

Curriculum Vitae

ANDREW L. ROSS

Brent Scowcroft Professor in International Policy Studies
Professor, Department of International Affairs
George H. W. Bush School of Government and Public Service
Texas A&M University

Contact Information:

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Education:

PhD	Political Science	Cornell University	1984
MA	Political Science	Cornell University	1981
BA	Political Science	American University	1976

Research & Teaching Interests:

Theory and Practice of International Relations
International and Regional Security Affairs
U.S. Grand Strategy
National Security and Defense Policy and Planning
Arms Control
Military Innovation and Technology
International & National Arms Markets
Security and Economics
Security and Development
Civil-Military Relations
Science & Technology Policy

Professional Academic Positions:

Texas A&M University:

- Brent Scowcroft Professor in International Policy Studies (1 March 2018 to present) and Professor (August 2014 to present), Department of International Affairs, George H. W. Bush School of Government and Public Service. Developed and taught INTA 606 International Politics in Theory and Practice (Fall 2015; Fall 2016; Fall 2017); INTA 689 National Security and Defense Planning (Fall 2014; Spring 2016; Spring 2017; Spring 2018); INTA 670-601 INTA Capstone: Cyber Security Norms, Governance and Deterrence, sponsored by the United States Cyber Command (Spring 2015); INTA 670-601 INTA Capstone: Nuclear Posture Review Workup, sponsored by the National Security Office, Los Alamos National Laboratory (Spring 2016); INTA 670-601 Capstone, Cyber Alternative Futures, sponsored by the United States Cyber Command (Spring 2017); INTA 670-601 Capstone, Nuclear Denial, sponsored by the Center for Global Security and Cooperation, Sandia National Laboratories (Spring 2018).
- Director, National Security Affairs Program, June 2015 to present.
- Senior Fellow, Institute for Science, Technology and Public Policy, 2014 to present.

University of New Mexico:

- Research Professor, Office of the Vice President for Research, August 2014 – May 2015.
- Director, Special Science, Engineering, and Policy Research Initiatives, Office of the Vice President for Research, 2009-2014. Led and managed institutional national security science and engineering programs: PI, University Strategic Partnership with the Defense Threat Reduction Agency; Program Manager, Educational Partnership Agreement with the Air Force Research Laboratory; OVPR lead, DOE NNSA M&O competition for Sandia National Laboratories.
- Director, Center for Science, Technology, and Policy (the program known until February 2006 as the Office for Policy, Security, and Technology), 2005-2014. Responsible for the development of research, education, and public engagement programs. As director, founded and chaired the New Mexico Nuclear Study Group, 2007-2014.
- Professor, Department of Political Science, University of New Mexico, September 2005-July 2014. Developed and taught POLS 400/512 International Relations: Theory and Practice (Spring 2006, Spring 2009); POLS 400/512 National Security and Defense Planning (Spring 2007, Spring 2008, Spring 2010, Spring 2011, Spring 2013; Spring 2014); POLS 552 Problems (international relations theory/international security directed reading; Spring 2008, Fall 2008, Fall 2009, Fall 2010, Spring 2011, Fall 2012, Spring 2013).

U.S. Naval War College:

- Professor of Strategic Studies, Strategic Research Department, Center for Naval Warfare Studies, Naval War College, 2000-2005. SRD Director of Studies, July 2002 to August 2004. Director, Defense Industry after Next project, August 2000-September 2002. Co-leader, with CAPT Bryan Lucas, USNR, Strategy Task Group for the global war on terror, September 2001-June 2002. Acting Director, Advanced Research Program, 2001-

02 Academic Year. Member, Eurasian Studies Group. Responsibilities also included developing and teaching elective course on International Relations: Theory and Practice (Spring 2003, 2005) and Directed Research Elective on the Global War on Terror, with Peter Dombrowski and CAPT Bryan Lucas, USN (Spring 2002).

- Professor of National Security Affairs, National Security Decision Making Department, Naval War College, 1991-2000. Responsibilities included developing and teaching NWC's core courses on Strategy and Force Planning (Fall 1992-Spring 2000) and Force Planning (Fall 1991-Spring 1992) and elective courses on International Relations: Theory and Practice, (Spring 1995, 1996, 1997, 1998, 1999, 2000) and Asian Politics, Economics, and Security (Spring 1992, 1993, 1994).
- Secretary of the Navy Senior Research Fellow, National Security Decision Making Department, Naval War College, 1989-1991. Responsibilities included research and developing and teaching course on Force Planning (Fall 1989, Fall 1990).

Assistant Professor, Department of Political Science, with a joint appointment in the Patterson School of Diplomacy and International Commerce, and Associate Member of the Graduate Faculty, University of Kentucky, 1986-1990 (on leave 1989-1990 academic year).

Responsibilities included developing and teaching the following courses: World Politics (Fall 1986, Spring 1987, Spring 1988, and Spring 1989), National Security Policy (Fall 1986, Fall 1987, and Fall 1988), Proseminar in Theories of International Politics (Fall 1987 and Fall 1988), Current Research in Political Science: International Security (Spring 1987 and Spring 1988), Current Research in Political Science: American Foreign Policy (Spring 1989).

Visiting Assistant Professor, Department of Political Science, University of Illinois, 1985-1986. Responsibilities included developing and teaching the following courses: The Emerging Nations (Fall 1985), Introduction to International Relations (Spring 1986), National Security Policy (Spring 1985), International Relations (Fall 1985).

Visiting Assistant Professor, Department of Political Science, Vassar College, 1984-1985. Responsibilities included developing and teaching the following courses: International Politics (Fall 1984 and Spring 1985), The Foreign Policy of the United States (Fall 1984), Seminar in International Political Analysis (Spring 1985).

Nonacademic Professional Experience:

Consultant, Social Science Department, RAND Corporation, 1980-1982.

Consultant in the Summer Student Program, RAND Corporation, Summer 1980. Worked with Arthur Alexander, Associate Head, Economics Department, on a study of defense industries in developing countries.

Professional Level Intern, GS-9, at the U.S. Arms Control and Disarmament Agency, Summer 1979. Worked with Maurice Eisenstein, Head, Technology Transfer Group, Bureau of Weapons

Evaluation and Control, on an interagency study of conventional arms production in developing countries.

Fellowships, Contracts, Grants, and Honors:

Principal Investigator, Lawrence Livermore National Laboratory contract award for National Security Affairs Program, 25 May 2018 to 31 July 2018 (\$186,807).

Appointed to the Brent Scowcroft Chair in International Policy Studies at the Bush School of Government and Public Service, Texas A&M University, effective 1 March 2018.

Principal Investigator, Lawrence Livermore National Laboratory contract award for National Security Affairs Program, 23 May 2017 to 31 August 2017 (\$165,818.00).

Principal Investigator, Sandia National Laboratories contract award for National Security Affairs Program, 12 May 2017 to 31 August 2017 (\$27,637.00).

Principal Investigator, Lawrence Livermore National Laboratory contract award for National Security Affairs Program, 9 June 2016 to 31 May 2017 (\$326,341).

Principal Investigator, Sandia National Laboratories contract award for National Security Affairs Program, 29 May 2016 to 29 May 2017 (\$100,619).

Principal Investigator, Lawrence Livermore National Laboratory contract award for National Security Affairs Program, 28 May 2015 to 31 May 2016 (\$325,658).

Principal Investigator, Sandia National Laboratories contract award for National Security Affairs Program, 1 June 2015 to 1 August 2016 (\$54,745).

Principal Investigator, Sandia National Laboratories contract award for Policy Research and Analysis of Critical National Issues, Sandia National Laboratories, 31 March 2015 to 31 September 2016 (\$60,000).

UNM lead and Technical Point of Contact for partnership with Applied Research Associates, the team lead, for five-year, \$4 B ceiling Defense Threat Reduction Agency Combating Weapons of Mass Destruction (CWMD) Research and Technology Development ID/IQ (indefinite delivery/indefinite quantity) contract award; contract signed 3 December 2013. (Handed off to OVPR upon my July 2014 departure from UNM).

Principal Investigator, Sandia National Laboratories contract award for National Security Policy Research and Analysis, 9 September 2013 to 8 September 2014 (\$132,556).

Principal Investigator, Defense Threat Reduction Agency contract award DTRA01-03-D-0009-0028, Strategic and Innovative Research, 14 February 2011 to 12 December 2011 (\$400,000).

Principal Investigator, Defense Threat Reduction Agency contract award DTRA01-03-D-0009-0027, Joint University Partnership Biological Threat Reduction Program, 4 July 2010 to 30 Sept 2013 (\$5,919,668).

