



U.S.-INDIA STRATEGIC DIALOGUE 2017

July 12-14, 2017 | New Delhi, India



Programme Agenda

Wednesday, 12 July 2017

Location: Sakya Room, ITC Maurya, Diplomatic Enclave, Sardar Patel Marg, New Delhi

- 1900 - 1930 Welcome Reception
1930 - 2100 Inaugural Dinner Session

“India-U.S. Strategic Partnership: Looking Back, Looking Ahead”

Dr. Shashi Tharoor, Chairman of the Parliamentary Standing Committee on External Affairs, in-conversation with Dr. Samir Saran, Vice President, Observer Research Foundation

Thursday, 13 July 2017

Location: Tian Room, ITC Maurya, Diplomatic Enclave, Sardar Patel Marg, New Delhi

- 0930 - 1000 Arrival
- 1000 - 1015 Welcome Remarks
 Dr. S. Paul Kapur, Professor, Naval Postgraduate School
 Dr. Samir Saran, Vice President, Observer Research Foundation
- 1015 - 1130 Panel 1: U.S.-India Relations Under Trump/Modi
 During the George W. Bush and Barack Obama administrations, United States-India relations flourished, leading to unprecedented levels of cooperation between the two countries. What impact is the election of President Donald Trump likely to have on the U.S.-India relationship? Will the relationship continue to progress as before? How productively have Prime Minister Modi and President Trump, both of whom depart in significant ways from the traditional political mold, been able to work together? How likely are they to work well together in the future?
 India speaker: Dr. Harsh V. Pant, Distinguished Fellow, and Head, Strategic Studies Programme, ORF
 U.S. speaker: Dr. Sumit Ganguly, Professor, Indiana University
 Discussant: Dr. Constantino Xavier, Fellow, Carnegie India
- 1130 - 1145 Break

- 1145 - 1300 Panel 2: United States-India Maritime Security Cooperation
- How can the United States and India cooperate to promote their strategic interests in the maritime domain? What are the primary challenges that they face in doing so? What are their most important opportunities? What additional exercises, training engagements, or foundational agreements could bolster cooperation between the U.S. and Indian navies? What role can bilateral or multilateral relationships and engagement play in improving security and stability in the Indo-Asia-Pacific region?
- India speaker: ADM (ret.) Arun Prakash, Former Chief of the Naval Staff of the Indian Navy and Chairman, Chiefs of Staff Committee
- U.S. speaker: RDML (ret.) William McQuilkin, Former Director, U.S. Navy Strategy and Policy Division (OPNAV N51)
- Discussant: Mr. Abhijit Singh, Senior Fellow and Head, Maritime Policy Initiative, ORF
- 1300 - 1400 Lunch
- 1400 - 1515 Panel 3: South Asian Regional Stability
- What are the main challenges to, and sources of, stability in the South Asian regional security environment, at both the conventional and nuclear levels? What role do external actors, such as China, and smaller regional actors, such as Sri Lanka and Bangladesh, play in South Asian security? What implications do the United States' policies and force postures in Afghanistan have for the region?
- India speaker: Amb. Leela Ponappa, Former Deputy National Security Advisor, India
- U.S. speaker: Dr. Joshua White, Johns Hopkins School of Advanced International Studies, and former Senior Advisor & Director for South Asian Affairs, National Security Council
- Discussant: Mr. Dhruva Jaishankar, Fellow, Brookings India
- 1515 - 1530 Break

1530 - 1645

Panel 4: The United States Nuclear Posture Review

The United States is currently conducting a Nuclear Posture Review (NPR), to be released later this year. It completed its last NPR in 2010. What was India's assessment of the 2010 Review? What strategic implications will the new Review have for India? What provisions would India like to see in the upcoming NPR, and what does it hope that the NPR will avoid? What implications does the United States' concurrent Ballistic Missile Defense Review, also to be completed this year, have for India?

