria Antoniêta Andrade de Souza, Superintendent of Product Quality, National Petroleum Agency, Brazil

12:00 p.m.

Lunch, sponsored by ExxonMobil

Leme Room

1:30 p.m.

**International E&P Companies'
Relationships With National Regulatory
Agencies—and Best Practices**

Benigna Leiss, Business and Commercial Manager, Chevron Latin America



Agenda, continued

Monday, July 10 continued

2:00 p.m.

E&P Experiences in Latin America

Jorge Marques de Toledo Camargo,
President, Statoil Brazil

2:30 p.m.

E&P Experiences in Brazil

Wagner Peres, Exploration Manager for
Brazil and the Southern Atlantic Basins,
Devon Energy Corporation

3:00 p.m.

Break, sponsored by Devon

3:30 p.m.

**Petrobras Exploration: a Journey of
Knowledge and Technology**

Paulo Mendonça, Executive Manager of
Exploration—Brasil, Petrobras

4:00 p.m.

**Latin American Gas: Progress,
Potholes and Pitfalls**

Michelle Foss, Chief Energy Economist
and Head, Center for Energy Economics,
Jackson School of Geosciences

4:30 p.m.

Summary and Introduction for Tomorrow

William Fisher, Dean, Jackson School of
Geosciences

5:00 p.m.

Adjourned

5:30-9:00 p.m.

Reception and Dinner

Meet in lobby for bus to Marius
Crustaceous restaurant

Welcome and remarks

Álvaro Teixeira, Secretary General,
Brazilian Institute of Oil & Gas

Tuesday, July 11

Breakfast (included with hotel room)

*All sessions take place at Sheraton
Hotel & Towers, Copacabana Room,
unless otherwise noted.*

8:00 a.m.

Latin American Environmental Issues

TBD, Brazilian Institute of Environment
and Natural Resources

8:30 a.m.

**Belize Update: Regulating a Newly
Discovered Resource**

John Briceño, Deputy Prime Minister and
Minister of Natural Resources and the
Environment, Commerce and Industry,
Belize

9:00 a.m.

**Resource Development & Environmental
Integrity: The Quest for Balanced Policies**

Charles Groat, Director, Center for
International Energy and Environmental
Policy, Jackson School of Geosciences

9:30 a.m.

**Unconventional Alternatives to
Conventional Oil and Natural Gas**

Scott Tinker, Director, Bureau of
Economic Geology, Jackson School of
Geosciences

10:00 a.m.

Break



Agenda, continued

Tuesday, July 11 continued

10:30 a.m.

Perspective on the Mexican Energy Scene
Ramón Carlos Torres Flores, General
Director of Energy and Mining, Mexico's
Secretary of the Environment and Natural
Resources (SEMARNAT)

11:00 a.m.

Breakout Sessions
Copacabana and Ipanema Rooms

Energy and Licensing
Facilitators:

Dr. Marilda Rosado
Superintendent for Licensing for National
Petroleum Agency, Brazil

Dr. Scott Tinker
Director, Bureau of Economic Geology
Jackson School of Geosciences

Environmental
Facilitators:

John Forman
Former Director of National Petroleum
Agency, Brazil

Charles Groat
Director, Center for International Energy
and Environmental Policy, Jackson School
of Geosciences

12:00 p.m.

Lunch, sponsored by Statoil
Leme Room

1:30 - 3:30 p.m.

Continue Breakout Sessions

3:30 p.m.

Merge Breakout Sessions

Energy/Licensing Summary and Actions:
Marilda Rosado and Scott Tinker

Environmental Summary and Actions:
John Forman and Charles Groat

4:30 p.m.

Forum Wrap Up and Plans for the Future
William Fisher, Dean, Jackson School of
Geosciences

5:00 p.m.

Adjourned

6:30-9:30 p.m.

**Reception and Dinner, sponsored by
Petrobras**
Carioca Room

For more information after the Forum

Visit the Latin American Forum Web site
<http://www.jsg.utexas.edu/laforum>
(on the Jackson School site)

WHAT STARTS HERE CHANGES THE WORLD
THE UNIVERSITY OF TEXAS AT AUSTIN

JACKSON Latin American Forum
SCHOOL OF GEOSCIENCES On Energy & the Environment

FORUM HOME JSG HOME UT AUSTIN

Latin American Forum

Welcome to the Latin American Forum on Energy & the Environment. If you are a returning member, please complete one of our [surveys](#) on potential topics for the 2006 forum, tentatively planned in Rio. If you would like more information on the forum, please [contact us](#) directly. —*William Fisher, Dean, Jackson School*

Invitation: 2006 Forum in Rio
The 2006 forum is scheduled for July 9-11 in Rio. Members should have received an e-mail invitation—here is a copy.

