

DR. CHRIS C. DEMCHAK

Associate Professor

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Department of Political Science (joint)

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EDUCATION

- Ph.D. University of California, Berkeley; Political Science (Organization Theory/Public Administration, American politics, African politics).
- M.A. University of California, Berkeley; Energy Resources Group (Energy systems analysis and engineering).
- M.P.A. Woodrow Wilson School of Public & International Affairs, Princeton University, (Economic development).

DISSERTATION AND THESIS

- Ph.D. War, Technological Complexity and the U.S. Army.
Todd M. LaPorte (chair), Nelson Polsby, Richard Abrams (History).
- M.A. Complexification and Organizational-Institutional Design: The Case of the U.S. Radioactive Waste Program. John Holdren (advisor).

RESEARCH FIELDS

Comparative Studies of Security Structures, Complexity, Modernization, and Organizational Surprise
Wars of Disruption, Global Digitization, Information Operations, and Chronic Violent Security Threats
Resilience in Critical Social and Technical Infrastructures, Collaboration, and Knowledge
Organizational Structures, Operations, Security and Experimentation Emergent in Virtual Worlds (*virtuality*)
Social Internet Forensics, Ubiquitous Sensors, Behavior-based Privacy, and Bad Actor Identification

POSITIONS HELD

School of Public Administration and Policy, University of Arizona
and (joint) Department of Political Science, University of Arizona
Associate Professor, 1998 - present
Assistant Professor, 1991 - 1998
Department of Social Sciences, U.S. Military Academy,
Assistant Professor (comparative governments and security) and active duty Officer, 1987 - 1990.
Logistics Management Institute, Washington, D.C.
Research Fellow (graduate student), 1981 - 1984.
Officer, US Army Reserve (former).

HONORS AND AWARDS

The Leonard D. White Award for best dissertation in public administration, public policy and related areas for 1987-1988, APSA (American Pol Sci Assn).

NSF Grant Scholar (various grants), 1996-2004 (see <http://cyprg.arizona.edu>)
Teaching Award, 1999, 2001
Udall Fellow, 1993
MacArthur Fellow, 1990-1991
Fulbright Scholar, Israel, 1992
Science Research Lab Fellow, USMA, 1988-1990

PUBLICATIONS

Books and Scholarly Monographs

Demchak, Chris C., Military Organizations, Complex Machines: Modernization in the U.S. Armed Forces, Cornell University Press, security studies series 1991.

----, (with Gene I. Rochlin), Lessons of the Gulf War: Ascendant Technology and Declining Capability, Institute of International Studies, University of California, Berkeley, number 39, 1991.