Principal Investigator, Defense Threat Reduction Agency contract award DTRA01-03-D-0009-0026, University Strategic Partnership, Fundamental Research, 21 July 2010 to 30 April 2012 (\$3,599,328).

Principal Investigator, Defense Threat Reduction Agency contract award DTRA01-03-D-0009-0024, Subject Matter Expert Program, January 2010 to January 2013 (\$1,222,889).

“Limited Nuclear War Revisited,” USAF Institute for National Security Studies, awarded September 2009 (\$22,000).

Principal Investigator/Project Manager, Defense Threat Reduction Agency-funded project on WMD Threat Forecasting, July-December 2009 (assumed project lead 1 July 2009; joined project May 2008).

Principal Investigator, Defense Threat Reduction Agency contract award DTRA01-03-D-0009, for “Training and Education Alliance Subproject,” August 2008-August 2009 (\$162,152).

Award, Institute for Advanced Studies at Los Alamos National Laboratories, for "A CSTP / New Mexico Nuclear Study Group Workshop: What Role, If Any, for Nuclear Weapons?" September 2008 (\$13,502).

Principal Investigator, Sandia National Laboratories contract award, for “CSTP / New Mexico Nuclear Study Group Workshop,” June-September 2008 (\$88,267).

Co-PI, with Timothy Moy, Mark Ondrias, and Amelia Rouse, Interdisciplinary RAC Grant for “The Fine Structure of Public Attitudes about Evolutionary Biology,” University of New Mexico, February 2006.

Department of the Navy Meritorious Civilian Service Award, 6 September 2002. Awarded for leadership of the Naval War College's Strategy Task Group from 2001-2002. The Strategy Task Group developed a series of Newport Papers on the global war on terror for senior Navy leadership in Washington, DC.

Hugh G. Nott Prize for the best article in the *Naval War College Review* during the year 2001. Awarded 9 August 2002 for "Thinking About the Unthinkable: Unreasonable Exuberance?" *Naval War College Review*, Vol. LIV, No. 2 (Spring 2001), pp. 36-46.

Professional Achievement Award, Naval War College, 31 January 2002.

Jerome E. Levy Chair of Economic Geography & National Security, Naval War College. Appointed as the first holder of the Naval War College's first endowed chair on 15 June 1998. Held Levy Chair, a teaching position, until assuming a research position in the College's Center for Naval Warfare Studies in August 2000.

Academic Specialist Grant, United States Information Agency, to conduct a political science project in Argentina from 16 November to 2 December 1991.

Secretary of the Navy Senior Research Fellowship, Naval War College, 1989-1990 and 1990-1991 academic years.

Summer Faculty Research Fellowship, Office of the Dean of the Graduate School and Vice Chancellor for Research, University of Kentucky, Summer of 1988.

Grant for research project on "The International Arms Trade and Arms Acquisition in the Developing World: Arms Imports and Local Defense Production," Institute of Southeast Asian Studies, 1988.

Special Summer Faculty Research Fellowship from the Singletary Fund for Excellence, Office of the Dean of the Graduate School and Vice Chancellor for Research, University of Kentucky, Summer 1987.

Research Committee Grant, Office of the Dean of the Graduate School and Vice Chancellor for Research, University of Kentucky, Spring 1987.

New Prospect Foundation Postdoctoral Fellowship, Program in Arms Control, Disarmament, and International Security, University of Illinois, Summer 1985.

Olin Postdoctoral Fellowship, National Security Studies Group, Center for International Affairs, Harvard University, 1983-1984.

Olin Pre-Doctoral Fellowship, National Security Studies Group, Center for International Affairs, Harvard University, 1982-1983.

Research Grant from the Peace Studies Program, Cornell University, Fall 1982.

Hubert H. Humphrey Fellowship in Arms Control and Disarmament. Awarded by the U.S. Arms Control and Disarmament Agency, 1981-1982.

Honorary Graduate Student Research Associate in the National Security Studies Group, Center for International Affairs, Harvard University, 1981-1982 and 1982-1983.

Research Grant from the Institute for the Study of World Politics, 1980-1981. Funded dissertation research in Brazil, India, South Korea, and the Philippines.

John Parker Compton Pre-Doctoral Fellowship, Center of International Studies, Princeton University, 1980-1981.

Peace Studies Fellowship, Peace Studies Program, Cornell University, 1977-1978.

Summa Cum Laude graduate, American University, 1976.

Professional Activities:

Invited SME participant, U.S. Air Force Science and Technology 2030 Forum, U.S. Air Force Research Laboratory, hosted by the Texas A&M University System in College Station, TX, 28-29 June 2018.

Moderator, panel on “Centrally Planned, Authoritarian, and Developing Regimes,” workshop on “Comparing Defense Innovation in Advanced and Catch-up Countries,” organized by the University of California Institute on Global Conflict and Cooperation, the Johns Hopkins School of Advanced International Studies, and the Center for Strategic and Budgetary Assessments, and hosted by the Center for Strategic and Budgetary Assessments, Washington, DC, 3 May 2018.

Participant, the SMU, Texas A&M and UT Lone Star National Security Forum, Texas A&M University, College Station, TX, 20-22 April 2018.

Participant in the invitation-only workshop on “Cyberspace, Information Strategy, and International Security,” Center for Global Security Research, Lawrence Livermore National Laboratory (LLNL) on 27-28 February 2018.

Participant, Nuclear Posture Review Seminar, Center for the Study of Weapons of Mass Destruction, National Defense University, Fort Lesley J. McNair, Washington, DC, 16 February 2018.

Participant in the invitation-only U.S. Cyber Command first annual Cyberspace Strategy Symposium, National Defense University, Fort Lesley J. McNair, Washington, DC, 15 February 2018.

Discussant, sessions on “Developed and Market Regimes” and “Historical Perspectives and Emerging Technologies,” workshop on “Applying Lessons Learned from China to Understand How Other Countries become Military-Technological and Industrial Powers,” sponsored by the University of California Institute on Global Conflict and Cooperation (IGCC) and the Johns Hopkins School of Advanced International Studies, hosted by IGCC the University of California, San Diego, on 12-13 December 2017.

Participant in the invitation-only symposium on “Strengthening Deterrence for 21st Century Strategic Conflicts and Competition: Accelerating Adaptation and Integration,” Center for Global Security Research, Lawrence Livermore National Laboratory, 14-16 November 2017.

Chair, panel on “NATO and Transatlantic Security,” and discussant, panel on “All about Drones,” at the Annual Conference of the International Security Studies Section (ISSS) of the International Studies Association and the International Security and Arms Control (ISAC) section of the American Political Science Association, School of International Service, American University, Washington, DC, 13-14 October 2017.

Moderator, panel on “Emerging Arsenals in Asia,” Project on Nuclear Issues (PONI), 2017 Fall Conference, hosted by USAF Global Strike Command, Barksdale AFB, LA, 11-12 October 2017.

Discussant, panel on “Southeast Asian Military Evolutions: Role Retrenchment and Proxy Competition” (The Pacific Century? theme panel and Global South Caucus panel); Chair, roundtable on “The Theory and Practice of Military Innovation: Asia-Pacific Dynamics” (The Pacific Century? theme panel); and Discussant, panel on “North Korea and Nuclear Politics” (The Pacific Century? theme panel); at joint international conference—The Pacific Century?—of the International Studies Association and the Faculty of the Social Sciences & Department of Politics and Public Administration, University of Hong Kong, 15-17 June 2017, Hong Kong.

Participant, the SMU, Texas A&M and UT Lone Star National Security Forum, University of Texas, Austin, TX, 7-9 April 2017.

Chair and discussant, panel on “Military-Technological Innovation: Causes and Effects” at the 58th Annual Convention—“Understanding Change in World Politics”—of the International Studies Association, Baltimore, MD, 23-25 February 2017.

Bush School lead for the Cybersecurity of Critical Infrastructure Summit 2017, which was held at the Annenberg Presidential Conference Center at Texas A&M on January 11-13, 2017. Also served as moderator of the session on “Policy to Address Current and Future Threats.” This inaugural Texas A&M Cybersecurity Summit was funded by the Lynde and Harry Bradley Foundation and cosponsored by the Texas A&M Cybersecurity Center, the Texas A&M University Institute for Advanced Study, the College of Engineering / Texas A&M Engineering Experiment Station, and the Bush School of Government and Public Service.

Moderator, panel on “Securing Nuclear Materials and Facilities” and Moderator, “Minimal Deterrence” working group for breakout session on “Priorities for the Next Nuclear Posture Review, Center for Strategic & International Studies, Project on Nuclear Issues (PONI), 2016 Fall Conference, Sandia National Laboratories, Albuquerque, NM, 18-19 October 2016.