Member Surveys
Let us know what topics you would like to see covered on [energy](#) and the [environment](#) at future forums.

Wrap-Up of the 2005 Forum
See summaries of the energy and environment breakout sessions and a recap of the inaugural event in Austin.

Update: Next forum is scheduled for July 9-11 in Rio de Janeiro. Detailed information has been sent to members and we are finalizing flight arrangements.

Also See:
[Image Galleries from the 2005 Forum](#)

- Forum Home
- Welcome
- 2006 Activities
- 2005 Forum Wrap-Up
- Members
- Member Surveys
- Image Galleries
- Brochures
- Contact Information

- Downloadable presentations from this year's Forum
- Wrap-up from 2005 and 2006
- List of members
- Information on future events
- News on emerging projects



Spouses Program: Day One

Monday, July 10

Full-Day Tour to Corcovado and Sugar Loaf



We will drive to one of the older parts of Rio called Cosme Velho and take the train to Corcovado Mountain, home to Rio's best-known icon and tourist landmark, the Christ of Corcovado. A modern Swiss-made cogwheel rail climbs the mountain from its base at 15 meters almost to the summit at 710 meters (2,300 ft). The trip takes about 17 minutes going up and 22 minutes going down.

We will have a delicious lunch at Porcão Rio's Barbecue Restaurant



After lunch, we will drive to Praia Vermelha (Red Beach) to take the two-stage car up to the top of Sugar Loaf (270 meters), with its famous views of Rio's harbor and Guanabara Bay. The Italian-made cable car holds 80 passengers, and each of the two stages takes two minutes. The first stage is Morro da Urca, with a restaurant, amphitheatre and helicopter pad. The second stage ends at Sugar Loaf itself, named for its resemblance to the loaves of sugar used by the Portugese at the time of the city's discovery.

Duration: 8 hours

Includes English- and Spanish-speaking guides, all expenses covered.

Spouses Program: Day Two

Tuesday, July 11

Full-Day Tour: Rio's Jardim Botânico (Botanical Garden) + Shopping Tour with Lunch



Rio's Jardim Botânico (botanical garden) is famous for its more than 5,000 species of tropical and subtropical plants and trees, situated in 340 acres of tropical rain forest. The garden was originally created by Dom João VI around 1900 to cultivate the tropical spices Portugal used to import from the East Indies. Today, the huge tropical trees decked with orchids contrast with giant victoria-regia, lilies, bromeliads, royal poincianas and tropical foliage. You can photograph rain forest animals in a natural setting, including monkeys, parrots, and other tropical birds. There is also a sensorial garden, a Japanese garden, and many other special areas to visit.

We will enjoy a delicious lunch at Mio's international restaurant.

Then it's time for shopping in Ipanema, one of the most important retail areas in Rio with an array of sophisticated boutiques.

Includes English- and Spanish-speaking guides, all expenses covered (except for shopping!).



Members & Participants



Sherburne Abbott is director of the Center for Science and Practice of Sustainability at The University of Texas at Austin. She was previously chief international officer at the American Association for the Advancement of Science where she directed the Center for Science, Innovation and Sustainable Development. She has consulted on environmental science and sustainable development for private foundations, the World Bank, the Brookings Institution, and other non-governmental organizations, and worked in a series of leadership positions at the National Academies' National Research Council in sustainability and environmental research.



Rafael Alexandri* is director general for exploration and production of hydrocarbons in the Undersecretariat for Hydrocarbons at the Mexican Ministry of Energy. He is author of the book, "Future of the Petroleum Industry in Mexico," published in 2005. Alexandri worked previously as a consulting geologist to Mexico's leading mining firms, CEO of Minera Carbonífera Río Escondido, and director of operations for Grafito de México and Compañía Minera Autlán. He has a doctorate in geology from Colorado State University.



Jamie Austin is a senior research scientist at the University of Texas Institute for Geophysics at the Jackson School of Geosciences. He specializes in the use of geophysical tools to examine stratigraphic evolution of marine and lacustrine environments. His work has focused on Pleistocene-Holocene geology of the continental shelf off the east coast of the U.S., with wide-ranging international experience, including seismic profiling and coring of Lago Fagnano, Tierra del Fuego, in Argentina.



