



Networks of Diasporas in Engineering and Science (NODES)

in partnership with

Ireland's Presidency of the Council of the European Union 2013

SCIENCE AND ENGINEERING DIASPORA ENGAGEMENT

Sheraton Boston Hotel; 39 Dalton Street, Boston, MA

February 14, 2013

NODES is a partnership between the U.S. Department of State, the American Association for the Advancement of Science (AAAS), the National Academy of Sciences (NAS) and the National Academy of Engineering (NAE) that seeks to support diaspora knowledge networks.

A diaspora is a community of people settled in a new geographic location away from their ancestral homeland. NODES is a "diaspora knowledge network" including scientists, students, innovators and science policy experts that are originally from a specific country or region and now live elsewhere. Although they are working outside of their country of birth, their common language and experiences build partnerships that promote scientific cooperation across countries, spur economic growth and innovation in both their country of origin and new homeland.

Time	Location	
11:30am	Constitution Ballroom A	Registration opens
12:00 – 1:00pm	Constitution Ballroom A	Lunch (By invitation only) Hosts: H.E. Amb. Michael Collins (<i>Ambassador of Ireland to the U.S.</i>) and Dr. Mark Ferguson (<i>Director General of Science Foundation Ireland</i>)
1:00 – 2:30pm	Exeter Dalton Hampton Clarendon	Break-out sessions <i>Break-out group #1: Information Technology Platforms and Networks for Diaspora Engagement</i> <i>Break-out group #2: Women in STEM Diaspora Networks</i> <i>Break-out group #3: Funding for Diaspora Activities</i> <i>Break-out group #4: Institutional Partners in Diaspora Engagement</i>
2:30 – 2:45pm	Constitution Ballroom A	Break and Transition to Ballroom A
2:45 – 3:00pm	Constitution Ballroom A	Reports from break-out sessions
3:00 – 4:30pm	Constitution Ballroom A	Panel Discussion moderated by: Dr. Mark Ferguson (<i>Director General of Science Foundation Ireland</i>) Panelists: Dr. E. William Colglazier (<i>Science & Technology Adviser to the Secretary, U.S. Department of State</i>) Dr. Geneive Brown Metzger (<i>Former Jamaica Consul General, New York</i>) Dr. Gizem Donmez (<i>Turkish American Scientists & Scholars Association</i>) Dr. Nicholas Farrell (<i>President, Wild Geese Network of Irish Scientists</i>) Dr. Romain Murenzi (<i>The World Academy of Sciences</i>) Amb. Daniel Hernández Joseph (<i>Consul General of Mexico in Boston</i>)
4:30 – 5:30pm	Constitution Ballroom A	Reception and Networking in celebration of Ireland's Presidency of the Council of the European Union 2013 hosted by SFI

Break-out Session Descriptions

- **Information Technology Platforms and Networks for Diaspora Engagement**
 - *Discussion topics:* How can science diaspora groups use information technology to form, communicate, and provide mentoring? Are there differences across cultures and fields of science in how technology works to connect widely dispersed diaspora groups? What technology platforms exist (e.g., Google, Facebook, Twitter, LinkedIn, Hubspara App) to best enable science diaspora networks?
 - *The session will be moderated by:* Dr. David Proctor (AAAS S&T Fellow at NSF)
 - *Rapporteur:* Dr. Nathaniel Schaeffle (AAAS S&T Fellow at State Dept.)

- **Women in STEM Diaspora Networks**
 - *Discussion topics:* How are women's experiences in a science diaspora different? What have we learned/do we need to learn to strengthen women's participation in science diasporas? Resources might include the Report on the Women in International Scientific Collaborations (WISC) Program and the Report on the International Workshop on International Research Collaborations.
 - *The session will be moderated by:* Dr. Kristina Krasnov (AAAS S&T Fellow at State Dept.)
 - *Rapporteur:* Dr. Riju Srimal (AAAS S&T Fellow at State Dept.)

- **Funding for Diaspora Activities**
 - *Discussion topics:* What kinds of programs exist that support more international science diaspora linkages) and mobility of scientists? Examples might include USAID's PEER program, NSF's Pan American Advanced Studies Institutes, the US-Ireland R&D Partnership, the American Ireland Fund, and development banks.
 - *The session will be moderated by:* Dr. Maria Rakhovskaya (AAAS S&T Fellow at State Dept.)
 - *Rapporteur:* Dr. Mahlet Mesfin (AAAS S&T Fellow at DoD)

- **Institutional Partners in Diaspora Engagement**
 - *Discussion topics:* How can universities, embassies, science academies, professional societies and associations help build diaspora communities? Examples might include embassy programs, university activities (e.g., foreign student groups, institution-to-institution agreements, role of professors in training students from their country of origin), and professional society programs and linkages.
 - *The session will be moderated by:* Dr. Elizabeth Lyons (State Dept. and NSF)
 - *Rapporteur:* Dr. Elizabeth Prescott (State Dept.)

Panelists



Dr. E. William Colglazier

Dr. E. William Colglazier was appointed in July 2011 as the fourth Science and Technology Adviser to the Secretary of State. The mission of his office is to provide scientific and technical expertise and advice in support of the development and implementation of U.S. foreign policy. The Adviser serves as an advocate for science-based policy at the State Department, helps to identify and evaluate emerging scientific and technical issues that affect U.S. strategic interests, brings scientific expertise to the Department, and helps to promote scientific and technological capacity-building and science-based policymaking internationally. The Adviser also provides outreach to the U.S. and international scientific community and helps to facilitate scientific cooperation between the United States and other countries. Please visit state.gov/e/stas for additional information.



