



MEETING the GLOBAL CHALLENGE

SPEAKERS

Regional Progress and Challenges to Securing Vulnerable Nuclear Materials in Four Years

Irma Arguello is the Founder and Chair of the NPSGlobal Foundation, a private and non-profit initiative. A trained physicist, Arguello's professional career includes management experience with multinational corporations and organizations. She has written numerous articles, papers, and opinion pieces, and co-directs the first regional postgraduate course on disarmament and nonproliferation in Latin America.

Matthew Bunn is an Associate Professor at Harvard University's John F. Kennedy School of Government. He has worked as an adviser to the U.S. Office of Science and Technology Policy and at the National Academy of Sciences, and is the recipient of awards from the American Physical Society and the Federation of American Scientists related to his work to secure nuclear weapons. Bunn has authored some 20 books and book-length technical reports, as well as numerous articles for technical and popular publications.

Li Hong is currently the Secretary General of China Arms Control and Disarmament Association. He had a technical background and joined the Ministry of Foreign Affairs of China dealing with arms control, disarmament and nonproliferation issues in 2001. He worked in the Permanent Mission of China for International Organizations in Vienna from 2002-2006 dealing with IAEA related nuclear issues. He was the deputy representative of China to the OPCW in Hague from June 2006 - January 2009.

Pervez Amirali Hoodbhoy is professor of nuclear and high energy physics, as well as chairman, in the Department of Physics, at Quaid-e-Azam University, Islamabad. Hoodbhoy is a member of the Permanent Monitoring Panel on Terrorism of the World Federation of Scientists. Over the years, he produced and directed several documentary films that have been widely viewed on national television which deal with political, nuclear, and scientific matters. He is frequently invited to comment on these issues in Pakistani and international media. In 2010, he received the Joseph A. Burton Award from the American Physical Society and the Jean Meyer Award from Tufts University.

Kevin O'Shea serves as Minister for Political Affairs at the Canadian Embassy in Washington, D.C. He has had a 30-year career at the Canadian Department of Foreign Affairs and International Trade, including service abroad as Deputy Head, Canadian Mission to the European Union and postings in Paris, New York and Accra. In Ottawa, he was Director, Canadian Cooperation to the Countries of the Former Soviet Union 1991-1995 and Director, U.S. Relations from 2000 to 2003.

Gennady Pshakin is the Head of the Analytical Center for Nonproliferation at the Obninsk Institute of Physics and Power Engineering. He has been instrumental in implementing new safeguard techniques where modern technologies for accounting and handling of nuclear materials had been lacking. He has worked closely with American experts involved in the Lab-to-Lab and Gov-to-Gov programs to enhance materials protection, accounting, and control at facilities in the Russian nuclear complex. Pshakin was an IAEA safeguards inspector (1985-1993), a member of the IAEA Action team in Iraq (1994-2003), and Fellow of the Institute of Nuclear Materials Management.

Rethinking Multilateral Approaches to Fissile Material Security

Marcos Castrioto de Azambuja is the Vice President of Centro Brasileiro de Relações Internacionais (CEBRI). He is the former Brazilian Ambassador to France and Argentina, and was Secretary General of the Brazilian Ministry of External Relations. Previous assignments include that of Special Representative and Coordinator of the Brazilian Delegation to the UN Conference on Development and Environment (1992 Rio Summit), and Brazilian representative to the Conference on Disarmament and to the Commission on Human Rights.

Roger Howsley is the Executive Director of the World Institute for Nuclear Security (WINS) based in Vienna, Austria. WINS is an international forum for nuclear security professionals to exchange best practices, with the aim of improving nuclear security leadership worldwide. Howsley is the former Director of Security, Safeguards and International Affairs for British Nuclear Fuels (BNFL) and has over 25 years international experience relating to nuclear nonproliferation and security across the nuclear fuel cycle. Between 2001 and 2009, he served on the IAEA Director-General's Standing Advisory Group on Safeguards Implementation.

Anita Nilsson is the Director of the Office of Nuclear Security in the Department of Nuclear Safety and Security at the International Atomic Energy Agency. Nilsson is responsible for coordinating and implementing the IAEA's *Nuclear Security Plan* to prevent, detect and respond to acts of nuclear terrorism and threats thereof. Nilsson worked in various managerial and leadership positions at the Swedish Nuclear Power Inspectorate before joining the IAEA, dealing with nonproliferation, international and national safeguards, bilateral nuclear supply, and cooperation. She was in charge of the Swedish nuclear security support to the Newly Independent States and the Baltic States.

R. Rajaraman is one of India's leading theoretical physicists, Vice-President of the Indian National Science Academy, and Co-chair of the International Panel on Fissile Materials. Apart from his research publications in pure physics, he has been contributing articles to India's nuclear weapons debate since 1970 and has been a regular summer visitor with Princeton's Program on Science and Global Security since 2000. Since the South Asian nuclear tests in 1998 he has been devoting most of his time to nuclear policy analysis and public education.

