Comparing Defense Innovation in the United States, China, Russia, and India

Speaker Biographies

**Dmitry (Dima) ADAMSKY** is Associate Professor at the Lauder School of Government, Diplomacy and Strategy at the IDC Herzliya, and is a Head of the BA Honors Track in Strategy and Decision Making. Prior to joining the school in 2010, he has been a pre- and post-doctoral fellow at Harvard University, a visiting fellow at the Institute of War and Peace Studies, Columbia University and at the Norwegian Institute for Defense Studies. His research interests include international security, strategic studies, cultural approach to international relations, modern military thought, nuclear strategy, American, Russian and Israeli national security policy. He has published on these topics in *Foreign Affairs, Journal of Strategic Studies, Intelligence and National Security, Studies in Conflict and Terrorism, Journal of Cold War History,* and *Defense and Security Studies.* His books *Operation Kavkaz* (Hebrew) and *The Culture of Military Innovation* (Stanford University Press) earned the annual (2006 and 2012) prizes for the best academic works on Israeli security. In addition to his academic career, in his positions in the Israeli Ministry of Defense and the IDF, Dr. Adamsky has carried out intelligence analysis and strategic policy planning. In the latter capacity, he served as assistant secretary of the committee charged with formulating Israel’s national security concept.

**Richard A. BITZINGER** is a Senior Fellow and Coordinator of the Military Transformations Program at the S. Rajaratnam School of International Studies at Nanyang Technological University, where his work focuses on security and defense issues relating to the Asia-Pacific region, including military modernization and force transformation, regional defense industries and local armaments production, and weapons proliferation. Mr. Bitzinger has written several monographs and book chapters, and his articles have appeared in such journals as *International Security, the Journal of Strategic Studies, Orbis, China Quarterly,* and *Survival.* He is the author of *Towards a Brave New Arms Industry?* (Oxford University Press, 2003), “Come the Revolution: Transforming the Asia-Pacific’s Militaries,” *Naval War College Review* (Fall 2005), *Transforming the U.S. Military: Implications for the Asia-Pacific* (ASPI, December 2006), and “Military Modernization in the Asia-Pacific: Assessing New Capabilities,” *Asia’s Rising Power* (NBR, 2010). He is also the editor of *The Modern Defense Industry: Political, Economic and Technological Issues* (Praeger, 2009). Mr. Bitzinger was previously an Associate Professor with the Asia-Pacific Center for Security Studies (APCSS), Honolulu, Hawaii, and has also worked for the RAND Corporation, the Center for Strategic and Budgetary Affairs, and the U.S. Government. In 1999-2000, he was a Senior Fellow with the Atlantic Council of the United States. He holds a Master degree
from the Monterey Institute of International Affairs and has pursued additional postgraduate studies at the University of California, Los Angeles.

Tai Ming CHEUNG is the director of the University of California-wide Institute on Global Conflict and Cooperation and the leader of IGCC’s Minerva project “The Evolving Relationship Between Technology and National Security in China: Innovation, Defense Transformation, and China’s Place in the Global Technology Order.” He is also an Associate Professor in Residence, at the School of International Relations and Pacific Studies, University of California, San Diego. Dr. Cheung is a long-time analyst of Chinese and East Asian defense and national security affairs, especially defense economic, industrial and science and technological issues. He is the author of Fortifying China: The Struggle to Build a Modern Defense Economy (Cornell University Press, 2009), which examines the economic, commercial and technological foundations of China’s long-term defense modernization that examines the development of the defense industrial complex, the role and prospects for civilian-military integration, and the military dimensions of science and technology policies. He is also the editor of Forging China’s Military Might: A New Framework for Assessing Science, Technology, and the Role of Innovation (John Hopkins University Press, forthcoming).

Jacques S. GANSLER is a Professor and holds the Roger C. Lipitz Chair in Public Policy and Private Enterprise in the School of Public Policy, and is the Director of the Center for Public Policy and Private Enterprise. Additionally, he is the Glenn L. Martin Institute Fellow of Engineering at the A. James Clarke School of Engineering, and an Affiliate Faculty member at the Robert H. Smith School of Business (all at the University of Maryland). He also served as Interim Dean of the School of Public Policy from 2003-2004, and as the Vice President for Research for the University of Maryland from 2004-2006. Previously, Dr. Gansler served as the Under Secretary of Defense for Acquisition, Technology and Logistics 1997-2001. Prior to this appointment, he was Senior Vice President and Corporate Director for TASC, Incorporated, and served in the government as Deputy Assistant Secretary of Defense (Materiel Acquisition), and as Assistant Director of Defense Research and Engineering (Electronics). His prior industrial experience includes positions at I.T.T., Singer Corporation, and Raytheon Corporation. Additionally, Dr. Gansler was a Visiting Scholar at the Kennedy School of Government, Harvard University from 1984-1997. He is the author of 5 books (The Defense Industry (1980); Affording Defense (1989); Defense Conversion (1995); Democracy’s Arsenal (2011) [all MIT Press]; and Ballistic Missile Defense (2010) [NDU Press]; a contributing author of 25 other books; author of over 100 papers; and a frequent speaker and Congressional witness.