Refereed Journal Articles and Book Chapters

- Demchak, Chris C. forthcoming 2009. "Building Resilience -enabled Organizations in a CT Policy "Knowledge Nexus"". in Brem, Stefan, ed. forthcoming 2009 Re-visiting Critical Infrastructure Protection in a Networked World: Concepts and Applications. SpringerVerlag (book series "Security, Complex Systems, Governance").
- . forthcoming 2009. "'Institutionalizing Behavior-Based Privacy". Administration and Society. (with Kurt Fenstermacher)
- 2007, "Exploring the Knowledge Nexus", Security Studies Quarterly. 1:2 (December). (With Eric Werner.)
- . 2006. "Ensuring Privacy While Maximizing Knowledge Management". Proceedings of Secure Knowledge Management Workshop (SKM) 2006. Polytechnic University Brooklyn - September 28-29, 2006 (with Murray Jenson and Kurt Fenstermacher).
- . 2005. "Key Rules of Thumb for Complexity and Culture Change in Intelligence Agencies" in Tomes, Robert, ed. The Faces of Intelligence Reform, refereed monograph, Washington DC: Center for Emerging National Security Affairs (CENSA) monograph, December.
- . 2005. "Where Personalization, Privacy, and Security Meet". Proceedings of 2005 (PEP) Privacy Enhanced Personalization Workshop published online, International User Modeling (M) conference , Edinburgh, Scotland, 25 July. (with Kurt Fenstermacher) <http://www.isr.uci.edu/pep05/papers/w9-proceedings.pdf>
- . 2004. "Wars of Disruption." In Goldman, Emily, ed. National Security in the Information Age. London: Frank Cass, 73-113.
- . 2004. "Balancing Security and Privacy in The 21st Century." In Chen, H., Moore, R., Zeng, D.D., Leavitt, J. (Eds.), Intelligence and Security Informatics. New York: Springer Verlag. 3073(summer)335-345. (with Kurt Fenstermacher).
- . 2003. "Wars of Disruption: International Competition and Information Technology-Driven Military Organizations"..Contemporary Security Policy: 24:1(April) 75-112.
- . 2003. "'Atrium" - A Knowledge Model for Modern Security Forces in the Information and Terrorism Age". Lecture Notes in Computer Science Proceedings Intelligence and Security Informatics (First annual NSF/NIJ Symposium, ISI 2003). Springer-Verlag: Heidelberg. 2665:2003 (January) 223 - 231
- . 2003. "Creating the Enemy: Worldwide Diffusion of an Electronic Military" In Goldman, Emily and Leslie C. Eliason, eds. The Diffusion of Military Knowledge from the Napoleonic Era to the Information Age. Stanford, California: Stanford University Press.
- . 2002. "Democracy and Bureaucracy in the Age of the Web". Administration and Society. 34:4 (September) 411-446. (with Todd M. LaPorte, and Martin de Jong)
- . 2002. "Complexity and a Midrange Theory of Networked Militaries." In Farrell, Theo, and Terry Terriff. 2002. The Sources of Military Change: Culture, Politics, Technology. New York: Lynne Rienner Publisher.
- . 2001. "Webbing Governance: Global Trends Across National Level Public Agencies". Communications of the ACM. Special issue on Democracy in an IT-Framed Society. (January). (with Todd M. La Porte and Christian Friis).
- . 2001. " Webbing Governance: National Differences in Constructing the Public Face" In G. David Garson, ed. Handbook of Public Information Systems. New York: Marcel Dekker Publishers. (with Christian Friis and Todd M. La Porte).
- . 2000. " Watersheds in Perception and Knowledge: Security and Technology in the past Twenty Years." In Stuart Croft and Terry Terriff, Eds, Critical Reflections on Security and Change. London: Frank Cass.
- . 2000. "Revolution in Military Affairs in Developing States: Botswana, Chile, and Thailand Dilemmas of Image, Operations, and Democracy". National Security Studies Quarterly. 6 (Autumn 2000): 1-45.
- . 1999. "New Security" in Cyberspace: Emerging Intersection between Military and Civilian Contingencies " Journal of Contingencies and Crisis Management. 7:4 (December) 181-198.
- . 1999. "Watersheds in Perception and Knowledge". Contemporary Security Policy. 20:3 (December).
- . 1998. "Configuring Public Agencies in Cyberspace: A Conceptual Investigation." IN I.Th.M. Snellen and W.B.H.J. van de Donk, Public Administration in an Information Age: a Handbook. Amsterdam: IOS Press. Research not published elsewhere. (with Christian Friis and Todd M. La Porte).
- . 1996. "Tailored Precision Armies in Fully Networked Battlespace: High Reliability Organizational Dilemmas in the 'Information Age'," Journal of Contingency and Crisis Management 4:2, June 1996.
- . 1996. "Numbers or Networks: Organizational and Modernization Dilemmas in the Israeli Defense Forces," Armed Forces and Society 23:2, winter 1996.

- 1995. "Coping, Copying, and Concentrating: Organizational Learning and Modernization in Militaries (Case Studies of Israel, Germany and Britain), Journal of Public Administration Research and Theory 5:3, July 1995.
- 1995. "Modernizing Militaries and Political Control in Central Europe," Journal of Public Policy 15:2, 1995.
- 1994. "Colonies or Computers: Modernization and Organizational Challenges to the Future British Army," Defence Analysis (British academic journal on technology and defense studies), 10:1, April 1994.
- 1992. "Complexity, Rogue Outcomes, and Weapon Systems," Public Administration Review 52:4 (July-August).

