



STIMSON

## **Weapons of Mass Destruction: Challenges and Solutions**

Awards Ceremony for the UNSCR 1540 International Student Essay Contest at  
Harvard University, Cambridge, MA  
*September 30, 2016*

### Keynote Speakers

**Ambassador Román Oyarzun Marchesi** is Chair of the 1540 Committee and Permanent Representative of Spain to the United Nations, New York. He also is Chair of the UN Security Council Committee established pursuant to resolution 1718 (2006) relating to DPRK sanctions and is the Security Council Facilitator for the implementation of resolution 2231 (2015) regarding the Joint Comprehensive Plan of Action (JCPOA) with Iran. He has an extensive diplomatic and foreign service career, having served as Ambassador to Argentina and as Deputy Permanent Representative to the United Nations in New York. Appointed Deputy Director-General for Protocol in the Ministry of Foreign Affairs and Cooperation in 2006, Ambassador Oyarzun was previously Minister-Counsellor at Spain's Permanent Mission in New York beginning in 2001. During an earlier stint in Argentina, he was Deputy Head of Mission in Buenos Aires beginning in 1998. Mr. Oyarzun was Chef de Cabinet to the Deputy Minister of Foreign Affairs for International Cooperation and Latin America in 1996, and Deputy Director-General for Disarmament and Non Proliferation, also in the Foreign Ministry, in 1994. His previous foreign experience includes service as a Counsellor in Brussels (1991) and Deputy Head of Mission in Uruguay (1987) and Syria (1985). In 1985, he served as Director and Chief of the Diplomatic Secretariat in the Cabinet of the Minister for Foreign Affairs. Holding a Degree in Law from Deusto University, Mr. Oyarzun also holds a Master in International Relations from the Diplomatic School.

**Mr. Kim Won-soo** assumed his position as United Nations Under Secretary-General and High Representative for Disarmament Affairs on 1 June 2015. Prior to taking on this post, Mr. Kim served as Assistant-Secretary-General and Special Adviser to the Secretary-General since January 2007. In that capacity, he worked as the Deputy Chef de Cabinet to the Secretary-General from 2007 to 2012, led the Change Implementation team from May 2012 to September 2013 and concurrently served as the Secretary of the Chief Executives Board for coordination, which is composed of the executive heads of the UN system including the Bretton Woods institutions, from September 2013 to May 2014. Mr. Kim has also served as Ambassador of the Republic of Korea leading the Transition Team for the eighth Secretary-General of the United Nations (October through December 2007). Mr. Kim brings diplomatic and policy experience of over 37 years, both bilateral and multilateral, beginning in 1978 when he joined the Ministry of Foreign Affairs.

## Participant Biographies

(In alphabetical order)

**Dr. Matthew Bunn** is a Professor of Practice at the Harvard Kennedy School. His research interests include nuclear theft and terrorism; nuclear proliferation and measures to control it; the future of nuclear energy and its fuel cycle; and innovation in energy technologies. Before coming to Harvard, Bunn served as an adviser to the White House Office of Science and Technology Policy, as a study director at the National Academy of Sciences, and as editor of *Arms Control Today*. He is the author or co-author of more than 20 books or major technical reports (most recently *Transforming U.S. Energy Innovation*), and more than one hundred articles in publications ranging from *Science* to *The Washington Post*. He is an elected Fellow of the American Association for the Advancement of Science and is a member of the US Department of Energy's Nuclear Energy Advisory Committee.

**Dr. Andrew Castiglioni** is a Principal Biologist in Argonne National Laboratory's Center for Strategic Security. Dr. Castiglioni joined Argonne in 2011 after holding research positions in both academia and industry, including in a startup biopharmaceutical company. Dr. Castiglioni presently uses his scientific training to produce technically grounded, easily understood analyses to inform nontechnical policy makers and policy implementers responsible for several national and international security challenges. He received a B.S. in Biochemistry from Tufts University, a Ph.D. in Biology from Brown University, and pursued postdoctoral research at Northwestern University.