Dr. Gansler holds a BE in Electrical Engineering from Yale University, a MS in Electrical Engineering from Northeastern University, a MA in Political Economy from The New School for Social Research, and a Ph.D. in Economics from American University.
Eugene GHOlz is an Associate Professor of Public Affairs in the Lynden B. Johnson School of Public Affairs at the University of Texas at Austin. He works primarily at the intersection of national security and economic policy. From 2010-2012, he served in the Pentagon as Senior Advisor to the Deputy Assistant Secretary of Defense for Manufacturing and Industrial Base Policy, where he led initiatives to better understand the complex defense supply chain and to apply that understanding in the budget process. He also focused on policy regarding reimbursement of industry's Independent Research and Development (IR&D) expenditures. Before working in the Pentagon, he directed the Lynden B. Johnson School's master's program in global policy studies from 2007–10.

Dr. Gholz works on innovation, defense management, and U.S. foreign policy. He is the coauthor of two books: Buying Military Transformation: Technological Innovation and the Defense Industry, and U.S. Defense Politics: The Origins of Security Policy. His recent scholarship focuses on energy security. He previously taught at the University of Kentucky's Patterson School of Diplomacy and International Commerce. He is also a research affiliate of MIT's Security Studies Program, a member of the Council on Foreign Relations, and associate editor of the journal Security Studies. His PhD is from the Massachusetts Institute of Technology.

Timothy D. Hoyt is Professor of Strategy and Policy and the John Nicholas Brown Chair of Counterterrorism Studies at the U.S. Naval War College in Newport, Rhode Island, where he has taught for twelve years. Dr. Hoyt earned his undergraduate degrees from Swarthmore College and his Ph.D. in International Relations and Strategic Studies from The Johns Hopkins University's Paul H. Nitze School of Advanced International Studies in 1997. Before joining the Naval War College, he taught at Georgetown University's School of Foreign Service. Dr. Hoyt is the author of Military Industries and Regional Defense Policy: India, Iraq and Israel, and over 40 articles and chapters on international security and military affairs. Recent publications include chapters and articles on the war on terrorism in South Asia, the limits of military force in the global war on terrorism, the impact of culture on military doctrine and strategy, military innovation and warfare in the developing world, U.S.–Pakistan relations, the impact of nuclear weapons on recent crises in South Asia, and the strategic effectiveness of terrorism. Dr. Hoyt served previously as Co-Chairman of the Indian Ocean Regional Studies Group at the Naval War College. He is currently working on a multi-volume study of the strategy of the Irish Republican Army from 1913-2013, a series of projects examining U.S. relations with India and Pakistan, and analyses of military capability, irregular warfare and terrorism in South Asia.

Vasily Kashin is a senior research fellow at the Center for Analysis of Strategies and Technologies (CAST) in Moscow. Prior to his position with CAST, he was deputy chief of the Beijing office of the Russian Information Agency (RIA) Novosti. From 2001-2009 he was a senior researcher at the Center for Research of Russian-Chinese Relations at the Institute for Far Eastern Studies in Moscow. He has also worked for Vedomosti business newspaper as the deputy editor of the international department. Kashin has served as an attaché for the Foreign Affairs Ministry of Russia in Mongolia. He
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**Jianwei LIU** is a research fellow in the Institute of Defense Economics and Management, Central University of Finance and Economics, China. He holds a PhD in International Relations from Fudan University. His research interests include economic sanctions, nuclear non-proliferation and China’s diplomacy. He currently oversees the research project “A Comparison of Economic Sanctions among the United States, the European Union and Russia” funded by the China Ministry of Education. His recent papers include “Is China an Emerging Sanctioning State?”, “Why International Sanctions Do Not Work: From the Perspective of Unintended Consequences” and “Changes in China’s Non-proliferation Policy.”