Elizabeth Turpen is an associate at Booz Allen Hamilton (BAH). Prior to joining BAH, she was co-director of the Cooperative Nonproliferation Program at the Henry L. Stimson Center. Turpen also worked as a legislative assistant responsible for defense, nonproliferation and foreign affairs for Senator Pete V. Domenici (R-NM). Prior to coming to Washington in 1998, she was a consultant on nonproliferation policy, U.S.-Russia programs, and the national security implications of technological advances for a high tech company.

Rationale and Challenges of Eliminating the Civil Use of HEU

Rob Adam is Chief Executive Officer of the South African Nuclear Energy Corporation (Necsa), South Africa's statutory nuclear technology organization. He has held this position since 2006. Before joining Necsa, Adam was Director-General of the Department of Science and Technology, a position he held for seven years. In this capacity he was responsible for driving all major national science and technology initiatives of the South African government.

Thomas B. Cochran is a Senior Scientist in the Natural Resources Defense Council's (NRDC) nuclear program, which he directed until 2007, and holds the Wade Greene Chair for Nuclear Policy at NRDC. He has served as a consultant to numerous government and non-government agencies on energy, nuclear nonproliferation and nuclear reactor matters. Cochran has published numerous articles, working papers, and books, and is the recipient of the American Physical Society's Szilard Award and the Federation of American Scientists' Public Service Award, both in 1987.

Mark Fitzpatrick joined the International Institute for Strategic Studies in 2005 as a Senior Fellow for Nonproliferation after a 26-year career in the U.S. Department of State, where for the previous ten years he focused on nonproliferation issues, including as acting Deputy Assistant Secretary for Nonproliferation. Fitzpatrick has lectured throughout Europe, North America, and Asia and is a frequent commentator on proliferation and disarmament topics on BBC, NPR, and other news outlets.

Ole Reistad is a research scientist, teaching in nuclear engineering at the University of Oslo, and advising the Norwegian Radiation Protection Authority in safety-related matters. Reistad's work has focused primarily on the security and safety issues posed by the spent Russian naval nuclear fuel and retired Russian submarines on Russia's Kola Peninsula, HEU minimization, and security and disarmament verification. Reistad is a member of the International Panel for Fissile Materials (IPFM).

Defining a "Next Generation Nuclear Security Initiative": Where Do We Go from Here?

O'Neil Hamilton is the Regional Implementation Coordinator for United Nations Security Council Resolution 1540 in the Caribbean Community (CARICOM) member states. Hamilton has served CARICOM in a range of areas, including special advisor to the Bureau of CARICOM's Council of Ministers Responsible for National Security and Law Enforcement, advisor to CARICOM's Ministerial Sub-committee on Resource Mobilization for Crime and Security, and CARICOM's Ad Hoc Committee on Security for CWC 2007. During his tenure at Jamaica's Ministry of National Security, Hamilton was responsible for the development and coordination of all outreach initiatives on behalf of the Government of Jamaica aimed at building strategic security relationships with international organizations as well as partner governments and defense ministries.

Caroline Jorant has worked for AREVA as Director for Nonproliferation and International Institutions since 2002. Altogether she has worked 13 years with the nuclear industry, in charge of international and intergovernmental nuclear framework first at Cogema and then at AREVA. Previously, Jorant was appointed as a nuclear advisor at the French Representation to the European Union where she served as a diplomat for five years. Prior to that, she had worked in different positions for the Commissariat à l'Énergie Atomique, where she focused the relationship between France and other European Countries and Euratom. Jorant is member of the Standing Advisory Group to the IAEA's Director General on Safeguards Implementation.

Ariel Levite is a Nonresident Senior Associate at the Carnegie Endowment for International Peace. He is also a member of the IISS Council and on the Board of Directors of the Fisher Brothers Institute for Air and Space Strategic Studies. Prior to joining the Carnegie Endowment, Levite was the Principal Deputy Director General for Policy at the Israeli Atomic Energy Commission and held several other positions in the Israeli government. Before his government service, Levite worked for five years as a senior research associate and head of the project on Israeli security at the Jaffee Center for Strategic Studies at Tel Aviv University.

Kenneth N. Luongo is the President and founder of the Partnership for Global Security. Luongo previously served as the Senior Advisor to the Secretary of Energy for Nonproliferation Policy, the Director of the Department of Energy's North Korea Task Force, and the Director of the Russia and Newly Independent States Nuclear Material Security Task Force. Luongo has also held several staff member positions in the U.S. Congress and was a Senior Visiting Fellow and Visiting Research Collaborator with Princeton University's Program on Science and Global Security.