India speaker: Lt Gen (ret.) SL Narasimhan, Member, National Security Advisory Board, India

U.S. speakers: Dr. S. Paul Kapur, Professor, Naval Postgraduate School
Mr. Vincent Manzo, Center for Naval Analysis and
Former Senior Advisor in the Office of the Undersecretary
of Defense for Policy, Nuclear and Missile Defense Policy

Discussant: Lt Gen (ret.) B.S. Nagal, Director, Centre for Land Warfare Studies (CLAWS)

1900 - 2100

Dinner

Friday, 14 July 2017

- 0930 – 1000 Arrival
- 1000 – 1115 Panel 5: Nuclear Safety and Security
- What are the central challenges that the United States and India perceive in the areas of nuclear safety and security? Are there ways in which the U.S. and India can cooperate to enhance nuclear safety and security, particularly in areas such as facility protection and transportation security; personnel reliability programs; and emergency response and consequence management? What is the scope and objective of Prime Minister Modi's WMD Terrorism Summit, scheduled for 2018? Following the recent series of Nuclear Security Summits, what next steps can the international community take toward institutionalizing and improving nuclear safety and security regimes?
- India speaker: Dr. Rajeshwari Rajagopalan, Senior Fellow and Head,
Nuclear & Space Policy Initiative, ORF
- U.S. speaker: RADM (ret.) Joseph Krol, U.S. Navy, and former Associate
Administrator, National Nuclear Security Administration's
Office of Emergency Operations
- Discussant: Amb. Rakesh Sood, Distinguished Fellow, ORF
- 1115 – 1130 Break
- 1130 – 1145 Closing Remarks
- Dr. S. Paul Kapur, Professor, Naval Postgraduate School
- Dr. Samir Saran, Vice President, Observer Research Foundation
- 1200 – 1330 Lunch

Participant Bios

Dr. S. Paul Kapur

Professor, Department of National Security Affairs, Naval Postgraduate School

S. Paul Kapur is a professor in the Department of National Security Affairs at the U.S. Naval Postgraduate School. He is also an Affiliate at Stanford University's Center for International Security and Cooperation, and a Visiting Fellow at the Observer Research Foundation, New Delhi. Previously, he was on the faculties of the U.S. Naval War College and Claremont McKenna College and was a visiting professor at Stanford. His research and teaching interests include nuclear weapons proliferation, deterrence, Indian Ocean regional security, and the international security environment in South Asia.



Kapur is author of *Jihad as Grand Strategy: Islamist Militancy, National Security and the Pakistani State* (Oxford University Press, 2016); *Dangerous Deterrent: Nuclear Weapons Proliferation and Conflict in South Asia* (Stanford University Press, 2007) and co-author of *India, Pakistan, and the Bomb: Debating Nuclear Stability in South Asia* (Columbia University Press, 2010). His articles have appeared in leading journals such as *International Security*, *Security Studies*, *Asian Survey*, *Washington Quarterly*, and in a variety of edited volumes. Kapur also manages a number of consultancy and engagement projects for the U.S. Department of Defense. He received his Ph.D. from the University of Chicago and his B.A. from Amherst College.

Dr. Samir Saran

Vice President, Observer Research Foundation (ORF)

Samir Saran is Vice President of the Observer Research Foundation, New Delhi. He spearheads ORF's outreach and business development activities. He curates Raisina Dialogue, India's annual flagship platform on geopolitics and geo-economic, and chairs CyFy, India's annual conference on cyber security and internet governance.



Samir is a frequent commentator on issues of global governance and is featured regularly in Indian and international print and broadcast media. Some of his academic publications include India's Climate Change Identity: Between Reality and Perception (Palgrave 2016); "New Norms for a Digital Society" (ORF Special Report, 2016); "India's Contemporary Plurilateralism" in Oxford University Press Handbook on India's Foreign Policy (2016); "Navigating the Digital Trilemma" in the latest CyFy Digital Debates, of which he is the editor; and New Room to Manoeuvre: An Indian Approach to Climate Change (Global Policy-ORF Series, 2015). Samir's doctoral studies were on Indian attitudes towards climate change at the Global Sustainability Institute, UK.

Samir is Commissioner, The Global Commission on the Stability of Cyberspace, and member of the South Asia advisory board of the World Economic Forum as well as part of its Global Future Council on Cybersecurity. He is Director of the Centre for Peace and Security at the Sardar Patel Police University, Jodhpur, India.

