

Curriculum Vitae: William Hanson
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EDUCATION

PhD Candidate – University of Oklahoma, 3.94 GPA, ABD. Dissertation completion anticipated Spring 2009. Chair: Prof. Suzette Grillot

- Fields: International Relations, Public Administration, Public Policy

MS – National Security Strategy, National War College 1994, Distinguished Graduate

MS – Operations Research, AF Institute of Technology 1985, 3.78 GPA

BS – History, US Air Force Academy, 1976

RESEARCH, CONFERENCE PAPERS AND PUBLICATIONS

Research Interests:

- International Relations: Decision Making, IR Theory, International Organizations, Foreign Policy, Arms Control
- Public Administration: Decision Making, Organizational Management and Behavior, Governance
- Public Policy: Nuclear Proliferation, Prevention of Terrorism, Technology Policy

Dissertation:

- Approaches to Decision: Rationality, Structure and Cognition. Anticipated completion: Spring 2009.

Applying memory-based models of cognition to analyze and predict how the structure of the problem and the process of cognition affect decision-making. Initial validation of simulation presented at APSA to good reaction. Have completed development and testing of a memory-based simulation which learns and reacts to various opponents both in a game-theoretic setting and in a simplified multi-player system of international interaction. Currently extending the simulation to model alliance and conflict behavior in both the European pre-WWI and Cold War cases.

Conference Paper:

- “Can We Remember Rationally? A Memory-Based Model” presented to the Annual Meeting of the American Political Science Association, 2006.

Published Paper in a Professional Journal:

- “Aux États-Unis: contrôle des armes nucléaires pour les années 90 et au-delà [From the United States: Nuclear Arms Control for the 1990s and Beyond],” in the French Military Journal *Les Cahiers De Mars*, No. 153, 2nd Trimester 1997.

Other Papers:

- “Protracted Deterrence: An Approach to Roll Back Nuclear Proliferation.” Unpublished Thesis, National War College 1994.
- “A Methodology for Analyzing Arms Control Agreements.” Air Force Institute of Technology, 1985, published through Defense Technical Information Center.

Other Presentations:

- “Approach to Decision: Cognition, Situation, and Rationality” presented to the Institute for Global Conflict and Cooperation’s Public Policy and Nuclear Threats Seminar, UC San Diego, 2008.

TEACHING EXPERIENCE

University of Oklahoma -- Political Science 2173: Administration and Society (scheduled Spring 2009). Currently developing course syllabus.

University of Science and Arts of Oklahoma – Political Science 3753: Public Administration (scheduled Spring 2009). Currently developing course and course syllabus, first time this course will have been taught in over 4 years.

-- **Political Science 3643: International Relations** (Fall 2008). Developed course and syllabus, first time this course had been taught in 4 years. Upper division course covering application of International Relations theory to issues of state behavior, decision making, international organizations, globalization issues, war and social justice. Created and hosted class “wiki” page for online discussion and collaboration. Sole classroom instructor.

University of Oklahoma – Political Science 2503: Relations Among Nations (Fall 2008). Introductory “Gateway” course for Political Science majors covering International Relations theory, levels of analysis, and application of theory to a wide variety of issues. Developed new syllabus, sole classroom instructor.

-- **Political Science 2103: Introduction to Political Analysis** (Fall 2008). “Gateway” course for Political Science majors covering hypothesis development, development and operationalizing variables, study design, data collection, tests of hypotheses, and basic statistical techniques including linear regression. Developed new syllabus to change emphasis to hands-on development of analysis and skills in Excel. Sole classroom instructor.

Realization Technologies: (2007). Hands-on instruction as a business consultant with clients ranging from top-level management to shop floor. Taught principles of project management, Excel skills, and formal instruction on use of proprietary software tools.

University of Oklahoma

-- **School of Library and Information Science, LIS 4003: Information Systems and Networks** (Fall 2004, Spring 2005, Fall 2005, Spring 2006, Summer 2006 (online), Fall 2006, Spring 2007 (online)). Upper-division course covering use of information systems in both academic and business settings. Included practical experience in formal methods of database design and creation of databases in Access, theory and practice of web page design using both HTML and CSS, including creation of web pages. Created syllabus and was sole classroom instructor. Designed and taught course in both traditional and online settings. Used online course tools (Blackboard, Desire2Learn) for all courses.

-- **Department of Aerospace Studies (Air Force ROTC), Aero 2011/2021: History of Air Power** (Fall 2001, Spring 2002, Fall 2002, Spring 2003, Fall 2003, Spring 2004). Included problems of developing technology, organizational development and change, use of the military to achieve national political objectives, and examples of leadership. Used Blackboard online class tools 2002-2004. Sole classroom instructor.

