

Fulbright Academy of Science & Technology 2007 Annual Conference March 1-4, 2007

Thursday, March 1

8:30 am – 10:00 am Breakfast at El Panama Hotel

Location: Barbeque Area next to Pool

9:00 am – noon VIP Tour of the Panama Canal

Location: Meet at the hotel entrance, El Panama Hotel

10:00 am Conference Registration Desk Opens

Location: 9th Floor Lobby, El Panama Hotel

Activities at the Registration Desk:

- Pick up your name tag and your FAST gift
- Register for tours and the “roundtable discussions”
- Sign-up to participate in the video portion of Fulbright Stories
- Submit a Fulbright Story in writing

1:00 – 4:30 pm Marine Conservation Workshop

Location: Cristal Room - 9th Floor

5:00 – 6:30 pm “Happy Hour”

Location: Bellavista Room - 9th Floor

6:30 – 7:30 pm Dinner

Location: Bellavista Room - 9th Floor

7:30 – 9:30 pm Welcome Dinner

Mr. Eric Howard – Executive Director of the Fulbright Academy

Mr. Federico Humbert – Panama’s Ambassador to the United States

Sir Harold Kroto, Florida State University

Keynote Address: *Science, Society and Sustainability*

The Fulbright Academy Mission:

- Expand knowledge and international understanding of the sciences and technology by linking leaders in science, business, government and academia.
- Use the global Fulbright network to advance education, research, policy and commerce.

Key Sponsors of the 2007 Conference

Agency for Science, Technology & Research, Singapore ** American Association for the Advancement of Science ** Azusa Pacific University ** City of Knowledge, Panama ** Florida State University ** Fulbright Teacher Exchange Program ** Hospital Punta Pacifica, Panama ** Indiana University-Bloomington ** Johns Hopkins Medical International ** National Secretariat for Science, Technology and Innovation (SENACYT), Panama ** Salesforce.com Foundation ** Smithsonian Tropical Research Institute ** Technical University of Panama ** University of Nebraska – Lincoln ** University of Nebraska – Omaha ** University of South Florida ** US Centers for Disease Control & Prevention ** US National Institute of Justice

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Friday, March 2

- 7:00 – 8:15 am** **Breakfast**
Location: Barbeque Area next to Pool
- 7:15 – 8:15 am** **Dean's Breakfast**
Location: Barbeque Area next to Pool
- 7:00 – 4:30 pm** **Conference Registration**
Location: 9th Floor Lobby
- 7:30 – 6:00 pm** **Fulbright Stories: Collecting and telling stories about Fulbright experiences**
Location: 9th Floor Lobby
- 8:30 – 11:30 am** **Tours: Chose one:**
- Panama Canal – Miraflores Locks or
 - Panama Vejo (the 18th century center of the city, presidential palace, etc)
- Location: Meet on the first floor of the hotel at 8:15
- 11:30 – 1:15 pm** **Lunch at the "City of Knowledge"**
- 1:15 – 1:45 pm** **Time to relax, change clothes and prepare for the afternoon session**
- 1:45 – 2:00 pm** **Congregate on the 9th floor and find your seats.**
- 2:00 – 3:00 pm** **Official Opening**
Location: Bellavista Room - 9th Floor
Welcome – Mr. Salvador Rodriguez, Rector, Technical University of Panama
Mr. Philip Yeo, Singapore Agency for Science, Technology and Research
Singapore's Pursuit of R&D
Dr. Tanja Popovic, US Center for Disease Control
The Role of Public Health in Preventing and Controlling Disease, Injuries and Disabilities Globally
- 3:00 – 4:30 pm** **Partnerships for Development Panel**
Location: Bellavista Room - 9th Floor
Forensics and Human Rights Workshop
Location: Cristal Room - 9th Floor
- 4:30 – 5:00 pm** **Poster Session & Coffee Break**
Location: 9th Floor Lobby

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- 5:00 – 6:15 pm** **Global Health Panel**
Location: Bellavista Room - 9th Floor
- Environmental Sustainability**
Location: Cristal Room - 9th Floor
- 7:00 – 8:30 pm** **Dinner & “Roundtable” Discussions**
Location: Bellavista Room
- | | |
|----------------|---|
| Biology | Cross-cultural Development |
| Economics | Science in Around the World |
| Future of FAST | Individuals as Agents for Social Change |