Dr. Harsh Pant

Distinguished Fellow, Observer Research Foundation (ORF)

Professor Harsh V. Pant is a Distinguished Fellow and Head of ORF's Strategic Studies programme. He holds a joint appointment with the Department of Defence Studies and King's India Institute as Professor of International Relations. He is also a Non-Resident Fellow with the Wadhvani Chair in U.S.-India Policy Studies at the Center for Strategic and International Studies, Washington, D.C. Professor Pant has been a Visiting Professor at the Indian Institute of Management, Bangalore; a Visiting Fellow at the Center for the Advanced Study of India, University of Pennsylvania; a Visiting Scholar at the Center for International Peace and Security Studies, McGill University; and an Emerging Leaders Fellow at the Australia-India Institute, University of Melbourne. Professor Pant's current research is focused on Asian security issues. His most recent books include *The U.S. Pivot and Indian Foreign Policy* (Palgrave Macmillan), *Handbook of Indian Defence Policy* (Routledge), *India's Afghan Muddle* (HarperCollins), and *The U.S.-India Nuclear Pact: Policy, Process and Great Power Politics* (Oxford University Press). Professor Pant writes regularly for various Indian and international media outlets including the *Japan Times*, the *Wall Street Journal*, the *National* (UAE), the *Hindustan Times*, and the *Telegraph*.



Dr. Sumit Ganguly

Professor of Political Science, Indiana University, Bloomington

Sumit Ganguly is a Professor of Political Science, holds the Rabindranath Tagore Chair in Indian Cultures and Civilizations and directs the Center on American and Global Security at Indiana University, Bloomington. A specialist on the international and comparative politics of South Asia he has previously taught at James Madison College of Michigan State University, at Hunter College of the City University of New York, the School of Public and International Affairs at Columbia University and the University of Texas at Austin. In the spring quarter of 2014 he was the Visiting Buffet Professor of International Studies at Northwestern University. He has also been a Fellow and a Guest Scholar at the Woodrow Wilson International Center for Scholars in Washington, D.C., a Visiting Fellow at the Center on International Security and Cooperation as well as the Center on Democracy, Development and the Rule of Law at Stanford University. In 2010 he was a Distinguished Visiting Fellow at the Institute of Defense Studies and Analysis in New Delhi.



Professor Ganguly is the author, co-author, editor or co-editor of twenty books on the contemporary domestic and international politics of South Asia. He currently serves on the editorial boards of the, *Asian Security*, *Current History*, *The India Review*, *International Security*, *Journal of Democracy*, *The Nonproliferation Review* and *Pacific Affairs*. Professor Ganguly is also an Associate Editor of *Security Studies*. He is a member of the Council on Foreign Relations (New York) and a Senior Fellow at the Foreign Policy Research Institute in Philadelphia. His book (with William Thompson and Karen Rasler), *How Rivalries End* (University of Pennsylvania Press, 2014) won the triennial J. David Singer Book Award from the International Studies Association Midwest Section. In 2015 he published the *Oxford Short Introduction to Indian Foreign Policy* and the edited collection *Engaging the World: Indian Foreign Policy Since 1947*. His most recent book is *Deadly Impasse: India and Pakistan at the Dawn of a New Century* (Cambridge University Press, 2016). He is also the co-author (with William R. Thompson) of *Ascending India and Its State Capacity* to be published in 2017 by Yale University Press.

Dr. Constantino Xavier

Fellow, Carnegie India

Constantino Xavier is a fellow at Carnegie India, based in New Delhi. His research focus is on India's foreign policy, with emphasis on relations with its neighboring countries and South Asian regional security.

Previously, he worked at the Brookings Institution, in Washington, D.C., as a media correspondent in South Asia, and as an adviser to the Embassy of Portugal in New Delhi during the presidency of the European Union. He contributed to the *Oxford Handbook of Indian Foreign Policy* (2015), and his comments on South Asian strategic affairs have been published in *Foreign Policy*, the *National Interest*, and various academic journals and media outlets.

He has held fellowships at the Institute for Defence Studies and Analyses and the Observer Research Foundation in New Delhi, and his research has been funded by awards from the United States Fulbright program and the Indian Council for Cultural Relations.

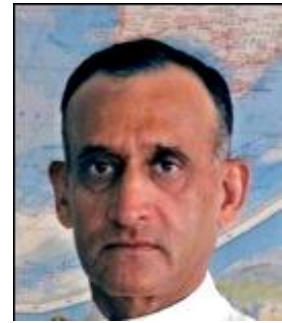
He holds a Ph.D. in South Asian studies from the Johns Hopkins University, School of Advanced International Studies.