Other Scholarly Publications

- Demchak, Chris C. forthcoming 2009. "The Pursuit of Security and National Public Systems" In D. David Garson, ed. In G. David Garson, ed. Handbook of Public Information Systems, 3e. New York: Taylor & Francis.
- forthcoming. 2009. "Intelligence Processes." Review of the state of the art chapter In International Studies Association's crossdisciplinary online handbook entitled the "Compendium" due out in late 2009. (with John Tidd)
 - 2007. "Privacy-sensitive tracking of behavior with public information systems: Moving beyond names in a globalizing mass society" In G. David Garson, ed. Modern Public Information Technology Systems: Issues and Challenges. New York: IGI Global (computer science publisher). (with Kurt Fenstermacher).
 - 2007. "Exploring the Knowledge Nexus: India's Path in Terrorism-driven Institutional Growth" in edited online publication Proceedings of Forum for Security Studies occasional conference "Civil-Military Cooperation in Multinational Missions", Swedish National Defence College, Government of Sweden.
 - 2006. "A Theory of Action in Iraq: The Three State Partition and A "Mirror the Mix" Strategy". The Forum, an online journal of applied research in contemporary politics. 4:23 (December).
 - 2005. "Terrorism and Information Age Militaries. In G. David Garson, ed. Handbook of Public Information Systems, 2e. New York: Taylor & Francis.
 - 2005. "Hotlinked Governance Across Cultures." In G. David Garson, ed. Handbook of Public Information Systems, 2e. New York: Taylor & Francis. (with Todd La Porte).
 - 2004. "Balancing Security and Privacy in the Information and Terrorism Age: Distinguishing Behavior from Identity Institutionally and Technologically." The Forum, an online journal of applied research in contemporary politics. 2:2 (summer) 6. (with Kurt Fenstermacher). <http://www.bepress.com/forum/vol2/iss2/art6>
 - 2003. "Cyber War: Emerging Lessons from the Palestinian/Israeli Hacker Conflict." Military Review. 83:2 (March-April) (with Patrick D. Allen).
 - 2002. "State Security Paths in a Digital Mass Society: New Internet Topologies and Security Institution Obligations". Cambridge Review of International Affairs (online). peer-reviewed online journal.
 - 2002. "Un-Muddling Homeland Security: Design Principles for National Security in a Complex World". The Forum, 1:2(fall). <http://www.bepress.com/forum/vol1/iss2/art2>
 - 2001. "Modernizing Defence in Small Nations: Israel, Taiwan and the "Atrium" Model of a Future Military." Taiwan Defense Affairs. (summer). 6-33.
 - 2001. "Technology and Complexity: The Modern Military's Capacity for Change." in Crane, Conrad C. Transforming Defense. [Carlisle Barracks, PA]: Strategic Studies Institute, U.S. Army War College.(with Patrick D. Allen)
 - 2001. "Technology's Knowledge Burden, the RMA, and the IDF: Organizing the Hypertext Organization for Future 'Wars of Disruption'". Journal of Strategic Studies. 24:2 (June).
 - 2001. "Technology's Knowledge Burden, the RMA, and the IDF: Organizing the Hypertext Organization for Future 'Wars of Disruption'". In Bar-Joseph, Uri (ed). 2001. Israel's National Security Towards the 21st Century. London: Frank Cass Publishers.
 - 2001. "Cyber Hot War: The Palestinian/Israeli Hacker Conflict." Proceedings of the 69th Military Operations Research Society Symposium. Annapolis, MD. June. (with Patrick D. Allen)
 - 2001. "An IO Conceptual Model and Application Framework". Military Operations Research Journal, Special Issue on IO/IW. 6:2 (June special issue) 9-22. (with Patrick D. Allen)
 - 2000. "The Need for, and Design of, an IO Federation of Models," Proceedings of the Standards Interoperability Workshop, (March). (with Patrick D. Allen)
 - 2000. "Recommendations on Higher-Echelon Organizational Behavior Models for Information Operations". Proceedings of the Computer Generated Forces Conference. May. (with Patrick D. Allen)
 - 1999. "Public Administration on the WWW - Evaluating Openness" (Offentlig forvaltning på World Wide Web: Evaluering af åbenhed). In K. V. Andersen, C. S. Friis, J. Hoff, & H. W. Nicolaisen (Eds.), Informationsteknologi, organisation og forandring - den offentlige sektor under forvandling (Information Technology, Organization and Change - Transforming the Public Sector). Translated into Danish. København (Copenhagen): DJØF-forlaget. (with Christian Friis and Todd M. La Porte).

- 1997. "Information Warfare, Complex Organizations and the Power of Disruption," invited essay, Enjeux Atlantiques (European defense journal) 14, February.

Works under Review

Demchak, Chris C. Wars of Disruption: Resilience in a World of Chronic, Violent, Grey Threats. elaborating previously published theory of action applied to modern smaller scale deliberate violent disruptions of complex social systems; book manuscript. Senior academic press

- "Institutionalizing Privacy and Future Security: *Virtual Experiment Testing the Value of Behavior-Based Privacy for Finding Bad Actors*" Computational and Mathematical Organizational Theory With Kurt Fenstermacher. Mike Ryckman, Paolo Tanimoto, and Edwin Skidmore.

Works in Progress

Demchak, Chris C. 2008-9 forthcoming submissions:

- "North American Regionalism (defense, economic and environmental)" In Stuart Croft, ed. Comparative Regionalism, transnational book project, expected completion for submission late 2009.
- "Playing it Through: Using Simulations Operationally to Adapt to Surprise", review of the current state of knowledge, Arizona Eller College Foundation grant project.
- "Dark Surprises and the Emerging Global Socio-Technical Infrastructure (GSTI)" with Sandro Gaycken, University of Stuttgart.
- "Fortresses and Badlands: Security and Institutional Evolutions of the Interneted World", manuscript under revision.
- "Self-Surprising Systems: Lessons from War's Extreme Events and Largescale Organizations", paper on historical examples of complexity and surprise in complex organizations using military history examples of adaptive behaviors and learning. Intended submission
- "Security Dilemmas and the Public Face of Covert Organizations: Tracking Terrorists in the Internet" conference paper under revision for submission