Annell Bay is vice president of exploration Americas for Shell Exploration and Production. Prior to joining Shell, she was vice president of worldwide exploration for Kerr-McGee Oil and Gas Corporation. Her career has included assignments in exploration play and prospect generation, exploration drilling and operations, worldwide planning and strategy, and exploration management. In her early career, Bay worked for Shell, Chevron, Sohio/BP and Oryx Energy. She serves on advisory councils at the Jackson School of Geosciences, the American Association of Petroleum Geologists, and the American Geological Institute Foundation, among other organizations.



Stephen Brand* is vice president, exploration and business development, of ConocoPhillips. He previously served as president of the firm's Australasia division and, prior to the ConocoPhillips merger, as general manager, Australia division, for Phillips Petroleum Company. He started with Phillips in 1976 as a geologist, moving on to a range of leadership positions including staff director for E&P, Canada region manager of North American E&P, president of Phillips Petroleum Resources, Ltd., and E&P business development manager.



John Briceño* is the deputy prime minister of Belize and minister of natural resources and the environment, commerce and industry. His portfolio includes responsibility for natural and non-renewable resources, environmental management, meteorology, industrial standards, and measurements for imports and exports. As a member of the Belizean National Assembly, Briceño also represents Orange Walk, his home district, where he is a businessman.



Max Brouwers is the Latin America Exploration manager for Shell. Previously, he headed Shell's Global Exploration planning and strategy unit. He has also been involved with numerous new business development projects and corporate acquisitions for Shell across the globe. Brouwers is a geologist by training and has completed an MBA.

* Member of Latin American Forum.

† Member of Local Organizing Committee.



Members & Participants, continued



Jorge Camargo† is managing director of Statoil Brazil. Previously he served as vice president for new business development at Statoil and director of the international division of Petrobras, among an array of leadership positions in the Brazilian energy sector.



Iris Cárdenas Pino* is general director of environment and energy affairs for Peru's Ministry of Energy and Mines. Previously at the Ministry of Energy and Mines she served as general director of the Directorate of Environmental and Energy Issues and technical secretary of the Energy Technical Bureau. Cárdenas Pino has worked for more than 15 years on various aspects of Latin American energy including energy planning, energy economics, and utilities.



Danielle Carpenter is the Brazil new ventures team leader for Chevron International Exploration & Production. She previously served as Chevron North America exploration advisor. An exploration geologist who started her career at Texaco, she has worked in the Gulf of Thailand, Gulf of Mexico, the Northwest Shelf of Australia, and deepwater Angola, among other locations.



José Chávez* is CEO of Perupetro S.A. Previously Chávez served as contract manager for Perupetro, where he planned, directed, and coordinated contracts of exploration and hydrocarbon operation. He signed numerous agreements and contracts with petroleum companies from Europe, Asia, North America, and South America. Chávez has worked for Perupetro for 18 years, holding management positions in a range of departments. He is currently leading efforts to make Peru one of the most attractive countries to invest in and a successful player in the South American hydrocarbon industry.



Walter Cruickshank is deputy director of the United States Minerals Management Service (MMS), where he assists the director overseeing programs that ensure the effective management of mineral resources located on the nation's outer continental shelf, including the environmentally safe exploration, development, and production of oil and natural gas and the collection and distribution of revenues from minerals developed on federal and Indian lands. Cruickshank previously served as associate director for policy and management improvement at MMS.



Juan Mario Dary* is minister of the environment for Guatemala. Prior to this he was general manager of Laboratorios Labind, the first industrial biological laboratory in Guatemala; general manager of Services and Subministries for Water; lab chief of the environmental watch on Lake Izabal; and professor of biology at the University of San Carlos. He is a current or past president of the Guatemalan Association of Natural History, the Guatemalan Conservation Trust, and the Mario Dary Rivera Foundation, and is a founding member of the Trinational Alliance for the Conservation of the Gulf of Honduras.



Guilherme de Oliveira Estrella* is managing director for exploration and production at Petrobras. He is on the boards of directors and executive boards of Petrobras Energía and Petrobras Energía Participaciones and on the board of directors of Gaspetro, Petrobras' gas & energy subsidiary. Estrella started at Petrobras as a wellsite geologist in 1965. He has held a range of leadership positions including general superintendent of Cenpes, Petrobras' Research & Development Center. Since 2003 Estrella has been chairman of the board of the Brazilian Oil and Gas Institute.

* Member of Latin American Forum.

† Member of Local Organizing Committee.



Members & Participants, continued



Roberto Dobles Mora* is minister of energy and environment for Costa Rica and minister rector of the energy, environment, and telecommunications sector. He previously served as director of doctoral programs in economics and enterprise at Latin University, executive president of the Costa Rican Institute of Electricity, minister of science and technology for Costa Rica, and as an active board member on a number of national councils in energy, business, science, technology, and mining.



