

A Novel Means for Deterring Nuclear Terrorism: The Case of DPRK
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About the Speakers

Expert Panel

Michael Krepon
Mary Beth Nikitin
Joseph Pilat
Adam Scheinman

Brett Isselhardt
Jamus Lim
Bethany Lyles
David Palkki
Lawrence Rubin
Lisa Saum
Seth Snider
Dane Swango

Keynote Speaker

Andrew Semmel

Student Panelists

Daniel Chivers
Monti Datta

Advisors

Joseph McGhee
Susan L. Shirk

Brett Isselhardt is a Ph.D. student in the nuclear engineering department at UC Berkeley. His research interests revolve around the security of nuclear materials with a focus on advanced mass spectrometry methods, and national security policy. He is currently supported by the Student Employee Graduate Research Fellowship program at Lawrence Livermore National Laboratory. Before starting at Berkeley, Isselhardt received his BS in Physics with Honors from Westmont College and spent a year in industry developing technology for lithium ion batteries and fuel cell catalysts.

Michael Krepon is co-founder and president emeritus of the Henry L. Stimson Center in Washington, D.C. Prior to co-founding the Stimson Center, Krepon worked at the Carnegie Endowment for International Peace, the U.S. Arms Control and Disarmament Agency during the Carter administration, and in the U.S. House of Representatives, assisting Congressman Norm Dicks. He received an M.A. from the School of Advanced International Studies, Johns Hopkins University, and a B.A. from Franklin & Marshall College. He also studied Arabic at the American University in Cairo, Egypt. Krepon is the author or editor of eleven books and over 350 articles. Selected publications include *Escalation Control and the Nuclear Option in South Asia* (Stimson Center, 2004), *Nuclear Risk Reduction in South Asia* (Palgrave, 2004), *Cooperative Threat Reduction, Missile Defense and the Nuclear Future* (Palgrave, 2003), and *Space Assurance or Space Dominance: The Case Against Weaponizing Space* (Stimson Center, 2003).

Joseph R. McGhee is a former foreign service officer with over twenty years of experience in international affairs. As IGCC's Washington representative, McGhee works to increase IGCC's profile within the policy community and serves as IGCC's liaison in Washington, D.C. He designs, implements, and manages IGCC outreach activities, programs, and fundraising initiatives in Washington, D.C., for the U.S. Congress, government agencies, nongovernmental and other organizations, academic institutions, and other foreign policy-related organizations. McGhee also identifies and develops funding sources for UC system-wide fellowships, projects, and programs

Mary Beth Nikitin is a fellow in the CSIS International Security Program, where she concentrates on issues related to preventing weapons of mass destruction proliferation and terrorism. She is coordinator of the Strengthening the Global Partnership project, a consortium of 23 research institutes in 18 European, Asian, and North American countries working to build political and financial support for G-8 efforts to reduce the dangers of nuclear, biological, and chemical weapons. Other CSIS projects she has been involved with include the Congressional Proliferation Prevention Forum, the Heading Off an Iranian Nuclear Weapons Capability project, the Changing Face of Proliferation, and the South Asian Nuclear Risk Reduction Centers.

Nikitin has worked at the UN Department for Disarmament Affairs in New York and at the Center for Nonproliferation Studies in Monterey, where she was program associate for the Nonproliferation Education group and the International Organizations and Nonproliferation project. She regularly publishes and presents her research at international conferences. She received her master's degree at the Monterey Institute of International Studies and her bachelor's degree from Dartmouth College.

Joseph Pilat is with the Nonproliferation and International Security Division of Los Alamos National Laboratory, Los Alamos, New Mexico. He was a special advisor to the Department of Energy's representative at the Third Review Conference of the Nuclear Non-Proliferation Treaty (NPT), and served as representative of the Secretary of Defense to the Fourth NPT Review Conference and as an adviser to the U.S. delegation at the 1995 NPT Review and Extension Conference. Dr. Pilat also served as representative of the Secretary of Defense to the Open Skies negotiations. He has been special assistant to the principal director and assistant for nonproliferation policy in the Office of the Deputy Assistant Secretary of Defense for Negotiations Policy, a senior research associate in the Congressional Research Service and a research associate at the International Institute for Strategic Studies in London.