Scholarly Activities

Invited Essays and Reviews

- Demchak, Chris C. 2003. Review essay of The Mind of War: John Boyd and American Security. Grant T. Hammond. 2001. London: Smithsonian Institution Press. In Contemporary Security Policy.
- 2002. "Technology and Complexity: The Modern Military's Capacity for Change," US Army War College Annual Strategy Conference. Proceedings of Annual Strategy Conference: Transforming Defense in an Era of Peace and Prosperity. April 17-20, 2001. Carlisle, Pennsylvania. (with Patrick D. Allen)
- 2000. Book review of Military Leadership. Taylor, Robert L. and William E. Rosenbach, eds. 1996. 3rd edition. Boulder, CO: Westview Press. In Journal of Contingency and Crisis Management. 8:1 (March).
- 1999. "End Run: A Simulation Architecture for Information Warfare Report," McLean Research Corp., DARPA SBIR DAAH01-99-C-R113, December. (with Patrick D. Allen)
- 1998. book review of Fundable Knowledge The Marketing of Defense Technology. A. D. van Nostrand. Mahwah, NJ: Lawrence Erlbaum Associates, Publishers, 1997. In Journal of Policy Analysis and Management, 17:4 (June) 745-748.
- 1997. "Modems, Miracles and Mixed Blessings," invited essay, Initiative, newsletter of the Udall Center for Studies in Public Policy, University of Arizona 8:1, summer.
- 1995. "Complex Adaptive Systems, Chaos, and Contemporary Policy Making," invited essay and book review of organizational change in large technical systems, Policy Studies Journal 23:2, fall 1995.
- 1995. "Computers as Substitute Soldiers?" invited essay, Communications of the ACM, February. (with Seymour E. Goodman).
- 1994. book review (expanded) of Changing Large Technical Systems. Jane Summerton, ed., Boulder, CO: Westview Press, 1994, 348 pages. In Policy Studies Journal, 23:2, 1995.
- 1994, "Cyberspace and Emergent Body Politic: Tough Issues, Murky Structures and Unknowns of the "Net-Polis," invited essay, Policy Currents, Policy Section newsletter, APSA (American Pol Sci Assn), 4:4, Nov 1994.
- 1994. book review of Bureaucracy in Crisis: Three Mile Island, the Shuttle Challenger, and Risk Assessment. Maureen Hogan Casamayou. Boulder, CO: Westview Press, 1993, 215 pages. In Policy Currents, Policy Section newsletter, APSA (American Pol Sci Assn), 4:1 February 1994.
- 1994. book review of The Japanese Prime Minister and Public Policy. Kenji Hayao. Pittsburgh: University of Pittsburgh, 1993, 349 pages. In Policy Studies Review, December 1993.

- 1994. book review of War in the Age of Intelligent Machines. Manuel De Landa, New York: Zone Books, 1991, 271 pages. In Armed Forces and Society, journal of the Inter-University Seminar on Armed Forces and Society, December 1993.
- 1994. book review of Winning the Next War: Innovation and the Modern Military. Stephen Peter Rosen, Cornell University Press, 1991, 287 pages. In Survival, journal of the International Institute for Strategic Studies, winter 1992-93.
- 1992. book review (expanded) of The Foundations of Defensive Defence. Anders Boserup and Robert Neild (eds.), London: The MacMillan Press Ltd., 1990, 201 pages. In Survival, journal of the International Institute for Strategic Studies, spring 1992. (with Gene I. Rochlin).
- 1991. "The Gulf War: Technological and Organizational Implications," invited essay, Survival, journal of the International Institute for Strategic Studies, May/June 1991.
- 1991. book review of Armed Services and Society. Martin Edmonds. Boulder, CO: Westview Press, 1990, 226 pages. In American Political Science Review, March 1991.