-- **University College, Univ 1200: Gateway to College Learning** (Fall 2002). Introductory course for 1st-semester freshmen. Included study skills, methods of learning, use of university facilities, budgeting, health and safety on campus.

US Air Force

-- **Instructor Pilot and Flight Evaluator** (1989-2003). Responsible for all aspects of flight training and evaluation for both pilots and copilots, including initial qualification, pilot upgrade, instructor pilot training, and specialized tactics.

FELLOWSHIPS, HONORS AND AWARDS

- Fellowship (fully funded) – Institute for Global Conflict and Cooperation’s Public Policy and Nuclear Threats seminar, Summer 2008
- Fellowship (fully funded) – MIT Seminar XXI: Foreign Policy, International Relations, and the National Interest, 1996-1997
- University of Oklahoma Graduate Student Senate Travel Award (\$300), Fall 2006
- Distinguished Graduate: National War College (1994)
- Tau Beta Pi (Engineering Honor Fraternity) (1985)
- Omega Rho (Operations Research Honor Fraternity) (1985)

RELEVANT PRACTICAL EXPERIENCE

Systems Manager, Public Administration Review (2005-2007). Responsible for all aspects of managing the “double blind” review system for submitted manuscripts, including assisting the Managing Editor in selection of reviewers, support of editorial decisions, and preparation of correspondence for the Managing Editor. Changed and streamlined review process, including introduction of web-base manuscript submission and review tools, which resulted in decrease of average review turn time from over 7 months to less than 2 months.

Professor and Chair, Aerospace Studies Department (Air Force ROTC), University of Oklahoma (2001-2004). Responsible for all aspects of the functioning of the Aerospace Studies Department, including budgeting, hiring and evaluation of instructors and staff, coordination with university officials, and compliance with both Air Force and University of Oklahoma standards. Led unit to 30-year records in student recruitment, graduation rate, and quality standards. Students won more individual awards for each year of my tenure than any other ROTC unit in the country.

Chief, Long-Range Strategic Planning Division, Headquarter US Air Force, Pentagon (1999-2001). Responsible for creation of the Air Force Strategic Plan, the Air Force Capabilities Investment Strategy (an 18-year, \$720 Billion forecast of future technology and system investment), and Air Force Planning Guidance (linked Air Force strategic direction to current budgeting and programming of about \$100 Billion per year). Participated in all aspects of force structure decisions, advanced technology acquisition, and other planning and budgeting at the highest levels of the Air Force.

Chief, Strategy and Policy Division, US Strategic Command (1997-1999). Responsible for national-level strategic guidance for nuclear weapons and information warfare employment. Used “alternative futures” methodology to develop the command’s first long-range plan. Used survey-based Delphi technique which polled leading scientific researchers nationwide to create a command scientific investment strategy. Responsible for arms control policy and military-to-military relationships with the Russian Federation. Created command strategy for dealing with regional nuclear threats and nuclear terrorism.

Senior Advisor, US Delegation to the Conference on Disarmament, Geneva and US Delegation to the United Nations First Committee (Arms Control and Disarmament) (1995-1997). Joint Chiefs of Staff (JCS) Representative to the US delegation. Responsible for face-to-face multilateral diplomacy with foreign counterparts and integrating arms control considerations into JCS strategy. Key activities included successful negotiation of the Comprehensive Test Ban Treaty, proposed treaties for fissile material control regimes, anti-personnel landmines, radiological weapons, and weapons in space.

Strategic Policy Planner, Joint Chiefs of Staff (1994-1997). Responsible for military policy on a variety of bilateral and multilateral nuclear arms control agreements. Personally prepared and supported JCS Chairman during Senate testimony leading to ratification of the START II treaty. Member of START Joint Compliance and Inspection Commission. JCS member of Nuclear Safeguards, Transparency and Irreversibility Talks with the Russian Federation. Helped negotiate Helsinki Summit agreement, along with two other summit agreements on arms control issues.

SERVICE TO UNIVERSITY AND COMMUNITY

- University of Oklahoma, President's Distinguished Faculty Mentor, 2003
- Reviewer for Public Administration Review (2005-present)
- University of Oklahoma Faculty Speaker's Bureau, 2001-2004. Gave "America's Post-Modern Military" presentation to a wide variety of audiences throughout the state
- Non-degree-granting college representative to the University of Oklahoma Faculty Senate, 2001-2003
- Remained as special advisor to my ROTC students after leaving the Air Force. They had won the right to host a major (1200+ attendees) national conference in conjunction with the 10th anniversary of the Oklahoma City bombing, and I remained with them to help them complete the project. (2005)
- Member, American Political Science Association
 - o International Security and Arms Control, Political Psychology Sections
- Member, American Society for Public Administration
- Member, Midwest Political Science Association