Dr. Geneive Brown Metzger

Dr. Geneive Brown Metzger is Co-Chair, University of Technology, Jamaica, West Indies. She was appointed Jamaica's eighth Consul General to New York in February 2008 to represent the largest concentration of Jamaicans in the Diaspora, and cover a jurisdiction of thirty-three states, Puerto Rico and Bermuda. She excelled as Consul General in driving investment to Jamaica; deepening Jamaican diaspora engagement, and fostering academic collaborations between Jamaica and the U.S. As Consul General, Dr. Brown Metzger served on the US Agency for International Development/Migration Policy Institute Think Tank on Diaspora in 2010, which led to Secretary of State Hillary Clinton's inaugural Global Diaspora Forum in 2011. She was a contributor to the Workbook associated with the Forum, and authored the back cover endorsement of "Diasporas: New Partners in Global Development Policy", Kathleen Newland, Editor. Please visit <http://www.geneive.com/> for additional information.



Dr. Gizem Donmez

Dr. Gizem Donmez is an Assistant Professor at Tufts University School of Medicine. A recipient of numerous research awards and author of many research papers, she graduated from Middle East Technical University in Ankara, Turkey with a BS in Molecular Biology and Genetics and a Ph.D. on Molecular Biology and Biochemistry from Max Planck Institute for Biophysical Chemistry in Germany. In October 2011, she started her independent research program focusing on age-related neurodegenerative diseases. Dr. Donmez is a member of the Health and Biomedical Sciences Technical Group of TASSA (Turkish American Scientists and Scholars Association). Please visit tassausa.org for additional information.



Dr. Nicholas Farrell

Dr. Nicholas Farrell is the Founder and President of the Wild Geese Network of Irish Scientists and Professor of Chemistry at Virginia Commonwealth University. The Wild Geese Network of Irish Scientists is a dynamic, inclusive organization already comprising over 440 members, devoted to providing a comprehensive information and support network for Irish scientists home and abroad. Inspired by the recognition of Irish contributions to American business and the arts, it strives to connect members of the Irish scientific Diaspora, and highlight the successes of Irish scientists abroad. The Network provides a forum for discussion, advancement of ideas, consultancy, publicity and engagement of Irish scientists in policy. The depth and breadth of the Diaspora is highlighted by membership from senior faculty and early career professionals in academia, pharmaceutical companies, the energy and biotechnology sectors and science policy and communications. Please visit wildgeesenetwork.org for additional information.

Panelists



Dr. Mark Ferguson

Dr. Mark Ferguson is Director General of Science Foundation Ireland and Chief Scientific Adviser to the Government of Ireland (since 2012). Previously he was Professor in Life Sciences at the University of Manchester (since 1984) and co-founder, CEO and Chairman of Renovo Group plc (1998-2011). He is the recipient of numerous international research awards including the 2002 European Science Prize (jointly), and is the author of 327 research papers and book chapters, 60 patent families and author / editor of 8 books. Mark graduated from the Queens University of Belfast with degrees in Dentistry (BDS 1st class honors), Anatomy and Embryology (BSc 1st class honors, PhD) and Medical Sciences (DMedSc), holds Fellowships from the Royal Colleges of Surgeons in Ireland (FFD), and Edinburgh (FDS) and is a Founding Fellow of the UK Academy of Medical Sciences (FMedSci). He is a member or Fellow of a number of learned Societies, and was made a “Commander of the British Empire” (CBE) by the Queen in 1999 for services to Health and Life Sciences. Please visit sfi.ie for additional information.



Dr. Romain Murenzi

Dr. Romain Murenzi is a key architect of Rwanda’s efforts to devise a successful blueprint for science-based sustainable development after years of civil war and genocide. Dr. Murenzi’s research is focused on applications of multidimensional continuous wavelet transforms to quantum mechanics, and image and video processing. Murenzi has travelled extensively both as a researcher and public official, forging partnerships in the areas of education, science and technology. He has worked with universities, research centers and ministries worldwide. In 2009, Murenzi left Rwanda to become a senior scholar at AAAS in Washington, DC. In July 2010, he was named Director of the AAAS Center for Science, Technology and Sustainable Development. He is also a member of the board of the African Institute of Mathematical Sciences (AIMS) and Dian Fossey Gorilla Fund International, on the advisory board of Scientists Without Borders, and on the scientific board of UNESCO’s International Basic Science Programme. He is the Executive Director of TWAS, the World Academy of Sciences. Please visit twas.org for additional information.



**Amb. Daniel Hernández
Joseph**

A member of the Mexican Foreign Service since May 1982, Amb. Hernández has participated in the Mexican delegations to several bilateral meetings with the United States on migration matters from 1995 to 1999, in the Regional Conference on Migration from 1996 to 2001, and in the working teams for the development of policy positions on issues of international migration, 1996-1999 and bilateral negotiations on migration with the United States and with Cuba. He obtained a Bachelor of Arts in International Relations at Earlham College in Richmond, Indiana, and a Master of Arts degree in Latin-American Studies from the University of Texas at Austin. He has published several articles about consular protection, international migration, border management and cultural affairs. During his stay at American University he lectured on Migration Policies in North America and developed research on land borders administration policies in North America. Please visit consulmex.sre.gob.mx/boston for additional information.