Conferences Presentations

- Demchak, Chris C. 2007. "Wars Of Disruption and Resilience In A World Of Chronic Violent Threats" International Security Studies Section separate annual meeting, International Security Assn, Montreal, Canada, October 18-20.
- 2007. panel chair, "Collaborative Capacity" Public Management Research Association annual conference, Tucson, Arizona, October 25-27.
- 2007. panel chair, "Governance, Security and Foreign Policy", International Security Studies Section separate annual meeting, International Security Assn, Montreal, Canada, October 18-20.
- 2007. invited presentation, international conference sponsored by University of Leiden and ECMA and intended results for an edited book, "Resilience", 8-10 June, Leiden, Netherlands.
- 2007. invited participation, conference on "New Challenges for Public Organizations. Building High Reliability Research and Legacy of Todd R. LaPorte", sponsored by University of California, Berkeley, April 12-14
- 2007. invited presentation "Institutionalizing a "Nexus of Knowledge" in Civil-Military Counterterrorism Operational Planning -- Case of India" " conference on "Civil-Military Cooperation in Multinational Missions", hosted by Forum for Security Studies, Swedish National Defence College, Stockholm, Sweden. January 18-19.
- 2006. " 'Knowledge Nexus': Learning Security in the Information and Terrorism Age", (with Eric Werner, UA senior undergraduate) (70%) International Security Studies Section separate annual meeting, International Security Assn, Tucson, October 26-28.
- 2006. "Tacit Knowledge, Complex Militaries, and the ATRIUM". Presentation for The Patuxent Summer Institute workshop, "Future Roles of the U.S. Navy", St. Mary's College of Maryland, 5-7 June 2006.
- 2006. "Embracing Surprise in Critical Infrastructure: Lessons in Crisis Management from Military History". Paper presentation for International Workshop on "Future Challenges for Crisis Management in Europe", sponsored by SEMA (Swedish Emergency Management Agency), Stockholm, 4-5 May.
- 2006. "Security Dilemmas and the Public Face of Covert Organizations: Tracking Terrorists in the Internet, paper on indicators of organizational structures behind covert, semi-covert, and overt websites for the International Studies Association annual conference late March 2006 in San Diego.
- 2006. "Noticing Unknowns in Self-Surprising Systems". Paper presentation for Workshop on sponsored by sponsored by ECMA (EU Crisis Management Agency) and University of Pittsburgh Graduate School of Public and International Affairs, Pittsburgh, PA. 5 March.
- 2005. panel chair, "Manifestations of Terrorism" International Security Studies Section separate annual meeting, International Security Assn, Denver, October 28-29.
- 2005 panel chair. "Multilateral Military Issues (updated)". International Security Studies Section separate annual meeting, International Security Assn, Denver, October 28-29.
- 2005. "Ensuring Security, Enhancing Privacy: Modeling an Institutional and Technical Compromise for the Information and Terrorism Age" ". National Public Management Research Conference, USC, Los Angeles, CA, 29-30 Sep. (with Kurt Fenstermacher)
- 2005. panel chair: "Offensive Realism, Global Jihadi Networks and the Power of Preemption", APSA (American Pol Sci Assn) Annual Meeting, Washington DC. 1-4 September.
- 2005. "Where Personalization, Privacy, and Security Meet". International User Modeling Conference, workshop on Privacy Enhanced Personalization, Edinburgh, Scotland, 25 July. (with Kurt Fenstermacher)

- 2004."Channeling Trends in Knowledge and Security Organizations" Harvard Kennedy School, NSF and CIA sponsored conference, "Strategic Issues for Intelligence Practice in the 21st Century". Santa Fe, NM (7-8 December).
- 2004 "Comparative Security and Midrange Theory of Latitude". Law, Criminal Justice and Security Seminar. University of Arizona Law School. (4 November).
- 2004. panel chair, "Multilateral Military Issues." International Security Studies Section separate annual meeting, International Security Assn, Washington DC Oct 29-30.
- 2004. panel chair: ""What determines military success?", special panel sponsored by Committee for the Analysis of Military Operations and Strategy, APSA (American Pol Sci Assn) Annual Meeting, Chicago, IL 2-5 September.
- 2004. presenter, roundtable: ""Complexity Theory, Security, and the International System." APSA (American Pol Sci Assn) Annual Meeting, Chicago, IL 2-5 September.
- 2004. "Balancing Security and Privacy in The 21st Century." National Science Foundation Symposium on Intelligence and Security Informatics for National and Homeland Security, Second Symposium on Intelligence and Security Informatics (ISI 2004), Tucson, AZ. June 10-11.
- 2003. "Have Networked Information Technologies Made a Difference to Government Performance? An Assessment of Administration, Participation, and Management". 7th National Public Management Research Conference. Georgetown, Washington DC (October 9-10). (with Todd La Porte, presenter, and Chris Weare).
- 2003. panel chair, "Roundtable: Why not break up Iraq: Realist, Institutional and Constructivist Practical Debate", International Security Studies Section separate annual meeting, International Security Assn, Carlisle PA, Oct 31-1 Nov.
- 2003. presenter, roundtable: "Complex Theory, Security and the International System", APSA (American Pol Sci Assn) Annual Meeting, Philadelphia, 28 August-2 September.
- 2003. "ATRIUM: a Knowledge Model." ISI Intelligence and Security Informatics for National and Homeland Security, First Symposium on Intelligence and Security Informatics (ISI 2003), Tucson, AZ. June 2-3.
- 2003. discussant on senior scholar roundtable: "Offensive Realism, Radical Nationalism, and the Bush Doctrine of Preemption", APSA (American Pol Sci Assn) Annual Meeting, Philadelphia, 28 August-2 September.
- 2003. "Atrium" a Knowledge Model for Security Forces in the Information and Terrorism Age". International Studies Assn annual conference. Portland, Oregon (February 23-26).
- 2002. "Wars of Disruption: International Competition and Information Technology-Driven Military Organizations". Conference on "Security in the Information Technology Age" sponsored by the University of California Joint Center for International and Security Studies (JCISS) and Center for Security Studies and Conflict Research, Swiss Federal Institute of Technology, Zurich. Livermore, CA: Lawrence Livermore Lab. (April 19).
- 2001. invited presentation. Security and the Internet – Small Panel Symposium. University of Aberystwyth. October 25-26. United Kingdom. (symposium postponed to 2002 due to attack of September 11, 2001. and then later cancelled)
- 2001. "Management and Human Factors". OECD Workshop: Information Security in a Networked World. Conference jointly organised by Organisation for Economic Co-operation and Development (OECD) and the Government of Japan (GOJ). Tokyo, Japan: 12-13 September.
- 2002 (April). "Conflict and Warfare in the Information Age". Presentation for Redefining Security in the Information Age conference sponsored by Joint Center for International and Security Studies (JCISS). December. University of California Davis.
- 2001. "Information Warfare, Surprise, and Changing Leadership Presumptions". Presentation for Army Research Institute (ARI) conference on "Leadership at a Distance". October 18-20, Scottsdale, Arizona. (with Emily Goldman and Patrick D. Allen).
- 2001. "Egovernance, Ecommerce and Daunting Social Challenges across Levels of Government: Local, National and International". Sixth National Public Management Research conference. University of Indiana. October 19-21. (presented by coauthor Todd M. La Porte)
- 2001. "The RMA and Organizing the Israeli Defense Force for future "Wars of Disruption"". paper presentation at the APSA (American Pol Sci Assn) Annual Meetings, September. San Francisco, California. Sep 2.
- 2001. "Hotlinked Governance: A Worldwide Assessment, 1997-2000". paper presentation at the APSA (American Pol Sci Assn) Annual Meetings, September. San Francisco, California. Sep 2. (presented by coauthor Todd M. La Porte)
- 2001. "Cyber Hot War: The Palestinian/Israeli Hacker Conflict," 69th Military Operations Research Society Symposium, Annapolis, MD. June. (presented by coauthor Patrick D. Allen)