**Mrs. Debra Decker** is a senior advisor at Stimson Center's Managing Across Boundaries initiative. She has more than 20 years of private and public sector experience in strategy planning and implementation and is a subject matter expert in the field of risk management. Over the last 10 years, she has consulted for the FBI, US Department of Homeland Security, US Defense Department and other organizations on: threats stemming from weapons of mass destruction, the vulnerabilities of critical infrastructure, and the requirements for public resilience – and written widely on these topics. She is a member of the Board of Governors of the Washington Foreign Law Society and has been a research associate at Harvard's Belfer Center for Science and International Affairs.

**Mr. Craig Finkelstein** is a Political Adviser at the United States Mission to the United Nations in New York and is the Chair of the 1540 Committee's Working Group 4 on Transparency and Media Outreach. He has degrees from James Madison University and George Mason University.

**Mr. Gary Gregg** is a member of the Board of Directors of the Stimson Center in Washington, DC, and has served on Stimson's [Partners in Prevention Task Force](#) that looked at ways to close security gaps in global trade by better leveraging market incentives. He is currently a Director of Aspen Holdings, Ltd. (NYSE: AHL), a Bermuda-based global insurance and reinsurance provider, and serves as Chair of its Risk Committee. He also serves as a Director and Executive Committee member of the Museum of Science in Boston, and is Chair of its Finance Committee. After a 32-year career with KPMG and the Liberty Mutual Group, he retired in 2011 as President and CEO of Liberty Mutual Agency Corporation.

**Mr. José Javier Gutiérrez Blanco-Navarrete** is Counsellor, Permanent Mission of Spain to the United Nations, New York. Mr. Gutiérrez joined the Spanish Foreign Service in 1997. Since 2013, he has been serving at the Spanish Mission to the UN, where he is Coordinator for Non-Proliferation and Sanctions.

Among other responsibilities, he oversees the two UN Security Council Committees that Spain Chairs (1540 on proliferation of weapons of mass destruction; and 1718 on sanctions regarding DPRK) and the facilitation of UN Security Council resolution 2231 regarding Iran and the JCPOA. He has been Deputy Head of Mission in New Delhi and Nouakchott, Deputy Consul General in Jerusalem and Political Counsellor in Brasilia. In Madrid, he has served as Advisor to the Secretary of State for Foreign Affairs and Desk Officer for North Africa. He holds a degree in law and M.A. in International Politics.

**Ambassador Jouni Laaksonen** currently holds the post of Deputy Permanent Representative of Finland to the United Nations in New York. Ambassador Laaksonen, a career diplomat since 1997, has previously served, among other things, as Diplomatic Advisor to the Speaker of Parliament of Finland, Deputy Permanent Representative of Finland to the Organisation for Security and Co-operation in Europe (OSCE), Advisor to the Secretary General of the OSCE, and held positions in the Finnish Missions in Ankara and Vienna. Ambassador Laaksonen holds a Master's degree in Political Science from the University of Helsinki.

**Dr. Dana Perkins** served as a member of the US delegation to the Biological Weapons Convention (2008-2011) and as an advisor to the former Secretary of State Hillary Rodham Clinton for the 7th Review Conference of the Biological Weapons Convention. In 2012-2013, Dr. Perkins served in a US Government-seconded position as an Expert with the UN Security Council 1540 Committee. She currently works as a Senior Science Advisor with the Office of the Assistant Secretary for Preparedness and Response at the US Department of Health and Human Services providing subject matter expertise, inter-agency coordination, and senior-level policy advice on biosafety, biosecurity, and biodefense related to national and international public health emergency preparedness and response.

**Dr. Michael D. Rosenthal** is a Member, Group of Experts, on the Committee Established Pursuant to Security Council Resolution 1540 (2004). He has an extensive background in nuclear non-proliferation and international security issues, especially the Nuclear Non-proliferation Treaty (NPT), the International Atomic Energy Agency (IAEA), and international safeguards. He worked on these issues at Brookhaven National Laboratory, the US Department of State and the US Arms Control and Disarmament Agency (ACDA). He was head of the State Department's Office of Multilateral Nuclear Affairs and a member of the Senior Executive Service. Dr. Rosenthal also served two tours of duty at the IAEA, one in the Department of Safeguards and one in the Department of Nuclear Sciences and Applications. Dr. Rosenthal holds a Ph.D. in Physics from Cornell University and is a Fellow of the American Physical Society.

