

James Andrew Lewis
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James Andrew Lewis is a senior fellow and Program Director at CSIS where he writes on technology, security and the international economy. Before joining CSIS, he worked at the Departments of State and Commerce as a Foreign Service Officer and as a member of the Senior Executive Service. His government experience includes work on Asian politico-military issues, as a negotiator on conventional arms transfers, and on technology transfer. Lewis led the U.S. delegation to the Wassenaar Arrangement Experts Group on advanced civil and military technologies and was the Rapporteur for the UN's 2010 and 2012-13 Group of Government Experts on Information Security. He was also assigned to U.S. Southern Command for Operation Just Cause and the U.S. Central Command for Operation Desert Shield. Lewis received his Ph.D. from the University of Chicago.

Lewis is an internationally recognized expert on cybersecurity. His work on cybersecurity includes the best selling "Cybersecurity for the 44th Presidency," which was noted by President Obama in his first speech on cybersecurity. Recent reports include "Conflict and Negotiation in Cyberspace," "Why Privacy and Cyber Security Clash," "Competition in Cyberspace: The Asian Context," "Thresholds for Cyber Warfare," "A Note on the Laws of War in Cyberspace," "Deterrence and Credible Threats," "The 'Korean Cyber Attacks' and Their Implications for Cyber Conflict," "The Internet and Terrorism," "Multilateral Agreement to Constrain Cyber Conflict," and the groundbreaking 2003 report, "Assessing the Risk of Cyberterror and Cyberwar." Lewis is the U.S. lead for a long running Track II Dialogue on cybersecurity with the China Institutes of Contemporary International Relations.

Lewis has authored more than ninety publications since coming to CSIS exploring the relationship between technology, innovation, and national power. These include "Building an Information Technology Industry in China," "Innovation and Intellectual Property in the Knowledge Economy," "Waiting for Sputnik: Basic Research and Strategic Competition," and "Globalization and National Security." Another series of reports examined the role of space in national security. These include "China as a Military Space Power," "National Security Space and Space Power, 1945-2000," "Galileo and GPS: From Competition to Cooperation," "Climate Change and Earth Observation," "Between the U.S. and China: the Current Dynamics of Military Space," and "Preserving America's Strength in Satellite Technology,"

CSIS Programs are self-funded: Lewis has raised more than \$6 million at CSIS. His current research examines international security and governance in cyberspace, the relationship between innovation and technology, asymmetric warfare, and the effect of the internet on politics. Lewis is frequently quoted in the press, and has testified numerous times before Congress