Ian Duncan is associate director for earth and environmental systems at the Bureau of Economic Geology at the Jackson School of Geosciences. Duncan previously worked 10 years as a scientist manager at the Virginia Department of Mines, Minerals, and Energy—Division of Mineral Resources. As a geology professor, he has taught at Southern Methodist University and Washington University in St Louis.



Eugenio Figueroa* is executive director of the National Center for the Environment, director of the Center of Environmental and Natural Resource Economics, and a professor of economics at the University of Chile. He is also an adjunct professor at the University of Alberta Business School. One of 24 scientific members of the Committee for Development Policy that advises the UN, he is a current or past economic adviser to governments, institutions and companies in Africa, Asia, Europe, and America, including the World Bank, Inter-American Development Bank, and development agencies in Germany, Japan, and Chile, among other countries.



William Fisher* is inaugural dean of the Jackson School of Geosciences. He is a member of the National Academy of Engineering and National Petroleum Council. He was assistant secretary of interior for energy and minerals under President Gerald Ford and on the White House Science Council under President Ronald Reagan. His research has focused on stratigraphy, sedimentology, and oil and gas assessment. In 1967 he introduced the concept of depositional systems, the basis for modern resource assessment by class or play. He has championed the importance of technology in resource availability. Fisher is past president of AAPG and other national geological societies and has received numerous international honors.



Jim Flannery* is ExxonMobil Exploration Company's South America area manager, responsible for hydrocarbon exploration activities in South America and the Caribbean. He previously held leadership positions in ExxonMobil's exploration, development, and production companies working the U.S. and West Africa businesses in addition to strategic planning through a career spanning 20 years. He is based in Houston.



John Forman is a former director of Brazil's National Petroleum Agency (ANP). He has been an adviser to the Brazilian Ministry of Science and Technology and a director of the São Paulo Center for State Industry and Nuclear; president of Unipar S.A., Nuclear Industries of Brasil, and Geomineração S.A.; and executive vice president at OPP Petroquímica S.A., among other industry positions. A professor of geology, Forman has been chair of the Department of Economic Geology and Mines, director of the School of Geology and the Institute of Geosciences at the Federal University of Rio de Janeiro. He is widely published in geology and mineral economics.



Michelle Michot Foss is chief energy economist and head of the Center for Energy Economics (CEE) at the Jackson School's Bureau of Economic Geology. She advises U.S. and international energy companies, publishes and speaks widely on energy issues, and provides public commentary and testimony to governments. She developed and directs New Era in Oil, Gas & Power Value Creation, an international capacity building program, and is the principal investigator for the CEE's LNG consortium, Commercial Frameworks for LNG in North America. In 2003 she was selected one of the Key Women in Energy for the Americas.

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Members & Participants, continued



Mario González* is a member of the Board of Directors of PetroEcuador. A professor of petroleum engineering at Chile's Coastal Polytechnic Institute (ESPOL) since 1975, he is the representative of ESPOL in Quito. From 1995-1997 he was head of Ecuador's National Hydrocarbon Directorate (DNH). He previously worked as technical representative for Pool Intairdri, a drilling company in Quito, and was a member of the board of directors of PetroEcuador in 1994-1995.



Chip Groat is a professor at the Jackson School of Geosciences, where he directs The University of Texas at Austin's Center for International Energy and Environmental Policy and the Energy and Mineral Resources graduate program. He served from 1998-2005 as director of the U.S. Geological Survey and previously as acting director of the Bureau of Economic Geology and director of the Louisiana Geological Survey. Among many leadership positions, he is past president of the Association of American State Geologists and of the Energy Minerals Division of the American Association of Petroleum Geologists.



Charles Jackson is a research scientist at the University of Texas Institute for Geophysics (UTIG) at the Jackson School. Jackson works on the interpretation of modern and paleoclimate observational data and its relation to the physics of the atmosphere, ocean, and cryosphere. In collaboration with colleagues at UTIG, Jackson is developing new methods that use modern and paleoclimate data to systematically and efficiently identify and quantify sources of climate model uncertainty.



Steve Laubach is a senior research scientist at the Bureau of Economic Geology at the Jackson School. His areas of expertise include structural petrology, structural geology, fractures, fault systems, and the structural evolution of the North American Cordillera. He is presently leading applied and basic research into fluid flow in fractured rock through the Jackson School's Structural Diagenesis Initiative.



Benigna Cortés Leiss* is the country representative in Mexico for Chevron International Exploration & Production and business advisor in the Latin America business unit. Previously she worked for CVX Power & Gasification as director of business development and for Texaco Gas International in gas market development in Latin America and West Africa. She has more than 20 years of gas industry experience, ten in the international arena, and opened Texaco's Global Gas & Power office in Brazil, where she worked in 1998-1999.