- 2001. "E-Commerce and E-Governance: Mutual Catalysts or Separate Spheres?". Fifth International Research Symposium on Public Management. Barcelona, Spain. April 9-11, 2001. (presented by coauthors Todd M. La Porte and Christian Friis)
- 2001. "State Security Paths in a Digital Mass Society: New Internet Topologies and Security Institution Obligations". Cambridge Review of International Affairs Seminar on State Security and the Internet. London, May 18-19.
- 2001. "Technology and Complexity: The Modern Military's Capacity for Change," US Army War College Annual Strategy Conference. "Transforming Defense in an Era of Peace and Prosperity". April 17-20, 2001. Carlisle, Pennsylvania. (with Patrick D. Allen)
- 2000. invited panel chair. "New Global Threat Analysis". Conference on Globalization and Security. International Studies Assn, International Security Studies Section annual conference. Denver, CO. 9-11 November.
- 2000. "Democracy and Bureaucracy in the Age of the Web." International Political Science Assn annual meeting, Montreal, Canada, Aug 5. (presented by coauthors Todd M. LaPorte, Christian Friis, and Martin de Jong).
- 2000. "Trapped in the Net: Roundtable Presentation on Rochlin's 1998 book on implications of web technologies." APSA (American Pol Sci Assn) annual conference. Washington DC. Sep 3.
- 2000 "The Need for, and Design of, an IO-ISR Federation of Models". Paper submitted for presentation and publication in proceedings. Simulation Interoperability Standards Organization's (SISO) annual conference and proceedings, Mar 2000, Orlando, Florida. (presented by coauthor Patrick Allen). Award: SISO certificate as one of ten best papers presented at this conference.
- 2000. "An Information Operations (IO) Conceptual Model and Application Framework." paper submitted to Military Operations Research Society (MORS) Symposium, 20-22 June 2000 Air Force Academy, Colorado Springs, CO (presented by coauthor Patrick Allen).
- 2000. "Beginning of New Governance? Data Patterns in Web Use by Middle Eastern Governments." University of Arizona Middle East Center Conference on Internet and the Middle East. April 11. Tucson, Arizona.----- 1999. "Public Organizations on the World Wide Web: Empirical Correlates of Administrative Openness". National Public Management Research Conference. December. College Station, Texas. (presented by coauthors Todd M. LaPorte, and Martin de Jong).
- 1999. Revolution in Military Affairs in Developing States: Botswana, Chile, and Thailand Dilemmas of Image, Operations, and Democracy" National Security Studies Quarterly Conference, "Technology Diffusion, International Military Modernization, and the International Response to the Revolution in Military Affairs", sponsored by National Security Studies Program of the Edmund A. Walsh School of Foreign Service, Georgetown University. October 13-14. Washington DC.
- 1999. "Security and Technology in the past Twenty Years" International Studies Assn, International Security Studies Section annual conference, 12-13 November, Washington DC
- 1999. "'E-space' Evolution: US-defined Emergent Models for National Security and Agency Governance". paper presented at the APSA (American Pol Sci Assn) Annual Meetings, September. Atlanta, Georgia.
- 1998. invited Panel Chair, "Past and Future Perspectives on Security Policymaking," International Studies Assn, International Security Studies Section annual conference, 6-7 November, Monterrey, California.
- 1998. invited speaker, "Governance and the Internet" and "Creating the Enemy: Worldwide Diffusion of an Electronic Military", University of California Davis, Joint Center for International and Security Studies, Davis, California, 4-5 November.
- 1998. " Diffusing Models of IW Militaries, the RMA and the Inter/Intra-Net", paper presented at the APSA (American Pol Sci Assn) Annual Meetings, September. Boston, Massachusetts.
- 1998. " Evaluating Openness in Agencies with the Web: Conceptual Black Holes and Partial Solutions ", paper presented at the APSA (American Pol Sci Assn) Annual Meetings, September. Boston, Massachusetts.
- 1998. invited participant/author, annual conference European Group on Public Admin, Tilburg, Netherlands. May.
- 1997. invited Panel Chair, "Models of Militaries in the Post-Cold War Era," International Studies Assn, International Security Studies Section annual conference, November.
- 1997. invited, "Public Agencies and Operational Uses of the Web," National Public Management Research Conference, October.
- 1997. "Mis-Anticipation of War through "Operations without Organizations": Trading Information for Mass in Emergent Military Socio-Technical Systems," APSA (American Pol Sci Assn) annual conference, September.
- 1997. invited Panel Chair, "Models of Proliferation and Deterrence with Small Forces," APSA (American Pol Sci Assn) annual conference, September.
- 1996. "Constructing the Enemy: Military Structuration and Autopoiesis in International Security," International Studies Assn, International Security Studies Section annual conference, November.

