Historical Influence on Contemporary Chinese Grand Strategic Thinking on Science and Technology

SPEAKER BIOS

Cong CAO (Ph.D. in Sociology, Columbia University) is associate professor and reader at the School of Contemporary Chinese Studies, University of Nottingham. Educated in both China and the United States and in both the natural and social sciences, he has worked at the University of Oregon, the National University of Singapore, and the State University of New York.

As one of the leading scholars in the studies of China’s science, technology, and innovation, Dr. Cao is the author of China’s Scientific Elite (RoutledgeCurzon, 2004), a study of those Chinese scientists holding elite membership in the Chinese Academy of Sciences, and China’s Emerging Technological Edge: Assessing the Role of High-End Talent (with Denis Fred Simon, Cambridge University Press, 2009), the first in forty years to address these critical issues surrounding the quality, quantity, and effective utilization of China’s human resources in science and technology. Most recently, Dr. Cao has embarked on a project examining China’s biotechnology policy and participated in a study of the development of nanotechnology in China, both supported by the U.S. National Science Foundation.

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 (Johns Hopkins University Press, forthcoming).
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Charlotte FURTH is Professor Emerita in the Department of History, University of Southern California. She studies the late nineteenth and twentieth centuries to Ming-Qing period and beyond. Her abiding interests are found in the cultural studies of science and gender both together and separately. Current projects include an edited volume on Thinking With Cases: Specialist Knowledge in China’s Cultural History and an exploration of the neo-Confucian body through the life and work of Zhu Zhenheng, a 14th century physician.

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Alanna KROLIKOWSKI is the Princeton-Harvard China and the World Fellow at Harvard University’s Fairbank Center for Chinese Studies. She received her PhD in political science from the University of Toronto in 2013. Her doctoral dissertation examines industry integration and technical cooperation between the United States and China in commercial aircraft and spacecraft manufacture. While at the Fairbank Center, she will revise her dissertation into publications and begin research examining bilateral relations in other high-technology sectors. She has been a visiting scholar at the Chinese Academy of Social Sciences in Beijing and the Space Policy Institute of George Washington University in Washington, D.C. She has written articles and book chapters on Chinese and U.S. aeronautic and space policy and has testified for the Congressional Record before the U.S.-China Economic and Security Commission about China’s space activities.
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Lorge is one of the founders and a former executive board member of the Chinese Military History Society. He won the Harriet S. Gilliam Award for Excellence in Teaching in 2004, and has appeared on CNN to discuss Chinese military affairs.

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Miller first joined the Hoover Institution in 1999 as a visiting fellow. Prior to coming to Stanford, Miller taught at the School of Advanced International Studies (SAIS) at Johns Hopkins University. From 1980–90, she was a professorial lecturer in Chinese history and politics at SAIS. From 1990–2000, she was associate professor of China Studies and, for most of that period, director of the China Studies Program at SAIS. She also held a joint appointment as adjunct associate professor in the Department of Political Science at Johns Hopkins from 1996–99, and as adjunct lecturer in the Department of Government, Georgetown University from 1996–98. From 1974–90, Miller worked in the Central Intelligence Agency as a senior analyst in Chinese foreign policy and domestic politics, and branch and division chief, supervising analysis on China, North Korea, Indochina, and Soviet policy in East Asia. Miller has lived and worked in Taiwan, Japan, and the PRC, and she speaks Mandarin Chinese.

Miller’s research focuses on foreign policy and domestic politics issues in China and on the international relations of East Asia. She is currently working as editor and contributor to the China Leadership Monitor, which offers authoritative assessments of trends in Chinese leadership politics and policy to American policymakers and the general public.


Richard P. SUTTMEIER is professor of political science emeritus at the University of Oregon. He has written widely on science and technology development issues in China. His current research includes a study of China’s intellectual property strategy and an examination of the changing nature of China’s innovation system. Suttmeier’s interests in the role of science and technology in China-US relations, the role of technical standards in China’s technology policy, and Chinese approaches to the management of technological risks have led to the publications “From Cold War Science Diplomacy to Partnering in a Networked World: 30 Years of Sino-US Relations in Science and Technology”, Journal of Science and Technology Policy in China 1, 1, 2010; “The Sixth Modernization?’ China, Safety, and the Management of Risks” Asia Policy 6 (June 2008); “State, Self-Organization, and Identity in the Building of Sin-US Cooperation in Science and Technology” Asian Perspective 32, 1, 2008; and Standards, Stakeholders, and Innovation: China’s Evolving Role in the Global Knowledge Economy (with Scott Kennedy and Jun Su), National Bureau of Asian Research, September 2008. Suttmeier’s papers are available at http://china-us.uoregon.edu/papers.php.

Jay TAYLOR served as a U.S. Marine Corps pilot for four years, including service in Japan, and for 37 years was an American Foreign Service Officer, mostly on Chinese affairs, but also served in Ghana and South Africa. In addition, he was U.S. Consul for Sarawak, Sabah, and Brunei, chief of the U.S. mission in Cuba, and Deputy Assistant Secretary of State for Intelligence and Research. Since retirement he has concentrated on writing books and also writing, producing, and directing a PBS documentary, African and Afrikaner, broadcast in 2001. His most recent book, The Generalissimo, won the Gelber Prize for non-fiction in 2009. He is currently associate in research at Harvard University’s John Fairbank Center for Chinese Studies and has a BA from Vanderbilt and an MA in Far Eastern studies from the University of Michigan.

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From fall 1993 to fall 1995, Vogel served as the National Intelligence Officer for East Asia at the National Intelligence Council in Washington. He directed the American Assembly on China in November 1996 and the Joint Chinese-American Assembly between China and the United States in 1998.

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**Jim Williams** leads the energy and climate change track of the International Environmental Policy program at the Monterey Institute of International Studies. He has worked in the energy and climate change fields for more than 25 years as a researcher, teacher, and consultant. As a practitioner, Dr. Williams is a specialist in energy technologies, markets, and
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Dr. Williams is also Chief Scientist at Energy and Environmental Economics (E3). Prior to joining the Monterey Institute, he was lead analyst on the E3 team that analyzed implementation of California’s Global Warming Solutions Act (AB32) in the electricity and natural gas supply sectors for California state agencies. This work was a key analytical foundation for the AB32 Scoping Plan that lays out the step-by-step requirements for California to reduce its greenhouse gas emissions to 1990 levels by 2020.