ADM (ret.) Arun Prakash

Former Chief of the Naval Staff of the Indian Navy and Chairman, Chiefs of Staff Committee

Admiral Arun Prakash retired as the 20th Naval Chief and Chairman Chiefs of Staff in end-2006. A naval-aviator by specialization, he has held appointments in command of ships, air squadrons and a naval air station. In flag-rank he commanded the Eastern Fleet, the National Defence Academy, the Andaman & Nicobar Joint Command and the Western Naval Command. He headed the Aviation and Personnel Branches of the navy and served as Vice Chief before taking over as CNS in 2004. Post-retirement he served two terms as member of the National Security Advisory Board, and was Chairman of the National Maritime Foundation. Currently, he holds a Distinguished Chair at India's Naval War College and is a Distinguished Fellow of the Delhi Policy Group. Settled in Goa, he writes and speaks on strategic and maritime affairs.



RDML (ret.) William C. McQuilkin

Former Director, Strategy and Policy Division, Office of the Chief of Naval Operations (OPNAV N51)

William McQuilkin is a retired U.S. naval officer and a former Director of the U.S. Navy's Strategy and Policy Division (OPNAV N51) from 2013-2016 where he led the drafting and publishing of "A Cooperative Strategy for 21st Century Seapower", the fundamental roadmap for the U.S. Navy's future. He was the Commander, U.S. Naval Forces Korea from 2011-2013, where he was tasked with deterring aggression from North Korea and improving combined maritime warfighting readiness in the Korean theater. He has commanded three U.S. Navy warships with multiple overseas deployments including command of the Aegis cruiser USS *Gettysburg* where he served as Air Defense Commander in the Persian Gulf in support of Operations Iraqi Freedom and Enduring Freedom. He has served as Deputy Director of Operations in the National Military Command Center inside the Pentagon, where he was an advisor to the Chairman of the Joint Chiefs of Staff and first responder to worldwide events. While on active duty, Rear Admiral McQuilkin made it a top priority to improve military-to-military relations with India. He continues to work very closely with Indian interlocutors on maritime security in the Indian Ocean Region publishing three papers dealing with the future of the Indian Navy in the past year.



Abhijit Singh

Senior Fellow, and Head, Maritime Policy Initiative, Observer Research Foundation (ORF)

A former naval officer, Abhijit Singh, Senior Fellow, heads the Maritime Policy Initiative at ORF. A maritime professional with specialist and command experience in front-line Indian naval ships, he has been involved in the writing of India's maritime strategy (2007). He is a keen commentator on maritime matters and has written extensively on security and governance issues in the Indian Ocean and Pacific littorals. His articles and commentaries have been published in the Asian Bureau for Asian Research (NBR), the Lowy Interpreter, the World Politics Review, the Diplomat and CSIS Pacific Forum.



Editor of two books on maritime security – *Indian Ocean Challenges: A Quest for Cooperative Solutions* (2013) and *Geopolitics of the Indo-Pacific* (2014) – Abhijit has published papers on India's growing maritime reach, security of sea-lines of communication in the Indo-Pacific region, Indian Ocean governance issues, and maritime infrastructure in the Asian littorals.

In 2010, he assisted the late Vice Admiral G. M. Hiranandani (Retd) in the authorship of the third volume of *Indian Naval History: Transition to Guardianship*.

Amb. Leela Ponappa

Former Deputy National Security Advisor, India

Ambassador Leela K. Ponappa was the Deputy National Security Advisor and Secretary, National Security Council Secretariat from May 2007 till October 2009. Ambassador Ponappa was a career diplomat and joined the Indian Foreign Service in 1970. Her last appointment was as Ambassador to the Netherlands and Permanent Representative to the Organisation for the Prohibition of Chemical Weapons. She was also Ambassador to Thailand and Permanent Representative of India to UNESCAP (2002-2004)

Earlier, at the Ministry of External Affairs in New Delhi, Ambassador Ponappa held several positions including Additional Secretary for Bangladesh, Sri Lanka, Myanmar and Maldives (1998-2001), Joint Secretary in charge of the Consular, Passport, Visa and Overseas Indians Division (1992-1994) and for the South Asian Association for Regional Cooperation (SAARC) from 1986-1990.

She was seconded to the faculty of the National Defence College, New Delhi, from 1995-1998 as Senior Directing Staff. She was Research Associate at the Centre for South and Southeast Asia, University of California, Berkeley. She also dealt with India's relations with Pakistan and Afghanistan from 1975-78 at the MEA. She has dealt with India's relations with its neighbours covering a wide range of issues including border negotiations; national security issues including terrorism and narcotics; sharing of river waters, disaster management and infrastructure projects; economic affairs including India-U.S. trade and investment, negotiation, and implementation of the India-Sri Lanka Free Trade Agreement; regional cooperation through SAARC, BIMSTEC, and UNESCAP.