Stuart Leslie is special advisor for sustainable development and the chief elections officer of Belize. He represented Belize for eight years before the United Nations, as the country's permanent representative and deputy permanent representative. Prior to that he worked in Belizean television and radio and as an educator and administrator at St. John's College in Belize City.



Mike Loudin* is manager of global geoscience hiring and development at ExxonMobil Exploration Corporation. Among other positions in industry he was previously manager of seismic data acquisition research and services for Mobil, a member of the transition team for the ExxonMobil merger, and geophysics resources manager for ExxonMobil. He has led major exploration work in Alaska, the North Sea, and Nigeria, among other locations.

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† Member of Local Organizing Committee.

Members & Participants, continued



Murilo Marroquim† is president of Devon Energy's Brazilian Unit. He has been active in the upstream segment of the petroleum industry since 1971. He worked for Petrobras for 23 years in a range of technical and executive positions both domestic and international, then as a consultant in Latin America. After the Brazilian oil industry opened to private investors, he managed upstream activities at Petroleo Ipiranga and then joined Ocean Energy as country manager for Brazil, a position he retained after Ocean Energy's merger with Devon Energy in 2003.



Pánfilo Masciangioli* is currently the technical leader of oceanographic, meteorological and environmental studies that PDVSA-Intevep is conducting for offshore oil & gas projects in Venezuela. He is an environmental specialist with 24 years of experience in the Venezuelan oil industry, working for PDVSA Intevep, PDVSA's research and technology support center. Masciangioli was previously manager of the Ecology & Environment Department at PDVSA Intevep.



Mayra Janeth Mejía del Cid* is minister of the environment for Honduras. She served previously as subdirector of the National Registry of Persons and has extensive experience as a judge, with leadership experience at the local, regional, and national levels. She has written investigative reports on judicial independence and judicial qualifications.



Paulo Manuel Mendes de Mendonça is Petrobras' executive manager of Exploration—Brazil. With Petrobras since 1973, he has served previously as general manager of the Petrobras-E&P-Sergipe-Alagoas business unit, exploration manager of the Petrobras E&P business unit in Colombia, exploration manager for the Americas and Middle East, and exploration manager for South and Central America.



Newton R. Monteiro* is a director of Brazil's National Petroleum Agency. He previously served as general manager of Braspetro Angola, production manager of Braspetro, and manager of production and reservoirs for Petrobras International, among other leadership positions. As a professor, he has taught courses in production engineering, reserves valuation, and reservoir engineering for Petrobras, AGOCO (British Petroleum), and the University Augustin Grandson, Luanda, Angola.



Raul Mosmann*† is regulatory affairs & geology manager for ExxonMobil-Brazil. Prior to this he held a wide range of management positions in the petroleum industry, including director of exploration and production of Petrobras, member of the board and of the Administrative Council of Petrobras, director of exploration and production of Braspetro, and general manager of Petrobras Norway. A former professor of geology, he is author of several papers and books on the Brazilian petroleum basins. Among many distinctions, he received the American Association of Petroleum Geologists (AAPG) Special Commendation Award and is an AAPG Honorary Member.



José Jorge de Moraes is general manager of E&P Brazil new ventures for Petrobras. At Petrobras since 1980, he has served previously as sector manager of the Southern Campos Basin, exploration manager of the Petrobras E&P business unit in Colombia, exploration coordinator for Southeastern basins, and sector manager for Santos and Pelotas basins. He sits on the board of directors of the Brazilian Institute of Oil & Gas (IBP).

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† Member of Local Organizing Committee.

Members & Participants, continued



Francisco Nepomuceno* is executive manager of exploration and production for Petrobras, where he has worked for the past 30 years. Among a range of leadership positions with the firm, he was superintendent of operational units in Amazonia, head of the Geophysics Department of Cenpes (Petrobras' research & development center), and head of Cenpes' Exploration Division. In 2002 he served as a senior lecturer of portfolio analysis and economics at Petrobras' Corporate University. He was recently appointed managing director of Petrobras Netherlands.



Lilliam Osejo Sacasa* is vice minister of Nicaragua's Ministry of the Environment. She served previously as executive president of Nicaragua's Emergency Social Investment Fund and a technical director at the Nicaraguan Institute for Agricultural Technology. She has a professional and academic background in economic development and agriculture.