Moderator, panel on “Reform of the National Security Council” with Thomas Pickering and Mac Destler, General Brent Scowcroft Legacy Conference, Scowcroft Institute of International Affairs, George H.W. Bush School of Government and Public Affairs, Texas A&M University, College Station, TX, 26 April 2016.

Participant, the SMU, Texas A&M and UT Lone Star National Security Forum, John Tower Center for Political Studies, Southern Methodist University, Dallas, TX, 31 March –1 April, 2016.

Discussant, panel on “Grand Strategy as a Research Program: Trends and Prospects” and speaker, roundtable on “American Grand Strategy: 2016 and Beyond,” at the 57th Annual Convention—“Exploring Peace”—of the International Studies Association, Atlanta, GA, 16-19 March 2016, Atlanta. Also invited participant in Council on Foreign Relations luncheon session on “Preventing Catastrophic Nuclear Terrorism: A Conversation with Sam Nunn” at the ISA annual convention on 17 March.

Participant in the invitation-only Los Alamos and Lawrence Livermore National Laboratories annual conference on “Strategic Weapons in the 21st Century: Deterrence and Assurance in a Changed and Changing World,” Washington, DC, 21 January 2016.

Invited participant, Cyberspace and Deterrence Academic and Inter-Agency Symposium, Institute for Security and Conflict Studies, Elliott School of International Affairs, George Washington University, Washington, DC, 3 December 2015.

Co-chair, Cyber Warfare Roundtable, Student Conference on United States Affairs (SCUSA), United States Military Academy, West Point, NY, 4-7 November 2015.

Speaker, “Is America Losing the Cyber Battle?” a program sponsored by the Alexander Hamilton Society, Texas A&M University, 3 November 2015.

Discussant, panel on “Rethinking the U.S. Grand Strategy Debate” at the annual meeting of the American Political Science Association—“Politics and Political Science in the 21st Century”—in San Francisco, CA, 3-6 September 2015.

Invited moderator, panel on “Technological Threats & the Modern Nuclear Environment,” and facilitator, break-out session on “The Democratic People’s Republic of Korea,” Center for Strategic & International Studies, Project on Nuclear Issues (PONI), 2015 Summer Conference, Los Alamos National Laboratory, 23-24 June 2015.

Invited participant, 2015 Carnegie International Nuclear Policy Conference, Washington, DC, 23-24 March 2015.

Chair, roundtable on “Military Innovation: Theory, Practice and Implications,” 56th Annual Convention—“Global IR and Regional Worlds: A New Agenda for International Studies”—of the International Studies Association, New Orleans, LO, 18-21 February 2015.

Participant, Grand Strategy Program, Clements Center for History, Strategy and Statecraft, University of Texas, Austin, February-May 2015.

Participant in the invitation-only Los Alamos and Lawrence Livermore National Laboratories conference on “Strategic Weapons in the 21st Century,” Washington, DC, 22 January 2015.

Chair and discussant, panel on “Retrenchment,” 2014 Annual Conference of the International Security Studies Section of the International Studies Association and the International Security and Arms Control Section of the American Political Science Association, Lyndon B. Johnson School of Public Affairs, University of Texas at Austin, Austin, TX, 14-16 November 2014.

Speaker, panel on “Implications for the Defense Industry,” Seventh Annual Tower Center National Security Conference, “The United States and China: Strategy, Competition and Innovation,” John Goodwin Tower Center for Political Studies, Dedman College of Humanities and Sciences, Southern Methodist University, Dallas, TX, 5-6 November 2014.

Invited participant, Symposium on Civil-Military Relations and the Making of Strategy, Changing Character of War Programme, All Souls College, University of Oxford, 18 September 2014.

Speaker, CNAS Roundtable Discussion Marking the Launch of *On Limited Nuclear Warfare in the 21st Century* (Stanford University Press, Jeffrey A. Larsen and Kerry Kartchner, eds.), Center for a New American Security, 1 May 2014.

Invited participant, “Toward a ‘Red Theory of Victory’ in Limited Nuclear War,” a workshop organized by the Center for International Security and Cooperation, Stanford University, and the National Security Office, Los Alamos National Laboratory, Los Alamos, NM 19 February 2014.

Participant in the invitation-only Los Alamos and Lawrence Livermore National Laboratories conference on “Strategic Weapons in the 21st Century: Deterrence and Stability in Today’s Environment,” Washington, DC, 23 January 2014.

Invited participant, Nuclear Forces and Nonproliferation Workshop, sponsored by the Los Alamos National Laboratory and the Woodrow Wilson International Center for Scholars, Washington, DC, 20 November 2013.

Keynote speaker, “Defense and Military Innovation: An Analytical Framework,” for the International Forum on Science and Technology, Strategy and Security, Center for Defense Science and Technology Strategy, National University of Defense Technology, Changsha, Hunan, China, 24 October 2013.

Speaker, panel on “Revisiting the Theory and Practice of Limited Nuclear War,” and chair and discussant, panel on “Change and Continuity in the U.S. Military,” 2013 Annual Conference of the International Security Studies Section of the International Studies Association and the International Security and Arms Control Section of the American Political Science Association, Elliott School of International Affairs, George Washington University, Washington, DC, 4-6 October 2013.

Presenter, panels on “The State of the Field in the Research and Understanding of Defense Innovation,” “The State of Defense Innovation in the United States: How to Cope in an Age of Austerity,” and “What are the Trends and Prospects for Global Defense Innovation over the Next Ten Years? Perspectives from the U.S. China, India, and Russia,” and moderator, panel on “The State of Defense Innovation in India: Can It Catch Up with Global Leaders,” workshop on Comparing Defense Innovation in the United States, China, Russia, and India, UC Institute on Global Conflict and Cooperation, University of California, San Diego, 26-27 August 2013, and University of California Washington Center, Washington, DC, 29 August 2013.

Invited moderator, panel on “Nuclear Dynamics and Strategic Stability in Asia,” CSIS 2013 PONI Summer Conference, Sandia National Laboratories, 31 July-1 August 2013.

Speaker, roundtable on “The Role of US Military Power,” symposium on “American Structural Power and the International System,” LSE IDEAS, United States International Affairs Programme, London School of Economics, 8 May 2013.

Speaker and co-organizer (with Emily Goldman), roundtable on “Diffusion of Military Innovation: Drivers, Processes, Dynamics,” 54th Annual Convention—“The Politics of International Diffusion: Regional & Global Dimensions—of the International Studies Association, San Francisco, CA, 3-6 April 2013.

Chair and discussant, panel on “Missile Proliferation and Defense,” 54th Annual Convention—“The Politics of International Diffusion: Regional & Global Dimensions—of the International Studies Association, San Francisco, CA, 3-6 April 2013.

Invited participant, Nuclear Forces and Nonproliferation Workshop, sponsored by the Los Alamos National Laboratory and the Woodrow Wilson International Center for Scholars, Washington, DC, 28 November 2012.

Invited moderator, panel on “Pathways and Obstacles to Lower Numbers,” and moderator, breakout session on “What Should the U.S. Nuclear Force Structure be for 2020+,” CSIS, 2012 PONI Summer Conference, Los Alamos National Laboratory, 27-28 June 2012.

Chair, panel on “Nuclear Weapons: Proliferation or Taboo?” 53rd Annual Convention—“Power, Principles and Participation in the Global Information Age”—of the International Studies Association, San Diego, CA, 1-4 April 2012.

Discussant, panel on “Overstretched? American Military Strategy Today,” 53rd Annual Convention—“Power, Principles and Participation in the Global Information Age”—of the International Studies Association, San Diego, CA, 1-4 April 2012.

Speaker, roundtable on “Exploring the Origins and Implications of the Military-Industrial Complex,” American Political Science Association Annual Meeting, “The Politics of Rights,” Seattle, WA, 1-4 September 2011.

Presentation, “The Contemporary U.S. Nuclear Policy and Strategy Debate,” Los Alamos Committee on Arms Control and International Security, 28 July 2011, Los Alamos, NM.

Invited participant (funded), workshop on “What is ‘DARPA’ in Chinese: The Nature and Prospects for Radical Defense R&D and Innovation in China,” University of California Institute on Global Conflict and Cooperation, University of California, San Diego, La Jolla, CA, 29 June 2011.

Presentation, with Tai Ming Cheung and Thomas Mahnken, “A Framework for Understanding Defense Innovation,” Workshop on Chinese Military Innovation, University of California Institute on Global Conflict and Cooperation, University of California, San Diego, La Jolla, CA, 28-29 June 2011.