- 1996. invited Panel Chair, "Strategic Forces in the Post-Cold War Era," ISSS conference, November.
- 1996. "Operations without Organizations: Security Implications of Information Warfare and Military Structures," APSA (American Pol Sci Assn) annual conference, September.
- 1995. invited, "Complex Technologies, Organizational Implications, and Force Structures," Conference on Armed Conflict into the 21st Century: Politics, Strategy and Technology, Bar Ilan University, Tel Aviv, Israel, November.
- 1995. invited, "Postmodern Advantages of Premodern Public Structures: Likely Systems Fit of American and European Public Agencies in Cyberspace," National Public Management Conference, October.
- 1995. invited panel organizer and chair, "Cyberspace and Emergent Networked Society," APSA (American Pol Sci Assn) annual conference, September.
- 1995. "Cyber-Crats" among "Cyber-Orgs"? Public Organizations' Paradox of Participation in Regulating Transnational Networks," APSA (American Pol Sci Assn) annual conference, September.
- 1995. "High Reliability Implications of Military Modernization: Will Defense Leaders Want What They Get when They Get It?" APSA (American Pol Sci Assn) annual conference, September.
- 1995. "Fully Networked Battlespace: Uncertainty and the "Information Age" Army," 14th European Conference on Operational Research, Jerusalem, Israel, July.
- 1994. "Complex Technologies, Conflicted Organization: Modernization-Driven Changes in the Israeli Defense Force," APSA (American Pol Sci Assn) annual conference, September.
- 1993. invited, "Coping, Copying and Concentrating: Organizational Learning and Modernization in Militaries (Israel, Germany and Britain), National Public Management Conference, October.
- 1992. Chair, panel on Arms Control and Disarmament, International Studies Assn, International Security Studies Section (ISSS) annual conference, November.
- 1991. "High Tech' Arms and Democracies: Political Control of Modernized Militaries (applications to central Europe)," APSA (American Pol Sci Assn) annual conference, September.
- 1990. "Advanced Technologies and Modern, Smaller Defense Organizations: Germany, Israel and Britain," APSA (American Pol Sci Assn) annual conference, September.