Wagner Peres is exploration manager for the Southern Atlantic Team, Devon Energy Corporation, in charge of assets in Angola and Brazil. He began his career with Petrobras and in 1982 started on the Campos Basin Exploration Team, part of the technical group that began Brazil's deep-water exploration program. In 1991, after earning a Ph.D. in seismic-stratigraphy from The University of Texas at Austin, he led an exploration study of Brazil's Santos Basin, then later served as exploration manager for Petrobras America before moving to Ocean Energy, later acquired by Devon.



Marilda Rosado de Sá Ribeiro*† is director of legal affairs for Brazil's National Petroleum Agency (ANP). Prior to joining ANP she was director of legal affairs of Repsol YPF Brasil and a professor of private international law at Rio de Janeiro State University. Professor Rosado was also a consultant to the National Petroleum Agency and a lawyer at Petrobras. She is a member of the Association of International Petroleum Negotiators and author of *Joint Ventures in the Oil Industry* (2003), among many related works.



Héctor Ruiz Díaz* is vice minister of mines and energy for the Ministry of Public Works and Communication of Paraguay. He has held a number of top management and supervisory posts at Paraguay's National Electricity Agency (ANDE), where he has worked since 1982 in diverse areas including civil engineering, technical management, and legal management. From 1994-1998 he was president of the Commission of Appraisals of the binational hydroelectric organization Yacypetá (EBY). He was later head of the Department of Complementary Works at EBY.



María Salomon de Salazar is manager of geology and exploration for PDVSA. She previously served as PDVSA's vice president of management and CVP's general manager of administration and management. As an exploration geologist since 1974 she has worked in Venezuela for Creole-Lagoven, Lagoven, Total, and on special assignment at the Bureau of Economic Geology at The University of Texas at Austin.



Luis Sánchez-Barreda is the program coordinator for Latin American projects at the Jackson School of Geosciences. He is responsible for developing new projects in Latin America and acting as a liaison between the school and foreign companies and countries. His technical experience includes numerous geological studies based on field work and stratigraphic and geophysical data from the Gulf Coast, southern Mexico, and Central and South America. He has worked on basin studies for much of Latin America evaluating hydrocarbon systems, reserves, seismic stratigraphy, and geochemical analyses.

* Member of Latin American Forum.

† Member of Local Organizing Committee.

Members & Participants, continued



Atilio Armando Savino* is Argentina's secretary of environment and sustainable development. He previously served as the Ministry of Environment and Sustainable Development's general coordinator of environmental management, general manager of the Ecological Coordination Society for the Metropolitan Area of Buenos Aires, and Buenos Aires' undersecretary of environmental health. He serves on the boards of the University Institute of the Isalud Foundation, an institution dedicated to public policy in health and the environment, and the Technical Association for Management of Solids and the Environment (ASTREGUS).



Russell Slayback* is chairman of Leggette, Brashears & Graham Inc. A consulting hydrogeologist with the firm since 1960, he became its president and chairman in 1984. His major consulting focus has been public water supply and dewatering of open-pit and underground mines. He is the member-at-large on the American Geological Institute (AGI) Executive Committee and is a past president of the American Institute of Professional Geologists (AIPG). He serves on the board of trustees of the AGI Foundation and the AIPG Foundation. His wife, Judy, is principal of an environmental consulting firm specializing in wetlands and land-use planning.



Melinda Taylor is a clinical professor of law and director of the Environmental Law Clinic at The University of Texas at Austin. Previously, in addition to working as an environmental lawyer in Austin and Washington, D.C., she was director of the Ecosystem Restoration Program at Environmental Defense where she managed a staff of attorneys, scientists, and economists engaged in projects to protect endangered species and water resources. She specialized in the use of incentives and market mechanisms to encourage land and water conservation.



Álvaro Teixeira† is the executive secretary of the Brazilian Institute of Oil & Gas (IBP), a private, non-profit organisation founded in 1957. He previously worked for Petrobras and its international subsidiary Braspetro for 36 years in Exploration and Production in Brazil, Algeria, Libya, Yemen and China.



Scott Tinker is state geologist of Texas and director of the Bureau of Economic Geology at the Jackson School of Geosciences. Before coming to the university, Tinker spent 18 years in the oil and gas industry, most recently at Marathon Oil Company's Petroleum Technology Center. Recipient of best paper awards in two major journals, he is a former AAPG Distinguished Lecturer, SPE Distinguished Lecturer, and current AAPG International Distinguished Ethics Lecturer. He is a member of many societies, boards and foundations, including the NRC Board on Energy and Environmental Systems.