Dr. Joshua White

Associate Professor, Johns Hopkins School of Advanced International Studies

Dr. Joshua T. White is Associate Professor of the Practice of South Asia Studies and Fellow at the Edwin O. Reischauer Center for East Asia Studies at Johns Hopkins SAIS.



Until January 2017, Dr. White served at the White House as Senior Advisor & Director for South Asian Affairs at the National Security Council, where he staffed the President and National Security Advisor on the full range of South Asia policy issues pertaining to India, Pakistan, Afghanistan, and the Indian subcontinent, and led efforts to integrate U.S. government policy planning across South and East Asia. While at the White House, Dr. White played an instrumental role in advancing the U.S.-India relationship, with a focus on deepened defense and security cooperation and expanded opportunities for trade and investment; sustained constructive U.S.-Pakistan ties on an array of counterterrorism, economic and regional issues; supported a sustainable security transition in Afghanistan; coordinated U.S. government plans to re-normalize ties with Sri Lanka after decades of civil war; and led a high-level government-wide effort to assess how the United States can effectively respond to the growing economic, political, and strategic linkages between South and East Asia.

Prior to joining the White House, Dr. White was a Senior Associate and Co-Director of the South Asia program at The Stimson Center and, previously, Senior Advisor for Asian and Pacific Security Affairs in the Office of the Secretary of Defense, a position he held in conjunction with an International Affairs Fellowship from the Council on Foreign Relations. While at the Pentagon he supported Deputy Secretary of Defense Ash Carter in advancing the U.S.-India Defense Technology and Trade Initiative, and advised on a broad set of defense issues related to the department's rebalance to the Asia-Pacific.

Dr. White has spent extensive time in Asia, and has written on a wide range of issues including defense policy, electoral politics, Islamic movements, and nuclear deterrence. He has held short-term visiting research fellowships at the Lahore University of Management Sciences, the International Islamic University in Islamabad, Pakistan's National Defence University, and the Institute for Defence and Strategic Analyses in Delhi; testified before Congress; and served on U.S.-sponsored election observer delegations to both Pakistan and Bangladesh. He graduated *magna cum laude*, Phi Beta Kappa from Williams College with a double major in history and mathematics, and received his PhD with distinction from Johns Hopkins SAIS.

Dhruva Jaishankar

Fellow, Brookings India

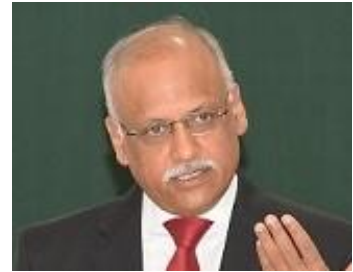
Dhruva Jaishankar is a Fellow in Foreign Policy Studies at Brookings India in New Delhi and the Brookings Institution in Washington, D.C. In this capacity, he manages Brookings India's activities related to international affairs and security. His research examines India's role in the international system and the effects of global developments on India's politics, economics, and society, with a particular focus on India's relations with the United States, Asia and the Indo-Pacific, and Europe.



He is a regular contributor to the Indian media, including *The Times of India*, *Economic Times*, *Mint*, and *Dainik Bhaskar*, and has contributed to several international publications, including *The Washington Post*, *Foreign Policy*, *The New York Times*, *The Atlantic*, *The Straits Times*, and *Survival*. He has also been featured in reports or broadcast programmes by the BBC, Bloomberg, Channel News Asia, The Financial Times, The New York Times, NPR, PBS, The Wall Street Journal, and The Washington Post.

Lt Gen (ret.) SL Narasimhan **Member, National Security Advisory Board**

Lt Gen SL Narasimhan, PVSM, AVSM**, VSM (Retd) is a Madras Regiment Officer and is a Maths graduate. He is a post graduate in Defence Studies and presently a PhD Candidate. He has seen action in Op PAWAN in 1987 in Sri Lanka and has a vast experience in Counter Insurgency Operations, Line of Actual Control and High Altitude Area environment. After having successfully commanded the largest Corps of the Army in the North East, Narasimhan attained super annuation after a successful stint as Commandant, Army War College. He is well accomplished in the Chinese language. Lt Gen S L Narasimhan has authored many articles in various journals and magazines. He is presently Member of the National Security Advisory Board.



