

# David C. Earnest

Odeen-Swanson Distinguished Professor  
Chair, Department of Political Science

## University of South Dakota

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414 E. Clark Street  
Vermillion, SD 57069

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### Appointments

Odeen-Swanson Distinguished Professor and Chair Department of Political Science, University of South Dakota	2017–Present
Associate Dean for Research & Graduate Studies, College of Arts & Letters Old Dominion University (ODU), Norfolk, Virginia	2014–17
Professor of Political Science and International Studies, ODU	2016–17
Associate Professor of Political Science and International Studies	2009–16
Visiting Associate Professor, Business School, University of Sydney (Australia)	2011
Assistant Professor of Political Science and International Studies, ODU	2004–09
Research Associate, George Washington University, Washington, DC	1999–2004
Fellow in Political-Military Studies, Center for Strategic & International Studies, Washington, DC	1992–97

### Education

Ph.D., Political Science, George Washington University	2004
M.A., Security Policy Studies, Elliott School of International Affairs, George Washington University	1994
B.A. with Honors, Political Science, Stanford University	1991

### Administrative Achievements

Chair, Department of Political Science, University of South Dakota	2017–Present
<ul style="list-style-type: none"><li>Lead a department of 15 faculty and three staff offering courses in six disciplines (political science, criminal justice, public administration, international studies, nonprofit administration and legal studies).</li><li>Manage curriculum, scheduling, student advising, and assessment for three graduate and three undergraduate degree programs in both face-to-face and online modalities that generate 8,300 student credit hours per annum.</li><li>Organize and schedule events, lectures, and professional development programs for 385 undergraduate majors and 175 graduate students.</li><li>Manage an annual budget of \$2 million tuition-generated revenues and \$400,000 annual spendable from the department's endowment.</li><li>Increased department endowment by \$2.8 million, a growth of 31 percent.</li><li>Improved efficiencies (+6.6 percent growth in average student credit hours per section) while deactivating two underperforming graduate degree programs.</li></ul>	
Associate Dean for Research and Graduate Studies, College of Arts and Letters, ODU	2014–2017
<ul style="list-style-type: none"><li>Achieved a 42 percent growth in sponsored research.</li><li>Implemented a graduate enrollment management plan to diversify recruitment streams; improve social media marketing; initiate online offerings; implement customer resource management and web-based admissions dashboard; and improve conversions and enrollments.</li><li>Supervise twelve graduate programs (eight M.A.s, three Ph.D.s, and an MFA) with about 120 faculty and 300 graduate students.</li><li>Manage a \$2 million annual budget for graduate assistantships.</li></ul>	

- Supervise curriculum, curricular revisions, and the graduate catalog.
- Oversee program evaluations and annual assessments.
- Assure compliance with state and accreditor requirements.
- Manage faculty records and certification for graduate instruction.
- Supervise eleven graduate program directors; director of the Social Science Research Center; two thesis/dissertation style editors; administrative assistant; graduate assistant; and three student workers.

#### University Strategic Planning, ODU

2013–2017

- Co-chaired the Committee on Academic and Research Strengths charged with developing the university's research, teaching, practicum, and job creation priorities for the 2014-2019 period.
- Analyzed emerging cost drivers, revenue constraints, and disruptive technologies that will require the University to prioritize investments of resources.
- Articulated five principles to guide University strategic planning: planning not only for five years but also for the next two decades; nurturing flexible and adaptive practices; conserving existing strengths; selecting, retaining and promoting our best people; and innovation through multiple pathways.
- Developed seventeen strategic recommendations, each with an operational plan that identified executive responsibility; timeline for implementation; necessary resources; and measures of success.
- Member of the Academic Affairs Action Plan committee that sets priorities for the Office of Academic Affairs.

#### Research Collaborations and Cross-Disciplinary Partnerships

- Over \$300,000 in sponsored research in collaboration with colleagues in oceanography, engineering, and women's studies.
- Established graduate certificates in modeling & simulation and international development. As associate dean, supervised the establishment of certificates in health and the humanities, and entrepreneurship and social justice (2010-Present).
- Participated in the development of a Ph.D. in interdisciplinary studies, to serve as an incubator for transdisciplinary fields of study (2014-15).
- Supervised an undergraduate researcher who received a grant from ODU's Undergraduate Research Program (2012).