**Thomas G. MAHNKEN** is the Jerome E. Levy Chair of Economic Geography and National Security at the U.S. Naval War College and a Visiting Scholar at the Philip Merrill Center for Strategic Studies at The Johns Hopkins University’s Paul H. Nitze School of Advanced International Studies (SAIS). Dr. Mahnken served as the Deputy Assistant Secretary of Defense for Policy Planning from 2006-2009. He is the author of *Competitive Strategies for the 21st Century: Theory, History, and Practice* (Stanford University Press, 2012), *Technology and the American Way of War Since 1945* (Columbia University Press, 2008), *Uncovering Ways of War: U.S. Intelligence and Foreign Military Innovation, 1918-1941* (Cornell University Press, 2002), and (with James R. FitzSimonds) *The Limits of Transformation: Officer Attitudes toward the Revolution in Military Affairs* (Naval War College Press, 2003). He edits *The Journal of Strategic Studies*. He earned his master’s degree and doctorate in international affairs from the John’s Hopkins School of Strategic and International Studies and was a National Security Fellow at the John M. Olin Institute for Strategic Studies at Harvard University. He was a *summa cum laude* graduate of the University of Southern California with bachelor’s degrees in history and international relations (with highest
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Richard McCormick is the Special Assistant for Tactical Analysis to the Director, Defense Advanced Research Projects Agency’s (DARPA) Tactical Technical Office (TTO). He assists the TTO Director through independent research and recommendations to ensure DARPA’s investment strategy supports the technology community’s needs for new high risk-high payoff research and innovation to meet the challenges posed by the quickly changing and complex geopolitical trends and threats. Prior to his current position, Richard served as a Special Assistant for Space Activities to the DARPA Director, where he guided DARPA’s focused investment in advancing cutting edge space science and technology. He also oversaw DARPA’s international cooperation with foreign governments and universities. Following serving 20 years active duty service in the Air Force, he was appointed in 1989 as the Deputy Assistant Secretary of the Air Force for Space Plans and Policy. In this capacity, he advised the Assistant Secretary of the Air Force (Space)/Director of the National Reconnaissance Office on all space-related activities and represented him in the senior corporate Air Force decision processes and with outside agencies, including NASA, the Departments of Transportation and Commerce, and the Executive Office of the President. Richard is the recipient of the Presidential Rank of Meritorious Executive in the Senior Executive Service. He has a Bachelor of Science degree in Electrical Engineering from Virginia Military Institute and a Master's Degree in Engineering Administration from George Washington University.

Deba R. Mohanty is the CEO of Indicia Research and Advisory and Vice President and one of the founding members of the Society for the Study of Peace and Conflict. His areas of research interests include arms trade, military industry, higher military management, national security, international security and foreign policy. He holds an MPhil Degree in Disarmament Studies from Jawaharlal Nehru University, New Delhi. He was a Senior Fellow at Observer Research Foundation (2006 – 2012); Associate Fellow at the Institute for Defence Studies and Analyses (1997 – 2006); British Chevening Research Fellow at King’s College London (1995 – 1997). He has been a Ford Foundation Visiting Fellow at Bonn International Centre for Conversion (BICC: 2002-03); Senior Visiting Fellow at Department of Peace Studies, University of Bradford (2005); Senior Visiting Fellow at European Union Institute for Security Studies (EUISS: 2009).

He has also been a columnist for Financial Express (India) and Military Technology (Germany) for many years. His major academic publications, among others, include a book titled Arming the Indian Arsenal (New Delhi: Rupa Publishers, 2009) and a monograph titled “India-US Defense Relations” (New Delhi: Observer Research Foundation, 2011). He has more than forty research publications to his credit. He has extensively travelled and lectured in India and at several international institutions in UK, France, Germany, Singapore, Thailand and China.
Andrew L. Ross is Director of the Center for Science, Technology, and Policy; Director of Special Science, Engineering, and Policy Research Initiatives in the Office of the Vice President for Research; and Professor of Political Science at the University of New Mexico (UNM). He leads UNM’s University Strategic Partnership with the Defense Threat Reduction Agency and serves as the program manager for UNM’s Educational Partnership Agreement with the Air Force Research Laboratory. Dr. Ross is also the founder and chair of the New Mexico Nuclear Study Group.

Professor Ross arrived at UNM in 2005 after sixteen years at the U.S. Naval War College, where he served as a Research Professor in the Strategic Research Department (SRD) of the College’s Center for Naval Warfare Studies; Director of Studies, SRD; Director of the College’s project on "Military Transformation and the Defense Industry After Next;" Acting Director of the Advanced Research Program; Co-Lead of the post-9/11 Strategy Task Group; Professor of National Security Affairs in the National Security Decision Making Department; and Secretary of the Navy Senior Research Fellow. He received the Department of the Navy Meritorious Civilian Service award in 2002.

Professor Ross’ work on U.S. grand strategy, national security and defense planning, regional security, weapons proliferation, and security and economics has appeared in numerous journals and books. His current work focuses on the U.S. grand strategy debate, military innovation, and nuclear policy, strategy, and force structure. He earned his MA and PhD at Cornell University and his BA, summa cum laude, at American University and has held fellowships at Cornell, Princeton, Harvard, and the University of Illinois.