Dr. Pilat has taught in the Department of Government of Cornell University and the College of William and Mary, and in the Department of History of Georgetown University. He has been a senior associate member of St. Antony's College, Oxford University, a visiting fellow at Cornell's Peace Studies Program and a Philip E. Mosely Fellow at the Center for Strategic and International Studies.

Dr. Pilat has lectured widely at academic and policy institutions. He has written numerous articles and opinion pieces for U.S. and European scholarly journals and newspapers, and is the author or editor of many books, including *Beyond 1995: The Future of the NPT Regime* (1990), and *1995: A New Beginning for the NPT* (1995).

Adam Scheinman is assistant deputy administrator for nonproliferation and international security in the Department of Energy's National Nuclear Security Administration (NNSA). In this position, he has responsibility for all nonproliferation policy, arms control, and regional security programs. Prior to this, Scheinman held the position of policy director in the same office, where he was responsible for coordinating research, policy programming, and outreach. From January 2001 through March 2005, Scheinman was director of the NNSA Office of Export Control Policy and Cooperation. From June 1998 through December 2000, he served as special assistant to the Assistant Secretary of Energy for Nonproliferation and National Security, where he coordinated all aspects of the department's nonproliferation and arms control agenda. From November 1995 through June 1998, Scheinman was a foreign affairs specialist in the DOE International Policy and Analysis Division, where he was lead officer for the Fissile Material Cutoff Treaty, the Comprehensive Test Ban Treaty, and South Asian regional affairs.

Prior to joining the Department of Energy, Scheinman held positions with non-governmental organizations specializing in nuclear nonproliferation and arms control. He has also published a number of scholarly articles in the field and is co-editor of *At the Nuclear Crossroads: Choices About Nuclear Weapons and the Extension of the Nuclear Non-Proliferation Treaty* (1995).

Scheinman graduated from Cornell University in 1987, where he received a Bachelor of Arts degree. He received a Master of Arts degree from the George Washington University Elliot School of International Affairs in 1990.

Andrew K. Semmel is Acting Deputy Assistant Secretary for Nuclear Nonproliferation Policy and Negotiation at the U.S. Department of State. His primary responsibilities include the development and execution of policies and initiatives to stem the spread of nuclear weapons and associated technologies and know-how, including export controls.

From September 2001 to January 2003, Semmel served as the executive director of the U.S.–China Security Review Commission, a bipartisan government commission of twelve private citizens appointed by the Congressional leadership. He was responsible for the commission's public hearings, research, briefings, foreign travel, and preparation of an annual report of findings and recommendations to the Congress on the security implications of economic and financial relations between the United States and China. He was on the personal staff of Senator Richard G. Lugar from 1987 to 2001, where he served as the senator's senior legislative assistant for foreign policy.

Semmel has authored or co-authored publications on diverse foreign policy and national security issues. He has served as president of the comparative foreign policy section of the International Studies Association and the governing board of the International Studies Association. He received his Ph.D. from the University of Michigan and has been a tenured associate professor of political science at the University of Cincinnati. He has also been an adjunct visiting professor in the Master of Science in Foreign Service Program (MSFS) at Georgetown University in Washington, D.C.

In 1981, Semmel took a position with the Department of Defense as a foreign affairs specialist in the Defense Security Assistance Agency (DSAA). He served as chief of the analysis division of DSAA until he moved to the Senate Foreign Relations Committee in February 1985, where he had primary responsibility for U.S. security assistance legislation, arms sales, and related foreign policy and national security issues.

IGCC Director Susan L. Shirk is an Asia specialist, with an emphasis on Chinese politics, U.S.-China relations, and Pacific international affairs. Shirk is professor of political science at the Graduate School of International Relations and Pacific Studies (IR/PS) at UC San Diego. A former director of IGCC (1991–1997), Shirk accepted an assignment at the U.S. Department of State in 1997, where she served as deputy assistant secretary for China in the Bureau of East Asian and Pacific Affairs. Shirk is the author of *How China Opened Its Door: The Political Success of the PRC's Foreign Trade and Investment Reforms* and *The Political Logic of Economic Reform in China*, and editor of *Power and Prosperity: Economic and Security Linkages in the Asia Pacific*. Shirk returned from her three-year term at the U.S. State Department in 2000 to become an IGCC research director. She was reappointed IGCC director in July 2006.