Seminars

- Demchak, Chris C. 2004. "Complex Systems Approach to Global Mujahedin Security Challenge" Strategic Issues for Intelligence in the 21st Century (Session IV: What Does the Future of Science and Technology Hold for the Practice of Intelligence?). Scholars workshop sponsored by Harvard Kennedy School, State Department, CIA Sherman Kent School for Intelligence Analysis and Sandia National Lab. Santa Fe, NM. 6-8 December.
- 2003. "'Atrium" - A Knowledge Model for Modern Security Forces in the Information and Terrorism Age. Intelligence and Security Informatics (ISI): presentation. First annual NSF/NIJ Symposium, ISI 2003, Tucson, Arizona (June 2-3) 223 - 231
 - 2000. invited to teach seminar, "Organizational Elements, Implications, and Alternatives to the 'Revolution in Military Affairs.'" George C. Marshal European Center, "Leaders for the 21st Century" Course 00-5. Garmisch-Partenkirchen, Germany. 23 October. (family medical emergency intervened)----- 1999. invited talk, "Implications for Global Military Community of Technological Advances in Militaries over the past Twenty Years," National Intelligence Committee, office of NIO BG Landry (retired), 13 November 1999, Washington DC.
 - 1994. invited, Information Systems panel, U.S. Army "Information Warfare and Army Force 2000," Ft. Huachuca, Arizona, January.
 - 1993. invited, "Complex Organizations, Complex Machines: Comparative Perspective," Udall Center, University of Arizona, May.
 - 1993. invited, "Colonies or Computers: Modernization and Organizational Challenges to the Future British Army," British Military Studies seminar, London, March.
 - 1992. invited, international seminar on "Regional Security Regimes: Israel and Its Neighbors," Bar-Ilan University, Israel, June.
 - 1992. invited, international seminar on "Future European Security Regimes," Friedrich Ebert Stiftung, London, January.
 - 1991. invited, seminar on "Threat Perceptions and Military Doctrines," Eotvos Lorand University, International Law Department, Budapest, Hungary, April.

Workshops

- 1995. invited participant, "Inadvertant Organizational Effects of Modernization," Office of the Chief of Staff of the Army, Army Digitalization Office, Pentagon, Washington D.C., April .
- 1995. and Helen Ingram, co-organizers, "Cyberspace and Emergent Body Politic: Tough Issues, Murky Structures and Unknowns of the "Net-Polis," cosponsored by the International Studies Assn, the Udall Center for Public

Policy of the University of Arizona, the University of Arizona's School of PA and Policy, and the University of Arizona's Political Science Department, April, Tucson.

----- 1990. invited discussant, panel on comparative military and civilian organizations, Military Organization Workshop, National Research Council, Commission on Behavioral and Social Sciences and Education, San Francisco, California. September.

COURSES TAUGHT

PA 236 Globalization and Security: the Clash of Largescale, Nested Systems. Undergraduate, spring 2009.

PA/POL/LAW 419/519 Governance and Security (Formation of State, War, and Response to Terrorism), undergraduate and graduate level, fall 2002 to present.

PA/POL 411 Comparative Security Systems, fall 2008 to present

PA 597A Public and Nonprofit Management Information Systems Practicum, MPA/graduate skill required course. Spring 2008 to present.

PA/MAP/POL 435/535 International Management, undergraduate fall 1991-2005, graduate 1992-2000

PA 501 Organization Theory, MPA core course, 1991-1997

PA 502 Organization Behavior and Information Systems Management, MPA core course, spring 1992-1999

PA/POL/IRLS 502 Public and Nonprofit Management Information Systems, MPA/graduate skill requirement elective, 2000-2007

PA/POL/MIS 496/596B Organizations, Privacy and Security (OPS), co-taught, undergraduate and graduate level, 2004-2006.

MIS 470 Strategic Management and MIS, spring 1999.

PA/POL 406 Bureaucracy, Politics, and Policy (Security and Institutions emphasis), undergraduate spring 1999-2007

PA/POL 480, Public Policy, undergraduate spring 1992-1998

OTHER ACTIVITIES

Invited participant expert, DOD SHARP (Summer Hard problems) program, June 2007

Elected Section Chair, 2000 -2005, Board Member 1996-1999 and 2006-2010. APSA (American Pol Sci Assn), International Security and Arms Control section. Program Chair, 2003,

Elected Board Member, 2002-2006, 2007-2009, 2009-2012. International Studies Assn, International Security Studies Section. Program Chair, annual ISSS-ISAC conference 2002.

Editorial Board and Program Committee, Intelligence and Security Informatics (ISI). First (and each subsequent) annual NSF/NIJ Symposium, ISI 2003-2008 (in Tucson, Arizona and other venues).

Editorial Boards::

Strategic Studies Quarterly, 2007 – present

Administration and Society 2005 --- present

The Forum: A Journal of Applied Research in American Politics Sep 2001-2007.

Field Investigator, 1999-2000. Critical Infrastructure Project (Y2K), National Research Council.

Member, Steering Committee, 1999-2000, CSS 2000 Steering Committee, online Computers and the Social Sciences 2000 annual conference, G. David Garson (UNC) chair.

Webmaster, 1997-2002. home page for International Studies Assn, International Security Studies Section, w3.arizona.edu/~isssisac.

Webmaster, 1997-2002. home page for APSA (American Pol Sci Assn), International Security and Arms Control Section w3.arizona.edu/~isssisac.

Numerous local talks to area groups on topics of security in Africa, Balkans (Kosovo), and Middle East (Israel and Iraq)