Invited moderator, panel on “Future Scenarios for Nuclear Strategists and Policymakers,” 2011 PONI (Project on Nuclear Issues) Spring Conference, Nevada Support Facility, Las Vegas, NV, 4-6 April 2011.

Discussant, panel on “The Strategic Value of Nuclear Weapons,” at the annual meeting of the International Security Studies Section of the International Studies Association and the International Security and Arms Control Section of the American Political Science Association, “International Security Beyond 9/11,” Providence, RI, 14-16 October 2010.

Invited participant (funded), “Strategic Stability at Low Numbers of Nuclear Weapons,” the annual Defense Threat Reduction Agency Advanced Systems and Concept Office Strategic Concepts Roundtable, organized by the USAF Institute for National Security Studies, USAFA, Colorado Springs, CO, 24-26 August 2010.

Co-organizer, “Implications of the Nuclear Posture Review,” a workshop co-hosted by the Center for Science, Technology, and Policy, the New Mexico Nuclear Study Group, and Sandia National Laboratories, 2 June 2010, Sandia National Laboratories, Albuquerque, NM. Provided presentation on “The NPR and the Contemporary Nuclear Policy and Strategy Debate.”

Invited participant (funded), workshop on “Arms Control 2010: On and Over the Horizon,” USAF Institute for National Security Studies, MacLean, VA, 21 May 2010.

Invited participant (funded), book workshop, “On Nuclear Warfare in the 21st Century,” USAF Institute for National Security Studies, Arlington, VA, 20 May 2010. Provided presentation on “Limited Nuclear War Revisited.”

Invited participant (funded), INSS Research Topic Development Workshop, USAF Institute for National Security Studies, 19 May 2010, Crystal City, VA.

Co-organizer, a joint Center for Science, Technology, and Policy, New Mexico Nuclear Study Group, and Sandia National Laboratories seminar on the Nuclear Posture Review, Sandia National Laboratories, Albuquerque, NM, 23 April 2010.

Speaker, panel on “New START, the Nuclear Posture Review, and Nonproliferation,” National Security Colloquium: Opportunities and Challenges, National Security Studies Program, University of New Mexico, 20 April 2010.

Invited participant (funded), “Advanced Science Research Requirements Workshop: Science to Support Verification and Compliance in Potential Mid- to Long-Range Treaty Regime Developments,” Defense Threat Reduction Agency, Department of Defense, and Bureau of Verification, Compliance, and Implementation, Office of Technology and Assessments, Department of State, Lorton, VA, 15-16 April 2010.

Chair and organizer of panel on “Future Nuclear Policy, Strategy, and Forces,” for the 51st Annual Convention—“Theory Versus Policy? Connecting Scholars and Practitioners”—of the International Studies Association, New Orleans, LA, 17-20 February 2010.

Chair and organizer of roundtable on “Nuclear Policy, Strategy, and Forces,” International Security Studies Section (ISSS) of the International Studies Association and International Security and Arms Control Section (ISAC) of the American Political Science Association Conference on “Insecurity and Durable Disorder: Challenges to the State in an Age of Anxiety,” sponsored by the Naval Postgraduate School and James Martin Center for Nonproliferation Studies, Monterey, CA, 15-17 October 2009.

Invited project participant (funded), Nuclear Futures Project, a collaborative effort between the Johns Hopkins University Applied Physics Laboratory (JHU/APL), the Paul H. Nitze School of Advanced International Studies, and the Zanvyl Krieger School of Arts and Sciences, 28-29 October, 29 September-1 October, and 19-21 August 2009 workshops. Provided presentation on “The Role of Nuclear Weapons in the Cold War” for 19-21 August workshop.

Participant (funded), conference on “Managing Nuclear Weapons: Reductions, Drawdown, and Elimination—What Makes Sense” Wilton Park, UK, in partnership with the Defense Threat Reduction Agency, Lawrence Livermore National Laboratory, and the USAF Institute for National Security Studies, 18-21 June 2009.

Member, National Media Information Program, The National Museum of Nuclear Science and History, Albuquerque, NM, April 2009-present.

Invited participant (funded), USAF Institute for National Security Studies “Topic Development Workshop,” Crystal City, VA, 23 April 2009.

Presentation on “The Role of Nuclear Weapons in International Politics,” Foreign Policy Research Institute’s Wachman Center’s History Institute on “Teaching the Nuclear Age,” cosponsored by the American Academy of Diplomacy and the Atomic Testing Museum, Las Vegas, NV, 28-29 March 2009.

Presentation on “U.S. Grand Strategy Challenges and Choices for the New Administration,” Humanist Society of New Mexico, 24 January 2009, School of Law, University of New Mexico, Albuquerque, NM.

Presentation on “U.S. Grand Strategy for the Next Administration: Beyond Strategic Triage,” Albuquerque Committee on Foreign Relations, 29 October 2008, Albuquerque, NM.

Organized the CSTP/New Mexico Nuclear Study Group workshop on “What Role, If Any, For Nuclear Weapons? (And Just How Many, If Any, Are Needed?),” 11-12 September 2008, Hyatt Regency Tamaya, Santa Ana Pueblo, New Mexico.

Invited participant, 7th Annual Strategic Concepts Roundtable, “Arms Control in the 21st Century: Framing the Issues,” sponsored by the Defense Threat Reduction Agency, Advanced Systems and Concepts Office, and hosted by the Air Force Institute for National Security Studies, USAF Academy, Colorado Springs, CO, 12-14 August 2008.

Invited participant, Second Annual Teaming Conference of the Institute for Advanced Studies at Los Alamos National Laboratory and the New Mexico Consortium, 22-23 May 2008, New Mexico State University, Las Cruces, NM.

Invited participant, “WMD Threat Forecasting Methods Workshop,” Defense Threat Reduction Agency, ASCO, 7-8 May 2008, Lorton, VA.

Organizer and Chair, “New Mexico Nuclear Study Group—A Roundtable,” 83rd Annual Meeting—“Meeting Today’s Challenges Through Collaborative Science, Engineering, and Technology”—American Association for the Advancement of Science, Southwestern and Rocky Mountain Division, University of New Mexico, Albuquerque, NM, 9-12 April 2008.

Organizer and participant, “Busting Through: Interdisciplinary Research and Education at the University of New Mexico—A Roundtable,” 83rd Annual Meeting—“Meeting Today’s Challenges Through Collaborative Science, Engineering, and Technology”—American Association for the Advancement of Science, Southwestern and Rocky Mountain Division, University of New Mexico, Albuquerque, NM, 9-12 April 2008.

Invited participant, Strategic / Nuclear Workforce Summit, Defense Threat Reduction University, Defense Threat Reduction Agency, Kirtland AFB, NM, 13 December 2007.

Discussant, panel on “The ESDP Yesterday and Today,” at the Sixth Pan-European International Relations Conference—“Making Sense of a Pluralist World”—of the Standing Group on International Relations, European Consortium for Political Research, University of Turin, Italy, 12-15 September 2007.

Invited participant, “40th Anniversary Safeguards Symposium,” Los Alamos National Laboratory, Los Alamos, NM, 16-17 July 2007.

Organized and conducted initial meeting of the New Mexico Nuclear Study Group, with participants from Los Alamos National Laboratory, Sandia National Laboratories, and the University of New Mexico; Los Alamos National Laboratory, Los Alamos, NM, 12 July 2007.

Participant, and speaker for session on “Science and Society,” the First Annual Workshop of the New Mexico Consortium’s Institute for Advanced Studies at Los Alamos National Laboratory, held at the New Mexico Institute of Mining and Technology, Socorro, NM, 20-21 April 2007.

Participant, American Association for the Advancement of Science Leadership Seminar in Science and Technology Policy, Washington, DC, 13-17 November 2006.

Chair and discussant, panel on “Terrorism I: Asymmetry, NetWar, and Changing Design of Institutions,” at the 2006 Annual Conference of the International Security and Arms Control Section of the American Political Science Association and the International Security Studies Section of the International Studies Association on “Security, Globalization, and Mass Society in the Global Information and Terrorism Age,” Tucson, AZ, 26-28 October 2006. Cosponsored by the School of Public Administration and Policy and the Department of Management Information Systems Eller Security Lab, Eller College of Management, University of Arizona; the Institute for National Security Studies, U.S. Air Force Academy; and Tucson Committee on Foreign Relations.