Ramón Carlos Torres Flores* is general director of energy and mining at Mexico's Secretary of the Environment and Natural Resources (SEMARNAT). Previously in senior positions at PEMEX, his responsibilities included integration, evaluation, and negotiation of projects in refineries, including projects aimed at the elimination of lead from gasoline and reduction of sulphur content in fuel oil and diesel. Prior to PEMEX, Torres was a manager at Nacional Financiera, worked for the UN, and was vice president of Grupo EPN, a private company supplying capital to the electric and oil industry. Torres has taught in several of Mexico's most prestigious universities.



Roberto Urquiza* is the undersecretary of environmental quality of Ecuador's Ministry of Environment. He is a registered environmental and hydrocarbon consultant for Ecuador's National Directorate of Environmental Protection (DINAPA) and an environmental consultant for the Andean Development Corporation (CAF). He formerly served as head of the Department of Environmental Control of Guayaquil and has been a consultant and environmental auditor for a number of companies, including Cristalería del Ecuador S.A., Intervisa Trade S.A., Andigrain, Transelectric S.A., SGS del Ecuador, and Shell, among others.

* Member of Latin American Forum.

† Member of Local Organizing Committee.



Members & Participants, continued



Gordon Weynand* is Energy Team leader within the Bureau for Economic Growth, Agriculture, & Trade at USAID. He works closely with USAID Missions & Regional Bureaus providing energy sector assistance to host-country governments. In 2002, he was acting executive director of the US-Asia Environmental Partnership Program. From 1998 through 2001, he served as deputy director of USAID's Global Bureau Office of Energy, Environment & Technology. He has worked in central & eastern Europe and the former Soviet Union on power sector restructuring, oil & gas sector reform, and nuclear safety and for 11 years in the private sector in oil & gas.



Gene Whitney* is a policy analyst and representative of the U.S. Geological Survey (USGS) for the White House Office of Science and Technology Policy. Whitney has spent more than 20 years as a research scientist with USGS, working in an array of positions, including managing the assessment of oil and gas in Alaska's Arctic National Wildlife Refuge and serving as the chief scientist for the USGS Energy Team. Among multiple responsibilities in the White House, he presently looks at the future of Landsat. Whitney says he enjoys the opportunity to identify large earth science issues for the U.S. government.



Armando Zamora* is director of the National Hydrocarbon Agency of Colombia. Prior to this he was head of Iberia and leader of the oil markets team at ILEX Energy Consulting in Oxford, England. He is an honorary lecturer at the Centre for Energy, Petroleum and Mineral Law and Policy at the University of Dundee (Scotland). Zamora worked previously with the Boston Consulting Group and A.T. Kearney in London and Madrid, and held senior positions in insurance and investment promotion in Colombia.



Andres Zuzek* is principal exploration adviser to BP, where he has worked for the past 23 years. His work has mainly been related to generating and opening new potential frontier plays and country-entry opportunities in oil & gas. Most of his career has been devoted to the exploration of deep water basins, in the Gulf of Mexico, Angola, Nigeria, and Brazil. He recently led the team that assessed the exploration potential of Russia. During his 36 years in the industry, Zuzek has worked in most of the hydrocarbon bearing basins in South America, Central America, and Mexico.

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Photos from the Fall 2005 Forum in Austin



Raul Mosmann (Brazil), Larry Faulkner and William Fisher (U.S.).



Victoria Rodriguez (U.S.), Marilda de Sa Ribeiro and John Forman (Brazil).



Maria Luisa Velasco and Ramón Carlos Torres Flores



Marina Stadthagen (Nicaragua), Richard Kyle (U.S.), and Roberto Urquizo (Ecuador).



Javier Dávila-Pérez (Mexico).



Hector Ruiz Diaz (Paraguay), Scott Adams and Michelle Foss (U.S.).



Charles Kerans (U.S.), Francisco Nepomuceno (Brazil), John Briceño (Belize), and Armando Zamora (Colombia).



Juan Moya (U.S.), José & Rita Chávez (Peru), Allyson & Scott Tinker (U.S.).



Spouse attendees at the Texas State Governor’s Mansion.

Photos from the Fall 2005 Forum in Austin



Attendees to the Inaugural Forum at The University Of Texas at Austin (Affiliations are noted from the time of the conference, September 2005)

Back row, left to right: Scott Adams, Chevron Energy Technology Company; Gordon Weynand, USAID; Javier Dávila-Pérez, Ministry of Energy, Mexico; Paul Mann, Jackson School's Institute for Geophysics; Jay Raney, Jackson School's Bureau of Economic Geology; Andres Zuzek, BP; Ramiro Suarez, Yacimientos Petrolíferos Fiscales Bolivianos; Russell Slayback, Leggett, Brashears & Graham Inc.; Javier Alvarado, PDVSA Intevep; Chip Groat, Jackson School's Center for International Energy and Environmental Policy.