Saturday, March 3

- 7:00 am – 9:00 am** **Breakfast**
Location: Barbeque Area next to Pool
- 8:30 am – 1:00 pm** **Tours and brown-bag lunch – Chose one**
- Hospital Punta Pacifica, an affiliate of Johns Hopkins Medical International
Location: Meet on the first floor of the hotel at 8:15
 - Smithsonian Tropical Research Institute – Culebra Marine Education Center
Location: Meet on the first floor of the hotel at 8:40
Note: Half of the Smithsonian tour participants will return to the hotel at noon so that they can eat lunch in an air-conditioned location.
- 1:00 – 1:30 pm** **Time to change clothes, relax, prepare for the afternoon session**
- 1:30 – 3:00 pm** **Three Concurrent Panels**
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| Excellence in Education
Location: Centenario |
| Environmental Sustainability
Location: Salon Manuel Amador Guerrero |
| Forensics and Human Rights
Location: Salon Conquistador |
- 3:00 – 3:30 pm** **Coffee Break**
Location: Foyer
- 3:30 – 5:00 pm** **Three Concurrent Panels**
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| Global Health
Location: Centenario |
| Partnerships for Development
Location: Salon Conquistador |
| DNA Research – Multidisciplinary Innovation
Location: Salon Manuel Amador Guerrero |

FULBRIGHT ACADEMY OF SCIENCE & TECHNOLOGY 2007 ANNUAL CONFERENCE

NOTE: THE ORDER OF PRESENTATIONS WITHIN A PANEL MAY CHANGE.

When multiple panels meet at the same time, they are identified as A, B, C.

THURSDAY AFTERNOON WORKSHOP

MARINE CONSERVATION

- Big Picture: Are our Oceans in Crisis?, Dr. Robert George, President and CEO, George Institute for Biodiversity & Sustainability, Wilmington, NC
- CSI on Coral Reefs: Standardizing Coral Reef Investigations, Dr. Patricia Ramírez Romero, SETAC Mexico President & Professor, Universidad Autónoma Metropolitana, Mexico City, Mexico
- Sustaining the World's Marine Ecosystems: The Case of the Benguela Current Large Marine Ecosystem, Dr. Timothy Hennessey, Professor of Political Science, University of Rhode Island, Kingston, RI
- The Implementation of the Convention on Biodiversity and Tourism Development Guidelines in Kuna Yala, Mr. Scott Muller, Director, CODESTA, Panama City, Panama

- Mediterranean Sea: Conservation and Management of Living Deep-sea Resources, Dr. Goran Kniewald, Professor and Director of Laboratory, Rudjer Boskovic Institute, Zagreb, Croatia
- Distinguishing Climate and Fisheries Impacts in the Oceans using Marine Protected Areas (MPAs) and Ecosystem Modeling, Dr Tom Okey, Senior Marine Ecologist, CSIRO - Commonwealth Scientific and Industrial Research Organisation, Cleveland, Queensland, Australia
- Deep-water Coral and Chaemosynthetic Communities; Application of Research Results in the Development of Protective Measures in the Gulf of Mexico, Dr. Thomas (Tom) Ahlfeld, Oceanographer, US Minerals Management Service - Env. Sciences Branch, Herndon, VA
- Seamounts and Deep-Sea Coral Reef Ecosystems: Science and Management, Dr. Robert George, President and CEO, George Institute for Biodiversity & Sustainability, Wilmington, NC
- Tribute to Late Dr. Robert Avent of FSU and MMS (Discover of Oculina Cold Coral Reefs off Florida, the first MPA in USA), Dr. Robert George, President and CEO, George Institute for Biodiversity & Sustainability, Wilmington, NC

THURSDAY NIGHT KEYNOTE

- Welcome, Ambassador Federico Humbert, Panama's Ambassador to the United States
- Science, Society and Sustainability, Dr. Harold Kroto, Florida State University and 1996 Nobel Prize in Chemistry

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FRIDAY AFTERNOON - LEAD SPEAKERS:

- Singapore's Pursuit of R&D, Mr. Philip Yeo, Chairman, Agency for Science, Technology & Research, Singapore, Singapore
- The Role of Public Health in Preventing and Controlling Disease, Injuries and Disabilities Globally, Dr. Tanja Popovic, Chief Science Officer (acting), US Centers for Disease Control & Prevention, Atlanta, GA

FRIDAY PANELS – First Set.