Mr. Vincent Manzo

Center for Naval Analysis

Vincent Manzo works for the Center for Strategic Studies at the Center for Naval Analysis (CNA). Prior to joining CNA, Manzo worked as a Senior Advisor in the Office of the Undersecretary of Defense for Policy for Nuclear and Missile Defense Policy from October 2013 to May 2017. While at OSD-P, Manzo helped implement the 2013 Nuclear Employment Strategy. In this capacity, he educated senior Department leadership on escalation risks in confrontations with nuclear-armed adversaries and advanced public understanding of the United States' nuclear policy by preparing the Assistant Secretary of Defense for appearances in a number of venues, including the 2015 United National Nuclear Non-Proliferation Treaty Review Conference. He also directly supported Secretary of Defense Ashton Carter's 2016 Nuclear Enterprise trip, making key contributions to the Secretary's seminal speech on U.S. nuclear deterrence policy at Minot Air Force Base. Manzo received the Office of the Secretary of Defense Medal for Exceptional Public Service for his work on U.S. nuclear weapons policy, strategy and planning.



Manzo has previously held research positions at the Center for Strategic and International Studies and the Institute for National Strategic Studies at the National Defense University, and he has published articles in *Joint Forces Quarterly*, *Arms Control Today*, *The National Interest*, and *Defense One*. Manzo holds an M.A. degree in international relations from the School of Advanced International Studies at Johns Hopkins University and a B.A. in Political Science from Kenyon College.

Lt Gen (ret.) B.S. Nagal
Director, Centre for Land Warfare Studies
(CLAWS)



Lt. General (ret.) B.S. Nagal, Param Vishisth Seva Medal, Ati Vishisth Seva Medal, Sena Medal, an alumnus of the National Defence Academy, Indian Military Academy, and St. Thomas High School, Dehradun was commissioned in the Jat Regiment in 1970. In his professional career spanning more than 40 years in the Army and two years with the Prime Minister's Office (PMO), Lt Gen Nagal has teneted high-profile appointments including Chief Strategic Programme Staff, Commander-in-Chief of Strategic Forces Command, Director General Operational Logistics at the Indian Army HQ, commanded a pivot corps along Jammu and Kashmir Division and an Independent Mechanised Brigade Group along Western Sector.

Lt Gen Nagal is a graduate of Army Staff Course at Camberley, U.K.; Higher Command Course, Army War College, Mhow; and National Defence College, New Delhi. Lt Gen Nagal is a war veteran of 1971 Indo-Pak war and has extensive operational experience in Low Intensity Conflict, Operational Logistics, and Conventional Military Operations in almost all terrain obtainable in India.

Lt Gen Nagal has held various staff and instructional appointments. Some of the prestigious staff appointments held by him include Brigade Major of an Infantry Brigade, Colonel General Staff of Infantry Division and Brigadier General Staff of a Corps. Besides this, Lt Gen Nagal has held the appointment of GSO 1 at the Military Training Directorate and was responsible for conduct of promotion & competitive exam for Indian Army officer and as Additional Director General Complaints and Advisory Board handled the legal and redressal mechanism of Indian Army. He was instructor at NDA, IMA and Army War College.

As of 1 December 2014, Lt Gen Nagal took over as Director of CLAWS. His areas of interest are nuclear deterrence/doctrine/strategy/policy.

Dr. Rajeshwari Rajagopalan
Senior Fellow and Head, Nuclear & Space Policy
Initiative, Observer Research Foundation (ORF)



Dr. Rajeswari Pillai Rajagopalan is Senior Fellow and Head of the Nuclear and Space Policy Initiative at the Observer Research Foundation (ORF), New Delhi. Dr. Rajagopalan joined ORF after a five-year stint at the National Security Council Secretariat (2003-2007), where she was an Assistant Director. Prior to joining the NSCS, she was Research Officer at the Institute of Defence Studies and Analyses, New Delhi. She was also a Visiting Professor at the Graduate Institute of International Politics, National Chung Hsing University, Taichung, Taiwan in 2012.