Third row, left to right: Roberto Urquizo, Ecuador's Ministry of Environment; Manuel Arellano, Bolivian Ministry of Energy and Hydrocarbons (formerly); Mike Loudin, ExxonMobil Exploration Corporation; Luis Sánchez-Barreda, Jackson School; Gerardo Saldago, Honduras' Ministry of Natural Resources and the Environment; Luis Riveros, University of Chile; Raul Mosmann, ExxonMobil-Brazil; Scott Tinker, Jackson School's Bureau of Economic Geology.

Second row, left to right: Marilda Rosado de Sá Ribeiro, Brazil's National Petroleum Agency; Ramón Carlos Torres Flores, Mexico's Secretary of the Environment and Natural Resources; Marina Stadthagen, Nicaragua's National Office for Clean Development in the Ministry of the Environment; John Briceño, deputy prime minister of Belize and minister of natural resources and the environment, commerce and industry; Eugenio Figueroa, National Center for the Environment, University of Chile; Ralph Leon, ExxonMobil Exploration Company; Francisco Nepomuceno, Petrobras; William Fisher, Jackson School of Geosciences.

Front row, left to right: Rodolfo Colmenares Añez, PDVSA; John Forman, Brazil's National Petroleum Agency; Héctor Ruiz Díaz, Paraguay's Ministry of Public Works and Communication; Mario González, PetroEcuador.



THE UNIVERSITY OF TEXAS AT AUSTIN

The Latin American Initiative

In 1998, The University of Texas at Austin made Latin America a strategic priority based on the institution's existing strengths and the importance of the region to Texas and the nation. Under the Latin American Initiative, former President Larry Faulkner called on the university to be the country's leading source of expertise regarding the arts, history, business, technology, and cultural studies of Latin America.

The University of Texas at Austin has a vast array of Latin American programs. It is home to the Teresa Lozano Long Institute of Latin American Studies, widely regarded as the premier Latin American institute in the U.S., with more than 100 affiliated faculty members. In Latin American subjects, the university graduates more students at the bachelor's, master's, and doctoral levels than any other U.S. university. The vast Benson Latin American Collection contains more than 700,000 volumes and is exceeded only by the Library of Congress. The university's Latin American art collection includes works by more than 250 Latin American artists, and a large part of the new Jack S. Blanton Museum of Art is dedicated to Latin American works. The University of Texas Press is the leading publisher of Latin American subjects in the U.S., with more than one-third of its book list pertaining to Latin America. Finally, UT-LANIC, the Latin American Network Information Center, is the world's premier electronic gateway to Latin American subjects on the Web.

The university is proud of its reputation as a leader in the field. Looking ahead, the university hopes to strengthen and expand its Latin American faculty and student exchange programs, endowed professorships, student support, academic conferences, and publishing. This effort is also creating more opportunities for Texas students to discover and engage with the region.

Select Latin American Programs and Research at UT Austin

Select Programs

- Jackson School: Bureau of Economic Geology
 - Texas-Mexico Border Area
 - Current Energy Research in Southern Mexico
 - Environmental Studies in Belize
 - Using LIDAR in Honduras
 - Environmental Studies in Venezuela
- Jackson School: Institute for Geophysics
 - Caribbean Basins, Tectonics and Hydrocarbons
 - Gulf of Mexico Basin Depositional Synthesis
 - Gulf Intraslope Basins Project
- Center for International Business Education & Research
- IC²: Cross Border Institute for Regional Development
- Knight Center for Journalism in the Americas
- Latin American Research Review
- Teresa Lozano Long Institute of Latin American Studies
 - Argentine Studies Center
 - Brazil Center
 - Center for Environmental Studies in Latin America
 - Center for Indigenous Languages of Latin America
 - Center for Latin American Social Policy
 - Latin American Network Information Center

Select Collaborative Agreements

- Bilateral Consortium in Social Science and Public Policy
- Center for Democracy
- Escuela de Administración de Negocios para Graduados (ESAN) - UTMBA Double Degree Program - Lima, Peru
- Fortaleciendo la Justicia Mediante la Capacitación Judicial - ITESM Monterrey
- Fundação Getulio Vargas - UTMBA Double Degree Program - Sao Paulo, Brazil
- Guatemalan Legislative Modernization Program
- ITESM - UTMBA Double Degree Program - Monterrey, Mexico
- Pontificia Universidad Católica - UTMBA Double Degree Program - Santiago, Chile
- Summer U.S. Law Program - Programa de Derecho Angloamericano

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