A: PARTNERSHIPS FOR DEVELOPMENT

- Science Networks for Innovation and Development, Dr. Tom Wang, Director for International Cooperation, American Association for the Advancement of Science, Washington, DC
- Sustainability and Development of Technology: Two strategies towards business growth, Dr. Gabriela Burgos Solórzano, R&D Engineer, Dupont Titanium Technologies, Altamira, Tamaulipas, Mexico
- Making the Case for Strategic Corporate Philanthropy, Ms. Megan Nesbit, Global Product Donations Manager, Salesforce.Com, San Francisco, CA

B: FORENSICS & HUMAN RIGHTS

- Forensic Science & the UN Millennium Development Goals, Dr. Leon Higley, Professor of Entomology, University of Nebraska, Lincoln, NE and Dr. Dave Carter, Member of the Advisory Board of the Nebraska Institute of Forensic Sciences & Lecturer in Entomology, University of Nebraska, Lincoln, NE
- Development of a System to Analyze Skeletal Remains in the Morgues of Rio de Janeiro as a Tool to Help Identify Missing Persons, Dr. Hilton Pereira da Silva, Museu Nacional/UFRJ, Dept. of Anthropology, Rio de Janeiro, RJ Brazil
- The Interface of Child Abuse, Public Health and Forensic Science, Dr. Cordelia Okoye, Executive Vice President, Nebraska Institute of Forensic Sciences, Lincoln, NE
- Technology and Learning Support for Fulbright-funded Distance Education in Forensic Science:, Ms. Debra Meier, Extended Education and Outreach, University of Nebraska, Lincoln, NE

FRIDAY PANELS – Second Set.

A: GLOBAL HEALTH

- Advancing a Ugandan Model of Nursing Practice: Nurses in Uganda, Dr. Rozzano de Castro Locsin, Associate Professor, Florida Atlantic University, Boca Raton, FL
- Bulgarian Health Care: An emerging agenda, Dr. Raelene Shippee-Rice, Associate Professor of Nursing and Chair, University of New Hampshire, Durham, NH
- Organ Transplant -The Moral Prospective in Pakistan, Dr. Sayed Iqbal Raza, Joint Executive Director, Pakistan Institute of Medical Sciences, Islamabad, Pakistan

B: SUSTAINABLE DEVELOPMENT

- Sustainability From Campus to Community: Taking it to the Streets, Dr. Brenda Young, Associate Professor and Chair of Natural Sciences Dept., Daemen College, Amherst, NY
- Sustainable Food Production, Dr. Alfred Conklin, Jr., Professor and Chair, Department of Chemistry, Wilmington College, Wilmington, OH
- Making Science Matter; Listening to the People and Talking to Decisionmakers, Dr. Russell Hall, former director, USGS Florida Integrated Science Center, Gainesville, FL
- Title Needed - Sustainable Development, Mr. A. Rehman Khan, 2006 Fulbright Scholar 2006 at Brandeis University, Waltham, MA