Developed and organized, with Women in International Security and Sandia National Laboratories, symposium on “The Reliable Replacement Warhead Program and The Future of the U.S. Nuclear Weapons Complex,” University of New Mexico, 29 September 06.

Developed and organized, with Anita Obermeier, the Director of the Feminist Research Institute, “A Forum on Opportunities and Challenges for Women in Science and Engineering,” University of New Mexico, 29 March 2006.

Discussant, panel on “How Terrorist Organizations Learn and Change,” and panel on “Military Transformation and Network Centric Warfare in OEF, OIF, and the GWOT,” at the 47th Annual Convention of the International Studies Association, San Diego, CA, 22-25 March 2006.

Invited participant, the 2006 Joint Operations Symposium, "Implementing the 2006 Quadrennial Defense Review," Institute for National Strategic Studies, National Defense University, Fort Lesley J. McNair, Washington, DC, 16-17 March 2006.

Member of the team that interviewed former Secretary of Defense William Perry for the William J. Clinton Presidential History Project, Presidential Oral History Program, Miller Center of Public Affairs, University of Virginia. The interview took place at Stanford University on 21 February 2006.

Briefing, "Military Transformation and the Defense Industry after Next," Sandia National Laboratories, Albuquerque, NM, 21 April 2005.

Invited participant, "Sea Power 21 Allies Project Workshop," sponsored by USN International Programs Office and the Naval War College and hosted by the Center for Naval Analysis, 15 April 2005.

Invited participant, conference on "Facts and Myths of Global Defense Cooperation and Trade," sponsored by the Center for Strategic and International Studies and the MOU Attachés Group, Washington, DC, 14 April 2005.

Presentation on "U.S. Grand Strategy Choices and Challenges" for panel on "Global Challenges and Choices," at conference on "A Nation at War: Reconciling Ends and Means," Naval War College, 7-8 March 2005. A short paper based on the presentation is to be included in the forthcoming conference proceedings.

Presentation on "Transformation: What Is It? What Does It Mean for Industry?" during session on "What Do We Mean by Defense Transformation?" at conference on "Defense Transformation in the Asia-Pacific Region," sponsored by PACOM's Asia-Pacific Center for Security Studies, 30 March-1 April 2004, Honolulu, HI.

Speaker, panel on "Operational Aspects of Taiwan's Defense Reform," at conference on "Taiwan's Defense Reform: Key Issues," organized by the Institute for Taiwan Defense and Strategic Studies and sponsored by the Ministry of Foreign Affairs, Ministry of National Defense, Mainland Affairs Council, Research Development and Evaluation Commission, and National Security Bureau, 29 February-1 March 2004, Taipei, Taiwan.

Invited participant, "Security Planning & Military Transformation after Iraqi Freedom," the 34th IPFA-Fletcher Conference on National Security Strategy and Policy, 2-3 December 2003, Washington, DC. Jointly sponsored by the Institute for Foreign Policy Analysis, the Fletcher School of Law and Diplomacy, the United States Navy, and the Defense Threat Reduction Agency.

Briefing, "United States Predominance: What is to be Done? U.S. Grand Strategy Alternatives," Asia Pacific Studies Group Mid-Term Review 2003 Workshop, Japanese Maritime Self-Defense Force Staff College, Tokyo, Japan, 19-20 November 2003.

Panelist, "Transforming the Military-Industrial Complex: A Supply-Side Briefing on the Future of the Defense Industry," American Enterprise Institute, Washington, DC, 10 October 2003.

Briefing, "Military Transformation and the Defense Industry after Next," National Conference of Editorial Writers, Newport, RI, 19 September 2003.

Developed, with CAPT Jack Dalrymple, USNR, the 2003 Secretary of the Navy's Current Strategy Forum on "U.S. Grand Strategy and Sea Power for the 21st Century," Naval War College, Newport, RI, 17-18 June 2003.

Briefing (with Peter Dombrowski), "Military Transformation and the Defense Industry after Next," at "Ship Tech 2002," a conference sponsored by the Office of Naval Research. Biloxi, MS, 16 January 2003.

Participant, "Transforming Defense: A Current Assessment and the Road Ahead," Center for Naval Analyses 2002 Annual Conference, Arlington, VA, 20-21 November 2002.

Briefing (with Peter Dombrowski), "Military Transformation and the Defense Industry after Next," at the "New Horizons Symposium," sponsored by the Armed Forces Communications & Electronics Association and the USAF Electronic Systems Center, Bedford, MA, 30 October 2002.

Chair, panel on "The Day After," at workshop on "The Future of Iraq and U.S. Policy Options," Center for Naval Warfare Studies, Naval War College, Newport, RI, 18-19 July 2002.

Organizer, with Carnes Lord, of symposium on Strategic Forces and Missile Defense," Center for Naval Warfare Studies, Naval War College, 30 April 2002. Presented briefing on "The Evolving U.S. Nuclear Posture" and served as Moderator for session on "The International Context."

Discussant, panel on "The Political Economy of War and Peace," Annual Meeting of the International Studies Association," New Orleans, 24-27 March 2002.

Participant, "Teaching Grand Strategy: A Professional Development Workshop," sponsored by International Security Studies, Yale University, and the Naval War College, Newport, RI, 15-16 February 2002.

Chair, panel on "Major Independents" and speaker on "Summary and Discussion" panel, for The Atlantic Council conference on "Globalization of Defense Industries," Washington, DC, 16 November 2001.

Participant, symposium on "Building a Vision: NATO's Future Transformation," hosted by HQ Norwegian Defence Command, Allied Command, Atlantic, and United States Joint Forces Command, Oslo, Norway, 5-7 September 2001.

Moderator, Panel No. 3, "What Can Defense Transformation Achieve and What Will it Cost?" Current Strategy Forum, Naval War College, Newport, RI, 12-13 June 2001.

Participant, conference on "The Future of Maritime Competition and Naval Innovation," sponsored by the Center for Strategic and Budgetary Assessments and the Naval War College, Washington, DC, 8 February 2001.

Invited participant, conference on "Alternative Military Strategies for the United States," Georgetown University, 21 September 2000. Sponsored by the Georgetown University National Security Studies Program and Center for Peace and Security Studies, in conjunction with the U.S. Army Strategic Studies Institute.

Participant, workshop on "Teaching Grand Strategy," sponsored by International Security Studies, Yale University, New Haven, CT, 23-24 June 2000.

Invited participant, workshop on "Planning for the Future: Assuring U.S. WMD Critical Skills and Staffing," at Institute for National Strategic Studies, National Defense University, 17 December 1999. Sponsored by the Institute for Foreign Policy Analysis; the Center for Counterproliferation Research, NDU; and the Defense Threat Reduction Agency.

Invited participant, conference on "Alternative Futures in War and Conflict: Implications for U.S. National Security," organized by the Center for Naval Warfare Studies and co-sponsored by the National Intelligence Council, the Defense Intelligence Agency, and the Pell Center for International Relations and Public Policy, 30 November-2 December 1999. Served as co-moderator of roundtable on "Future of War and Conflict."

Discussion of "WMD Issues," Newport Circle of Scholars, Newport, RI, 30 March 1999.

Developed and presented, with Peter Dombrowski, a briefing on "Globalization of Defense Industries and Technologies," for MG John Landry, National Intelligence Officer, General Purpose Forces, 29 March 1999.

Supported preparation of Decision Support Department, Center for Naval Warfare Studies, Naval War College, for an Economic Security Exercise: South Asia Proliferation Project, 10 March 1999.

Invited participant, conference on "The Future of War," St. Petersburg, Russia, 24-27 February 1999. Sponsored by the Dutch Foundation for War Studies.

Discussant, panel on "The Diffusion of Military Technology," at the Annual Meeting of the International Studies Association, Washington, DC, 17 February 1999.

Invited participant, third research workshop on "The Diffusion of Military Technology," at the UC Davis Washington Center, 18-19 February 1999. Sponsored by the UC Davis and the Naval Postgraduate School's Joint Center for International and Security Studies and funded by the Smith Richardson Foundation.

Course design consultant, Defense Leadership & Management Program (DLAMP). Participated in course design reviews of "Roots of Strategy" and "International Issues in Defense," 16 February 1999 and 16 December 1998.

Invited participant, second research workshop on "The Diffusion of Military Technology," at the Monterey Institute of International Studies, Monterey, CA, 7-8 August 1998. Served as Moderator of Roundtable on "Technological Change and Diffusion." Sponsored by the UC Davis and the Naval Postgraduate School's Joint Center for International and Security Studies and funded by the Smith Richardson Foundation

Invited participant, research workshop on "The Diffusion of Military Knowledge, Technology, and Practice: International Consequences of Military Innovation," University of California, Davis, 6-7 February 1998. Sponsored by the UC Davis and the Naval Postgraduate School's Joint Center for International and Security Studies and funded by the Smith Richardson Foundation.