She is the author of four books: *Nuclear Security in India* (2015), *Clashing Titans: Military Strategy and Insecurity Among Asian Great Powers* (2012), *The Dragon's Fire: Chinese Military Strategy and Its Implications for Asia* (2009), and *Uncertain Eagle: U.S. Military Strategy in Asia* (2009). She has also co-authored and edited five other books, including *Iran Nuclear Deal: Implications of the Framework Agreement* (2015). Her research articles have appeared in edited volumes and in peer-reviewed journals such as *India Review*, *Strategic Studies Quarterly*, *Air and Space Power Journal*, *International Journal of Nuclear Law*, *Strategic Analysis*, and *CLAWS Journal*. Other writings have appeared in the *Journal of Strategic Studies*, *Journal of Peace Research*, and *Contemporary South Asia*. She has also contributed essays to newspapers such as *The Wall Street Journal*, *Times of India*, *Hindustan Times*, *Economic Times*, and *Pioneer*. She has lectured at Indian military and policy institutions such as the Defence Service and Staff College (Wellington), National Defence College (New Delhi), Army War College (Mhow), and the Foreign Service Institute (New Delhi). She has been invited to speak at international fora including the UN COPUOS (Vienna), Conference on Disarmament (Geneva), UNIDIR (Geneva), ASEAN Regional Forum (ARF), and the European Union.

RADM (ret.) Joseph J. Krol

Former Associate Administrator for the Office of Emergency Operations, National Nuclear Security Administration (NNSA)

Joseph J. Krol, Rear Admiral, United States Navy (Retired), retired from his position as the Associate Administrator for NNSA's Office of Emergency Operations in 2014. In this role, he was the director of the Office of Emergency Operations, which is responsible for emergency management policy and execution of emergency management support across the Department of Energy's complex. Within the National Nuclear Security Administration, he also is responsible for emergency operations, involving nuclear and radiological emergencies, both within the United States and abroad.



Admiral Krol graduated from the United States Naval Academy in June 1967, and spent the next 36 years on active duty, retiring on June 1, 2003. He assumed his position with NNSA on January 11, 2004.

Throughout his naval career Admiral Krol had extensive experience in nuclear power and nuclear weapons as a nuclear submarine officer. He served in both nuclear fleet ballistic submarines and nuclear attack submarines. This experience included a wide variety of technical operations in support of complex overhauls of nuclear reactor plants and advanced technical support of nuclear weapons. Admiral Krol commanded two Los Angeles class nuclear attack submarines and a Nuclear Attack submarine squadron. He also served in senior management positions at Naval Reactors and the Bureau of Naval Personnel.

Upon attaining flag rank, he served in a senior intelligence position at the Pentagon, prior to a three-year tour in Japan, where he was in charge of submarine operations from Hawaii to the Suez Canal, an area that comprised over 40 percent of the world. His final active duty position was in the Pentagon, as both Deputy Director and Acting Director of worldwide operations and plans for the U.S. Navy. Admiral Krol is the recipient of numerous personal and unit awards as a result of his naval career.

Amb. Rakesh Sood,

**Distinguished Fellow, Observer Research Foundation
(ORF)**

Ambassador Rakesh Sood is a Distinguished Fellow at ORF. He has over 38 years of experience in the field of foreign affairs, economic diplomacy, and international security issues.

Ambassador Sood is a postgraduate in physics and in economics and defence studies, graduating Top of Form.



Before joining the Indian Foreign Service in 1976, he worked for several years in the private sector. He initially served in the Indian missions in Brussels, Dakar, Geneva, and Islamabad in different capacities and as Deputy Chief of Mission in Washington, D.C. later in his career. He set up the Disarmament and International Security Affairs Division in the Foreign Ministry, which he led for eight years until the end of 2000.

During this period, Ambassador Sood was in charge of multilateral disarmament negotiations; bilateral dialogues with Pakistan; strategic dialogues with other countries, including the U.S., U.K., France, and Israel (especially after the nuclear tests in 1998); and dealt with India's role in the ASEAN Regional Forum as part of the 'Look East' policy. He then served as India's first Ambassador – Permanent Representative to the Conference on Disarmament at the United Nations in Geneva. He also chaired a number of international working groups, including those relating to negotiations on landmines and cluster munitions. He was a member of UN Secretary General's Disarmament Advisory Board from 2002 to 2003.

Since his retirement, he has been writing and commenting regularly in both print and audio-visual media on India's foreign policy, its economic dimensions, and regional and international security issues. He is a frequent speaker and contributor at various policy planning groups and think tanks in India and overseas.



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