**Dr. Gary Samore** is the Executive Director for Research at the Belfer Center for Science and International Affairs at the Kennedy School of Government at Harvard University. In December 2015, he was appointed a member of the Secretary of Energy Advisory Board under Secretary Ernest Moniz. He is also a non-resident Senior Fellow at the Brookings Institution and member of the advisory board for United Against Nuclear Iran, a non-profit organization that seeks to prevent Iran from acquiring nuclear weapons. He served for four years as President Obama's White House Coordinator for Arms Control and Weapons of Mass Destruction (WMD), including as US Sherpa for the 2010 Nuclear Security Summit in Washington, DC, and the 2012 Nuclear Security Summit in Seoul, Korea. As WMD Coordinator, he served as the principal advisor to the President on all matters relating to arms control and the prevention of weapons of mass destruction proliferation and WMD terrorism, and coordinated United States government activities,

initiatives, and programs to prevent proliferation and WMD terrorism and promote international arms control efforts. Previously, Dr. Samore was Special Assistant to the President and Senior Director for Nonproliferation and Export controls during the Clinton Administration.

**Mr. Terence Taylor** is the Coordinator of the Group of Experts supporting the UN Security Council Committee established by Security Council Resolution 1540 (2004). He is the founding President of the International Council for the Life Sciences (ICLS). Previously he was Vice-President, Global Health and Security, at the Nuclear Threat Initiative (NTI), President and Executive Director of the International Institute for Strategic Studies – US (IISS-US) and, earlier, Assistant Director with IISS at its London headquarters. He has substantial experience in international security policy matters as a UK government official and for the United Nations both in the field and at UN Headquarters. He was a member of the US Institute of Medicine’s Standing Forum on Microbial Threats and a Science Fellow at Stanford University’s Center for International Security and Cooperation. He was a career officer in the British Army with experience in many parts of the world including UN peacekeeping, counter-insurgency and counter-terrorism operations.

**Mr. William Tobey** is Senior Fellow, Belfer Center for Science and International Affairs, Harvard University. From 2006 to 2009, he was Deputy Administrator for Defense Nuclear Nonproliferation at the National Nuclear Security Administration. There, he managed the US government's largest program to prevent nuclear proliferation and terrorism by detecting, securing, and disposing of dangerous nuclear material. Mr. Tobey also served on the National Security Council Staff under three presidents, in defense policy, arms control, and counter-proliferation positions. He has participated in international negotiations ranging from the START talks with the Soviet Union to the Six Party Talks with North Korea. He also has ten years of experience in investment banking and venture capital. He currently serves on the US Secretary of State’s International Security Advisory Board and the Nuclear and Radiation Studies Board of the National Academies of Sciences Engineering and Medicine. He chairs the board of the World Institute for Nuclear Security.

**Dr. Jim Walsh** is Senior Research Associate at the Massachusetts Institute of Technology’s Security Studies Program (SSP). Dr. Walsh's research and writings focus on international security, and in particular, topics involving nuclear weapons, the Middle East, and East Asia. Dr. Walsh has testified before the United States Senate and House of Representatives on issues of nuclear terrorism, Iran, and North Korea. He is one of a handful of Americans who has traveled to both Iran and North Korea for talks with officials about nuclear issues. His recent publications include “Stopping North Korea, Inc.: Sanctions Effectiveness and Unintended Consequences” and “Rivals, Adversaries, and Partners: Iran and Iraq in the Middle East” in *Iran and Its Neighbors*. He is the international security contributor to the NPR program “Hear and Now,” and his comments and analysis have appeared in many outlets. Previously, Dr. Walsh was Executive Director of the Managing the Atom project at Harvard University’s John F. Kennedy School of Government and a visiting scholar at the Center for Global Security Research at Lawrence Livermore National Laboratory.