Invited participant, "Strategic Concepts Workshop," Center for Naval Warfare Studies, U.S. Naval War College, 18-19 September 1997. Served as respondent to papers presented by John Lewis Gaddis, Robert Jervis, and Edward A. Kolodziej at panel on "Strategic Concepts and Coercive Operations."

Member, since its establishment in 1994, of the Working Group on "Post-Cold War Curriculum on Nuclear and Other Weapons of Mass Destruction (WMD)-Related Issues." Sponsored by the Institute for Foreign Policy Analysis, coordinated by Robert Pfaltzgraff, and funded by the Defense Threat Reduction Agency. Prepared, with Gary Guertner, "Proliferation, Nonproliferation, and Counterproliferation: A Course Module."

Invited participant, workshop on "Managing the Challenge of Technology Diffusion." Chaired by Ronald Lehman and organized under the auspices of the Chemical and Biological Arms Control Institute. The Capitol, Washington, DC, 7 December 1995.

Speaker, with Barry Posen, on "Competing U.S. Grand Strategies," U.S. Foreign Policy Seminar, Center for International Affairs, Harvard University, 9 October 1995.

Invited by Rear Admiral D. A. Weiss, Director for Operations, Defense Nuclear Agency, to evaluate pilot offering of the Counterproliferation Awareness Course at the Defense Nuclear

Agency's Interservice Nuclear Weapons School, Kirtland AFB, Albuquerque, NM, 11-13 September 1995.

Presentation on "Proliferation," Newport Center for International Visitors, 21 March 1995.

Invited participant, symposium on "The Nuclear Non-Proliferation Regime: Post-Cold War Perspectives," Marquette University, Milwaukee, WI, 13-14 May 1994. Speaker at panel on "What are the Prospects for Nuclear Arms Control and Verification?"

Chair and discussant, panel on "The UN Register of Conventional Armaments," 35th Annual Meeting of the International Studies Association, Washington, DC, 28 March-1 April 1994.

Invited participant, workshop on "The Chemical Weapons Convention: Anticipating U.S. Ratification and 1995 Entry into Force," Center for Strategic and International Studies, Washington, DC, 31 March 1994.

Naval War College representative at Senior Service School workshop on "Counterproliferation Education," National Defense University, 2 December 1994.

Invited participant, conference on "Managing Chaos: Coping with International Conflict in the 21st Century," U.S. Institute of Peace, Washington, DC, 30 November-1 December 1994.

Invited participant, workshop on "The Arms Trade and Arms Control in the Post-Cold War World: Future Trends and Developments," Columbia University, 4-5 November 1993.

Invited participant, conference on "Military Coalitions and the United Nations: Implications for the U.S. Military," National Defense University, Ft. McNair, Washington, DC, 2-3 November 1993.

Invited participant, conference on "Implementing Arms Control," organized by the Defense Nuclear Agency and the U.S. Strategic Command and hosted by the U.S. Strategic Command, Offutt AFB, 21-22 October 1993.

Invited participant, Fourth Annual Arms Control & Verification Conference, "New Horizons and Challenges in Arms Control and Verification," organized by the John C. Tower Center for Political Studies, Southern Methodist University, and sponsored by the Advanced Research Projects Agency, Dallas, 15-17 October 1993.

Organizer of panel on "The Evolving World Order and Applied Theory in International Security" for the 34th Annual Meeting of the International Studies Association, 23-28 March 1993, Acapulco, Mexico.

Chair and co-organizer of panel on "The Diffusion of Conventional and Unconventional Weapons: Weapons, Technologies, and Regional Contexts," and co-organizer of panel on "The

Diffusion of Conventional and Unconventional Weapons: What Is To Be Done?" for the 33rd Annual Meeting of the International Studies Association, 31 March-4 April 1992, Atlanta, GA.

Invited speaker, panel on "Post-Cold War Arms Trade," at the Annual Meeting of the American Association for the Advancement of Science, Chicago, IL, 6-11 February 1992.

Invited speaker, panel on "Models for Explaining the Spread of Weapons," at workshop on Global Diffusion of Military Technology, University of Wisconsin, Madison, 6-8 December 1991.

Invited participant, International Working Conference on the Arms Trade, New York, NY, 31 October-2 November 1991.

Conference Co-Director, "Strategy and Forces for a Changing Security Environment," U.S. Naval War College, 14-16 August 1991.

Chair and organizer of panel on "A Changing Arms Market," for the 32nd Annual Meeting of the International Studies Association, 19-23 March 1991, Vancouver, BC.

Invited speaker for session on "The Political Economy of International Arms Production and Transfers," 1990 Summer Institute on Regional Conflict and Global Security in the 1990s, Center for International Cooperation and Security Studies, University of Wisconsin -- Madison, 13-20 July 1990.

Invited speaker for Great Decisions 1990 session on "Third World Arms Bazaar: Disaster for Sale?" World Affairs Council of Boston, 8 May 1990.

Chair and organizer of panel on "Perspectives on Change in the International Arms Market," for the 31st Annual Meeting of the International Studies Association, 10-14 April 1990, Washington, D.C.

Invited participant, "International Arms Collaboration: Problems and Prospects" workshop, sponsored by the Economics and National Security Program, Olin Institute for Strategic Studies, Center for International Affairs, Harvard University, 8 November 1989.

Chair and organizer of panel on "Developing Countries and International Security Affairs," for the 85th Annual Meeting of the American Political Science Association 31 August-3 September 1989, Atlanta, GA.

Chair, panel on "Defense Costs vs. Military Effectiveness," at the joint Annual Meeting of the International Studies Association and the British International Studies Association, 28 March-1 April 1989, London.

Invited participant, American Academy of Arts and Sciences workshop on "Burden-Sharing in the West Pacific," 25 February 1989, University of California, Irvine.

Discussant, panel on "Hegemony in International Regimes," 84th Annual Meeting of the American Political Science Association, 1-4 September 1988, Washington, D.C.

Invited participant, Summer Institute on "Regional Conflict and Global Security: The Nuclear Dimension." Sponsored by the Center for International Cooperation and Security Studies, University of Wisconsin, Madison, 17-24 June 1988.

Chair and co-organizer of panel on "Dominance and Dependence in the International System: Alternative Analytical Perspectives," for the 29th Annual Meeting of the International Studies Association, 29 March-2 April 1988, St. Louis, MO.

Co-chair of Roundtable on "Arms Sales and Technology Transfer," at the 39th Annual Student Conference on United States Affairs, "Global Change: Implications for U.S. Leadership," sponsored by the United States Military Academy, West Point, NY, 18-21 November 1987.

Chair and organizer of panel on "The Political Economy of Defense: Issues and Perspectives," for the Annual Meeting of the American Political Science Association, 3-6 September 1987, Chicago, IL.

Chair and organizer of panel on "The Political Economy of Defense," for the 28th Annual Meeting of the International Studies Association, 15-18 April 1987, Washington, D.C.

Discussant, panel on "First World Decisions and Third World Effects," at the Annual Meeting of the American Political Science Association, 28-32 August 1986, Washington, D.C.

Faculty participant at Strategy '86, a conference sponsored by Defense and Foreign Affairs and the International Strategic Studies Association in Crystal City, VA, June 1986.

Discussant, panel on "The Military in Marxist and Developing Nations," at a conference sponsored by the Section on Military Studies, International Studies Association, 9 November 1985, at the University of Illinois, Urbana-Champaign.

Co-Chair, Seminar on North-South Relations, Center for International Affairs, Harvard University, Spring 1984.

Chair and organizer of panel on "Emergent Third World Powers: The New Imperialists?" for the Annual Meeting of the International Studies Association, March 1984, Atlanta, GA.

Invited participant, workshop on "Development and National Security: Growth, Equity, and Defense in Developing Countries," Fletcher School of Law and Diplomacy, April 1982.

Institutional Research Affiliations:

Affiliate, Center for International Affairs, Harvard University, 1993-1994.

Associate, Center for International Affairs, Harvard University, 1989-1993.

Visiting Scholar, Program in Arms Control, Disarmament, and International Security, University of Illinois, 1987-1988.

Visiting Fellow, Center for International Development and Conflict Management, University of Maryland, Summer 1987.

Faculty Associate, Program in Arms Control, Disarmament, and International Security, University of Illinois, 1985-1986.