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FRIDAY AFTERNOON

POSTER SESSION

1. The effectiveness and cost-effectiveness of interventions to increase folic acid consumption, Mr. Adam Aten, Researcher, Centers for Disease Control and Prevention, Atlanta, GA
2. Fungal Biodiversity Studies in Ecuador, Ms. Rosario Briones-Ortega, Professor of Biological Sciences, Pontificia Universidad Católica del Ecuador, Quito, Ecuador
3. Daily Self-Monitoring Data Collection & Feedback through CAMI (Computer Assisted Mobile Interview) in Health & Sport Psychology., Dr. Harald Barkhoff, Assistant Professor, Health & Physical Education, University of Hawaii, Hilo, HI
4. Predictors of Risky Sexual Behaviors Among Hispanic and African American Women in the United States, Dr. Anita Bralock, Assistant Professor of Nursing, Azusa Pacific University, Azusa, CA
5. Telecommunications & development, Dr. Aris Castillo, Universidad Tecnológica de Panama, Panama City, Panama
6. Renewable Energy Sources for Environmental Sustainability: Hydrogen Energy Technologies, Dr. Antonio Chica Lara, Researcher, Polytechnical University of Valencia, Institute of Chemical Technology, Valencia, Spain
7. Coatepeque Watershed, Ms. Mercedes Graciela García Castillo, Manager for Social Programs, Fondo de Inversión Social para el Desarrollo Local, San Salvador, El Salvador
8. Understanding the Mechanisms behind Plant Invasiveness Should Guide Sustainable Control Practice; A Case Study using Invasive Goldenrod, Dr. Robert (Bob) Johnson, Associate Professor of Biology, Medaille College, Buffalo, NY
9. Challenges of HIV/AIDS as Experienced by Nursing Students Serving in Nairobi, Kenya, Ms. Rosemary Mwangi, Clinical Instructor, Azusa Pacific University, Azusa, CA
10. Biogeochemical Interactions During Microbial Iron and Nitrogen Cycling in Anoxic Sediments, Dr. Flynn Picardal, Associate Professor, School of Public & Environmental Affairs, Indiana University--Bloomington, Bloomington, IN
11. Mexican Effort using Bioassays as a Tool to Ensure Environmental Sustainability, Dr. Patricia Ramírez Romero, Professor, Universidad Autónoma Metropolitana, Mexico City, Mexico
12. The effectiveness and cost-effectiveness of interventions to increase folic acid consumption, Ms. Sima Razi, MPH, Researcher, US Centers for Disease Control & Prevention - Community Preventive Services, Atlanta, GA
13. Health in Segregation: A Snapshot of Palestinian Childrens Health, Ms. Asma Taha, Nurse practitioner, Loma Linda University Medical Center & Graduate Student, Azusa Pacific University, Azusa, CA

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FRIDAY NIGHT ROUNDTABLE CHAIRPERSONS:

- **Biology**
 - Ms. Rosario Briones-Ortega, Professor of Biological Sciences, Pontificia Universidad Católica del Ecuador, Quito, Ecuador
- **Science in Around the World**
 - Dr. Hania Dawani, Jordanian Nursing Council, Amman, Jordan
 - Dr. Edgar Ek, Principal Land Information Officer, Belize Ministry of Natural Resources & the Environment, Belmopan, Belize
- **Cross-cultural Development**
 - Dr. Jim Hackler, Emeritus Professor, University of Alberta, University of Victoria, Victoria, BC Canada
- **Individuals as Agents for Social Change**
 - Dr. Margarete (Peg) Hall, Associate Professor, University of Florida, College of Journalism & Communications, Gainesville, FL
 - Dr. Ileana Rodriguez-Garcia, Professor and Program Director for the Human Services Programs, LaGuardia Community College, Long Island City, NY
- **Economics**
 - Mr. Ignacio Medina Nunez, Professor, ITESO Jesuit University, Tlaquepaque, Jalisco, Mexico
 - Dr. Nancy Joan Scannell, Associate Professor in the College of Business and Management, University of Illinois-Springfield, Springfield, IL
- **Future of FAST**
 - Ms. Louise Shaxson, Science Policy Consultant, Dorset, United Kingdom
 - Mr. Eric Howard, Executive Director, Fulbright Academy

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SATURDAY

MORNING TOUR A – Hospital Punta Pacifica

- Medical Tourism in Panama, Dr. Rolando Bissot, Medical Director, Punta Pacifica Hospital, Panama City, Panama
- JHI Global Collaborations, Dr. Patrick Byrne, Medical Director, Johns Hopkins Medical International, Baltimore, MD
- Medicine in Panama, Dr. Jorge Motta, Director, Gorgas Research Institute, Panama City, Panama
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MORNING TOUR B – Smithsonian Culebra Education Center

- Dr. John Christy, Staff Scientist, Smithsonian Tropical Research Institute
- Dr. Andrew Crawford, Postdoc Researcher, Smithsonian Tropical Research Institute, Panama City, Panama
- Dr. Harris Lessios, Staff Scientist, Smithsonian Tropical Research Institute, Panama City, Panama
- Dr. Juan Maté Touriño, Postdoc Researcher, Smithsonian Tropical Research Institute, Panama City, Panama