Professional Organization Affiliations:

Member, American Association for the Advancement of Science, 2006-present

Member, American Political Science Association, 1983-2008, 2011-2012

Member, Arms Control Association, 1981-present

Member, Coalition for a Realistic Foreign Policy, 2003-present

Member, Council for a Livable World, 2010-present

Affiliate Member, International Network of Emerging Nuclear Specialists, 2012-present

Member, International Studies Association, 1979-present

Fellow, Inter-University Seminar on Armed Forces and Society, 1986-present

Member, Project on Nuclear Issues (PONI), Center for Strategic and International Affairs, 2011-present

Member, Union of Concerned Scientists, 2011-present

Member, Bicycle Coalition of New Mexico, 2011-2014

Member, League of American Cyclists, 1997-present

Member, Narragansett Bay Wheelmen, 1998-2005

Member, New Mexico Touring Society, 2010-2014

Member, Campagnolo Riders Club, 2014 to present

Service—Texas A&M University

Coach, Bush School team, Atlantic Council Cyber 9/12 Student Challenge, Washington, DC, 16-17 March 2018. Team advanced to semi-final round.

Moderator, Panel on Interdisciplinary Nuclear Security, sponsored by the Institute of Nuclear Materials Management, Texas A&M University Student Chapter, and the Center for Nuclear Security, Science & Policy Initiatives, 8 February 2018.

Member, Evelyn and Ed F. Kruse '49 Faculty Fellowship Evaluation Committee, Spring 2018.

Chair, Department of International Affairs Cyber Policy, Strategy, and Security Practitioner Faculty Search Committee, Spring 2018.

Member, Department of International Affairs *ad hoc* Post-Tenure Review Committee, Spring 2018.

Faculty advisor, Bush School Team, Cyber Security Awareness Week (CSAW) '17 Law and Policy Competition, Tandon School of Engineering, New York University, 9-11 November 2017. Team placed third in the competition.

Member, Graduate Fellowship Committee, Nuclear Solutions Institute, Fall 2018.

Member, Strategic Planning Committee, Department of International Affairs, 2017-18 academic year.

Member, Executive Committee, Nuclear Solutions Institute, July 2017 to present.

Coach, Bush School team, Atlantic Council Cyber 9/12 Student Challenge, Washington, DC, 17-18 March 2017. Team advanced to semi-final round.

Member, Scowcroft Institute O'Donnell, Korea, and Faculty Research Grants Evaluation Committee, Spring 2017.

Member, Bush School Strategic Planning Committee: Research Management, Spring 2017.

Coach, Bush School team, Atlantic Council Cyber 9/12 Student Challenge, Washington, DC, 11-12 March 2016.

Co-Chair, Bush School Strategic Planning Committee, Fall 2015.

Member, International Affairs Department Head Advisory Committee, Fall 2015 to present.

Member, Bush School Association of Former Students College Level Teaching Award Committee, June 2015.

Department of International Affairs representative, Texas A&M University Strategic Planning Forums, Spring 2015.

Member, Department of International Affairs *ad hoc* Post-Tenure Review Committee, 2014-2015 academic year.

Member, Department of International Affairs *ad hoc* Third-Year Review Committee, 2014-2015, 2015-2016 academic years.

Member, Bush School Promotion & Tenure Committee, 2014-present.

Chair, Department of International Affairs Democracy and Governance Grand Challenge Senior Faculty Search Committee, 2014-2015 academic year.

Service—University of New Mexico

Speaker, “‘Teach in’ on the Events in Ukraine,” 11 March 2014. Sponsored by the Department of History.

Co-chair, Provost’s School of Public Affairs Task Force, August 2013 to December 2013.

Co-founder and co-chair, Council on Strategic Research Initiatives, August 2012 to June 2013.

Member, Truman Scholarship Selection Committee, Fall 2012.

Chair, AFRL (Air Force Research Laboratory)-UNM Strategic Partnership Committee, Summer 2011 to Summer 2014.

Vice Chair (November 2013 to July 2014) and member, UNM Conflict of Interest Committee, January 2011 to July 2014. Selected by Provost to represent the College of Arts and Sciences.

Member, UNM-AFRL (Air Force Research Laboratory) Committee, 2010-2011 AY. Negotiated Educational Partnership Agreement (EPA) with AFRL; EPA signed on 22 April 2011.

Member, Executive Committee, Department of Political Science, 2010-2011 AY.

Member, Ad Hoc Committee on Performance Evaluations of Associate Deans, College of Arts and Sciences, Spring 2010.

Member, National Security Studies Program Advisory Committee, 2009 to 2014.

Member and Chair, Executive Committee, Special Science and Engineering Research Initiatives, Office of the Vice President for Research, May 2009-June 2010.

Member, DTRA Program Review Committee, Office of the Vice President for Research, July-December 2008.

At the request of the Office of Vice President for Research, provided briefing on CSTP defense-related work for delegation of National Defense University International Counterterrorism Fellows, 13 November 2008.

Member, Steering Committee, UNM Consortium on Collaborative Public Policy, 2007-2010.

Member (former Chair), Committee on Studies, Eric Wallace, 2008 to present.

Chair, Committee on Studies, Benjamin Bonin, 2007 to 2015.

Co-Convener, UNM Public Policy Capabilities Working Group, 2006 to 2008.

Member, Political Science Department Search Committee for Director of the Institute for Public Policy, 2006-07 AY.

Member, UNM Consortium on Collaborative Public Policy, Summer 2006 to 2010.

Member, IPP Working Group, Spring-Summer 2006.

Member, LANL Institute for Advanced Studies Faculty Working Group, 2006-2014.

Member, School of Public Administration Tenure Committee, Spring 2006.

Member, Executive Committee, Department of Political Science, 2005-06 AY.

College & Department Service—Naval War College:

Member, Naval War College Foundation Prize Committee, Spring 2004.

Mentor, Mahan Scholars Program, 2000-2003.

Member, Academic Policy Review Board.

Member, NSDM Faculty Excellence Committee.

NSDM Library Liaison.

Member, Robert E. Batemans International Prize Committee, Spring 1996.

Recurring faculty support provided to: Naval Staff College; Senior Enlisted Academy; College of Continuing Education.

Department Service—University of Kentucky:

Co-Chair, Minority Enhancement Committee, 1988-89 AY. Assumed major responsibility for planning and organizing symposium on "Black Political Empowerment and the Public Policy Agenda: 1988 and Beyond," held November 17-18, 1988, at the University of Kentucky.

Library Liaison, 1988-89 AY.

Member, Graduate Program Committee, 1987-88 AY.

Member, Review Committee on Courses Required in PhD Program, 1987-88 AY.

Member, Undergraduate Program Committee, 1986-87 AY.

Professional Service:

Member, *McKinsey Quarterly* Online Executive Panel.

Member, International Editorial Advisory Board, *Taiwan Defense Affairs*.

Member, The Marshall Center Papers Editorial Advisory Board, The George C. Marshall Center for Security Studies.

Manuscripts/proposals reviewed for:

American Political Science Review

Armed Forces & Society

Asian Security

Columbia University Press

Cornell University Press

Cooperation and Conflict
Defense Economics
Frank Cass
Georgetown University Press
Journal of Strategic Studies
International History Review
International Interactions
International Journal of Cultural Studies
International Organization
International Politics
International Security
International Studies Perspectives
International Studies Quarterly
International Studies Review
Marshall Center Papers
Millennium: Journal of International Studies
MIT Press
Naval War College Review
National Science Foundation, Science, Technology & Society Program
Prentice-Hall
Review of Policy Research
Routledge
Security Studies
Social Sciences and Humanities Research Council of Canada
Stanford University Press
Technological Forecasting and Social Change
Third World Quarterly

Media Interviews:

Albuquerque Journal
Army Times
Boston Globe
Business 2.0
Business Week
Defense Daily
Defense News
Die Zeit
Inside Defense
KBTX TV 3 News, College Station, TX
KRQE News 13, ABQ, NM
Media General News Service
MSNBC
New York Times
Santa Fe New Mexican

Seapower
Sun Journal (Lewiston, ME)
Wall Street Journal
Washington Post
WGBH

International Travel:

Argentina, Austria, Belgium, Bolivia, Brazil, Britain, Canada, Chile, China, Colombia, France, East Germany, West Germany, Germany, Hong Kong, Hungary, Iceland, India, Indonesia, Italy, Japan, South Korea, Luxembourg, Malaysia, Mexico, Norway, Peru, Philippines, Poland, Russia, Singapore, Soviet Union, St. Lucia, Sweden, Taiwan

Publications—Edited Works and Monographs:

Editor-in-Chief, with Daniel Ragsdale, *Cybersecurity of Critical Infrastructure Summit 2017 Proceedings*, College Station, TX: Texas A&M Cybersecurity Center, Texas A&M University, 2017.