SATURDAY AFTERNOON PANELS – First Set

A. EXCELLENCE IN EDUCATION

- E-learning for developing countries, Dr. Nega Debela, Professor, Marshall University, South Charleston, WV
- Minimizing Gender Differences in Chemistry Achievement, Dr. Harkirat Dhindsa, Associate Professor, University of Brumre Darussalam, Bandar Seri Begawan, Brunei
- Using Cooperative Problem Solving in the Mathematics Classroom to Empower Girls, Dr. Leticia Hernandez Hahn, University of Miami, Miami, FL Mexico
- Approaching School Failure in Latin American Countries, Dr. Pedro Sanchez Escobedo, Professor, Universidad Autónoma de Yucatán, Yucatan, Mexico

B. SUSTAINABLE DEVELOPMENT

- Panama Canal Enlargement, Staff Member, Panama Canal Authority, Environment Department, Panama City, Panama
- Engineering & Water, Mr. Patrick Andrew, Environmental Health Department, St. Lucia Ministry of Health, Castries, St. Lucia
- The Importance of Networking in Water and Sanitation, Ms. Mercedes Graciela García Castillo, Manager for Social Programs, Fondo de Inversión Social para el Desarrollo Local, San Salvador, El Salvador
- Effect of Non-Point Source Runoff and Urban Sewage on the Yaque del Norte River, Dominican Republic, Dr. Peter Phillips, Associate Professor of Biology, Winthrop University, Rock Hill, SC

C. FORENSICS & HUMAN RIGHTS

- Entomology in Abuse and Crime Scene Discovery, Dr. Tim Huntington, Graduate Student in Entomology, University of Nebraska, Lincoln, NE
- Current Trends in Extrajudicial Killings in Nigeria: The Case For Assistance in the Forensic and Medico-legal Death Investigations, Dr. Matthias (Ike) Okoye, M.D.,J.D., Director, Nebraska Institute of Forensic Sciences, Inc., Lincoln, NE and Dr. John Obafunwa, Member of the Advisory Board of the Nebraska Institute of Forensic Sciences & Professor, Lagos State University, College of Medicine, Lagos, Nigeria

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- Depravity in the Tribal Context: When is Heinous Behavior Culturally Proscribed, Dr. Karl Reinhard, Professor in the School of Natural Resource Sciences, University of Nebraska, Lincoln, NE

SATURDAY AFTERNOON PANELS – Second Set

A. GLOBAL HEALTH

- Transforming the Workplace with Evidence-based Practice in a Major Academic Medical Center, Dr. Vivien Dee, Professor of Nursing, Azusa Pacific University, Azusa, CA
- Empowering Women as Promotoras: A Model for Community-Based Health Education, Dr. Mary Healey-Sedutto, Executive Director, Hope for a Healthier Humanity, Staten Island, NY and Dr. Connie Vance, Professor, School of Nursing, The College of New Rochelle, New Rochelle, NY
- Diabetes: An Enigma in Diagnosis and Treatment, Dr. Anil Mandal, Nephrologist/Clinical Professor of Medicine, Medical Specialists, St. Augustine, FL

B. PARTNERSHIPS FOR DEVELOPMENT

- Democracy and Development in Latin America: The Need of a New Social Policy, Mr. Ignacio Medina Nunez, Professor, ITESO Jesuit University, Tlaquepaque, Jalisco, Mexico
- Title needed, Mr. Antonio Cabrales, President, FUSADES-Fundación Salvadoreña para el Desarrollo Economico y Social, San Salvador, El Salvador
- A First Step in Making Science Count: A Model for Identifying Science Publics, Dr. Margarete (Peg) Hall, Associate Professor, University of Florida, College of Journalism & Communications, Gainesville, FL
- Building Alternative Future Scenarios of Development and Science and Technology Innovation Clusters for a Mexican Region, Dr. Medardo Tapia Uribe, Researcher, Mexico's National University, Mexico City, Mexico

C. DNA Research

- Certification to Support Conservation and Sustainable Use of Endangered Mexican Cacti, Dr. Rolando Bárcenas, Head of Research, Darwin Laboratorium of Molecular Systematics and Evolution, Universidad Autónoma de Querétaro, Queretario, Mexico
- DNA Testing for Genealogical and Ancestral Research, Mr. Ugo Perego, Director of Operations, Sorenson Molecular Genealogy Foundation, Salt Lake City, UT
- Title Needed, Susan Johns, Susan Johns Forensic Consulting, Peoria, IL