Military Transformation and the Defense Industry after Next: The Defense Industrial Implications of Network-Centric Warfare, with Peter Dombrowski and Eugene Gholz, Newport Paper No. 18, (Newport, RI: U.S. Naval War College Press, 2003). The final report of the Naval War College's Defense Industry after Next Project, which was completed in September 2002. Available @ <http://www.usnwc.edu/Publications/Naval-War-College-Press/Newport-Papers/Documents/18-pdf.aspx>

Newport Papers: National Security Strategy after 9/11/01, CD-ROM, (Newport: U.S. Naval War College, 2002). A collection of the Naval War College's point papers on the global war on terror produced for the office of the Chief of Naval Operations; includes the 27 papers I developed and edited (with CAPT Bryan Lucas, USNR) as a leader of the Strategy Task Group during the 2001-02 academic year.

Editor, with Richmond M. Lloyd et al., *Strategy and Force Planning*, 3rd ed., (Newport: U.S. Naval War College Press, 2000).

Editor, with Richmond M. Lloyd et al., *Strategy and Force Planning*, 2nd ed., (Newport: U.S. Naval War College Press, 1997).

Editor, with Richmond M. Lloyd et al., *Strategy and Force Planning*, (Newport: U.S. Naval War College Press, 1995).

Editor, with Richmond M. Lloyd et al., *Fundamentals of Force Planning*, Vol. III, *Strategy and Resources*, (Newport: U.S. Naval War College Press, 1992).

Editor, *The Political Economy of Defense: Issues and Perspectives*, (Westport: Greenwood Press, 1991).

Editor, with Richmond M. Lloyd et al., *Fundamentals of Force Planning*, Vol. II, *Defense Planning Cases*, (Newport: U.S. Naval War College Press, 1991).

Guest Editor, Special Focus issue of *Contemporary Southeast Asia* on "Security and Development in Southeast Asia," Vol. 11, No. 4 (March 1990).

"The Dimensions of Militarization in the Third World," Occasional Paper, Program in Arms Control, Disarmament, and International Security, University of Illinois at Urbana-Champaign, Summer 1987.

"The Diffusion of Power and Conventional Arms Production in the Third World: Implications for World Order," Occasional Paper, Program in Arms Control, Disarmament, and International Security, University of Illinois at Urbana-Champaign, January 1986.

Arms Production in Developing Countries: The Continuing Proliferation of Conventional Weapons, (Santa Monica: The Rand Corporation, N-1615-AF, October 1981).

Publications—Articles and Chapters:

"Assessing the State of Understanding of Defense Innovation," with Tai Ming Cheung and Thomas G. Mahnken, SITC (Study of Innovation and Technology in China) *Research Brief*, 2018-1, University of California Institute on Global Conflict and Cooperation, May 2018. Included in Tai Ming Cheung, ed., *Leaders, Laggards, and Followers: The Global Competition for Defense Innovation*, University of California Institute on Global Conflict and Cooperation, May 2018.

"New, Emerging, and Over-the-Horizon Technologies: Their Potential Import and Role in Innovation," in Richard Bitzinger, ed., *Emerging Critical Technologies and their Impact on Asian-Pacific Security* (New York: Palgrave Macmillan, 2016), pp. 22-36

"Frameworks for Analyzing Chinese Defense and Military Innovation," with Tai Ming Cheung and Thomas G. Mahnken, in Tai Ming Cheung, ed., *Forging China's Military Might: A New Framework for Assessing Defense Innovation* (Baltimore: Johns Hopkins University Press, 2014), pp. 15-46.

"The Origins of Limited Nuclear War Theory," in Jeffrey A. Larsen and Kerry Kartchner, eds., *On Limited Nuclear Warfare in the 21st Century* (Stanford: Stanford University Press, 2014), pp. 21-48. The U.S. Air Force Institute for National Security Studies' 2014 Major General Robert E.

Linhard Award for Outstanding Research was awarded to the editors of and contributors to this volume.

“The State of U.S. Defense Innovation,” IGCC Defense Innovation Briefs, University of California Institute on Global Conflict and Cooperation, January 2014, available @ <http://escholarship.org/uc/item/6f86r0fm>.

“Framing Chinese Military Innovation,” in Tai Ming Cheung, ed., *China’s Emergence as a Defense Technological Power* (London and New York: Routledge, 2013), pp. 187-213.

“Frameworks for Analyzing Chinese Defense and Military Innovation,” with Tai Ming Cheung and Thomas G. Mahnken, SITC Policy Brief No. 27, University of California Institute on Global Conflict and Cooperation, September 2011. Included in Tai Ming Cheung, ed., *New Perspectives on Assessing the Chinese Defense Economy: 2011 Industry Overview and Policy Briefs*, La Jolla: University of California Institute on Global Conflict and Cooperation, October 2011, pp. 77-80.

“On Military Innovation: Toward an Analytical Framework,” SITC Policy Brief No. 1, University of California Institute on Global Conflict and Cooperation, September 2010. Included in Tai Ming Cheung, ed., *The Rise of the Chinese Defense Economy: Innovation Potential, Industrial Performance, and Regional Comparisons—Policy Briefs*, La Jolla: University of California Institute on Global Conflict and Cooperation, September 2010, pp. 14-17.

“The Revolution in Military Affairs, Transformation, and the U.S. Defense Industry,” with Peter Dombrowski, in Richard A. Bitzinger, ed., *The Modern Defense Industry: Political, Economic, and Technological Issues* (Santa Barbara, CA: Praeger Security International, 2009), pp. 153-174.

“Global Governance, Security Governance, and an Imperious United States,” in Charlotte Wagnsson, James A. Sperling, and Jan Hallenberg, eds., *European Security Governance: The European Union in a Westphalian World* (London and New York: Routledge, 2009), pp. 79-93.

“The Role of Nuclear Weapons in International Politics: A Strategic Perspective,” Foreign Policy Research Institute, *Footnotes*, Vol. 14, No. 5, May 2009. Available at <http://www.fpri.org/footnotes/1405.200905.ross.nuclearweaponsintlpolitics.html>.

“The Revolution in Military Affairs, Transformation, and the Defense Industry,” with Peter Dombrowski, *Security Challenges*, Vol. 4, No. 4 (Summer 2008), pp. 13-38.

“A Progressive EU, a Problematic United States: An Exceptional Experiment Contends with American Exceptionalism” in Kjell Engelbrekt and Jan Hallenberg, eds., *The European Union and Strategy: An Emerging Actor* (London and New York: Routledge, 2008), pp. 167-183.

“The 'New Strategic Triangle' and the U.S. Grand Strategy Debate,” with Peter Dombrowski, in Jan Hallenberg and Håkan Karlsson, eds., *Changing Transatlantic Security Relations: Do the US, the EU and Russia Form a New Strategic Triangle?* (London: Routledge, 2006), pp 146-166.

“What Is To Be Done With U.S. Predominance? Grand Strategy Choices and Challenges,” in Richmond M. Lloyd, ed., *A Nation at War: Reconciling Ends and Means*, (Newport: Naval War College, 2005), pp. 35-39. Available at http://www.usnwc.edu/Departments---Colleges/National-Security-Decision-Making/Ruger-Economic-Papers/A_Nation_at_War.aspx

"The Theory and Practice of International Relations: Contending Analytical Perspectives," in Richmond M. Lloyd et al., eds., *Strategy and Force Planning*, 4th ed., (Newport: U.S. Naval War College Press, 2004), pp. 49-70. (A revised version of a chapter that appeared in the third edition of this text.)

"Taiwan Defense Reform: Questions and Observations," *Taiwan Defense Affairs*, Vol. 4, No. 2, Winter 2003/04, pp. 304-318.

"The Diffusion of Military Technology and Ideas—Theory and Practice," with Emily O. Goldman, in Emily O. Goldman and Leslie C. Eliason, eds., *The Diffusion of Military Technology and Ideas*, Stanford: Stanford University Press, 2003. pp. 371-403.

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"Toward an Analytical Framework for Assessing Defense Innovation," with Tai Ming Cheng and Thomas G. Mahnken. Presented at workshop on "Applying Lessons Learned from China to Understand How Other Countries become Military-Technological and Industrial Powers," sponsored by the University of California Institute on Global Conflict and Cooperation (IGCC) and the Johns Hopkins School of Advanced International Studies, hosted by IGCC at the University of California, San Diego, on 12-13 December 2017.

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