#### Global and Local Engagement

- Brought the Chiesman Center for Democracy to the University of South Dakota.
- Partnered with the Colorado Haiti Project and ODU's Department of Women's Studies to develop a community health assessment in Petit Trou du Nippes, Haiti. Supported a colleague and two graduate students in international studies who twice traveled to Haiti to conduct the assessment (2012-14).
- Developed a memorandum of understanding with the Turkish National Police and Turkish Military Academy to provide doctoral training to military and civilian professionals (2007-Present).
- Partnered with the University of Sydney and the Syddansk Universitet (the University of Southern Denmark) to develop and teach courses in complex systems theory (2011-12).
- Work with Norfolk's military community (the Joint Forces Staff College; NATO Allied Command Transformation) to provide graduate training to active duty military officers, and internships for international studies graduate students.
- Provided continuing education courses in modeling & simulation to the U.S. Space Warfare Command; U.S. Naval Surface Warfare Laboratory; Northrop Grumman; and Newport News Shipbuilding (2007-10).
- Have taught at universities in Australia and Denmark (2011-12).

#### Curricular Innovations

- Developed and taught an interdisciplinary course in complex systems theory and agent-based modeling. Topics include nonlinear dynamics; chaos theory; Boolean logic; the basics of object-oriented programming; genetic algorithms; and an introduction to the NetLogo modeling environment (2009-12).

- Created Visuals and Imagery of Globalization Online Repository (VIGOR), an online toolkit to allow students to find and share photographs, film, television, graphic arts, advertisements, fashion, and other images of “globalization” from outside the classroom. Worked with teaching technology specialists to integrate concept mapping, network theory, collaborative tagging, and visualization with web-based content management systems (2012).
- Collaborated with colleagues across campus to develop a new concentration in modeling and simulation (M&S) that combines seminars in advanced statistics; game theory; computer simulation; and data visualization. Created a graduate certificate in M&S, with a core curriculum common to M&S certificates in ODU’s other five colleges.
- Developed a proposal to establish a new master’s degree in political science at ODU for an underserved metropolitan area of 1.7 million people. Evaluated job market data to assess labor market demand. Guided the proposal through the approval process, including the Department, College and University curriculum committees, the Faculty Senate, the Provost, and the Board of Visitors. Worked with staff from the State Council of Higher Education for Virginia (SCHEV) to align the proposal with the Commonwealth’s strategic vision for higher education (2007-12).

### Awards and Distinctions

Editor, James N. Rosenau Series in World Politics, State University of New York Press	2013–Present
Spirit of Rory Award, American Legion Auxiliary of South Dakota	2022
Faculty Member of the Year, Department of Political Science, USD	2022
Dean’s Award for Outstanding Service to the College of Arts & Letters, ODU	2017
Wye Faculty Fellow, The Aspen Institute	2014
Doctoral Dissertation Mentoring Award, College of Arts and Letters, ODU	2014
Robert L. Stern Award for Outstanding Teaching, College of Arts and Letters, ODU	2013
University Finalist, Virginia Outstanding Faculty Awards	2012
Shining Star Award, Student Engagement and Enrollment Services, ODU (five-time recipient)	2009, ’10, ’15
University Finalist, Virginia Outstanding Faculty “Rising Star” Award	2007
Outstanding Teaching Award, American Political Science Association	2006
Instructional Technology Teaching Award, ODU	2006
Nominee, Distinguished Dissertation Award (Social Sciences), Council of Graduate Schools	2004

### Publications

#### I. Books

Earnest, David C. and Jennifer S. Schiff, eds. *Complex Political Economy: Power, Wealth and Resilience in the Anthropocene*. Submitted to the State University of New York Press.

*Massively Parallel Globalization: Explorations in Self-Organization and World Politics*. Albany, NY: State University of New York Press. 2015.

*Old Nations, New Voters: Nationalism, Transnationalism and Democracy in the Era of Global Migration*. Albany, NY: State University of New York Press. 2008.

Rosenau, James N., David C. Earnest, Yale H. Ferguson, and Ole R. Holsti. *On the Cutting Edge of Globalization: An Inquiry into American Elites*. Boulder, CO: Rowman & Littlefield. 2005.

#### II. Peer-Refereed Journals

Earnest, David C. and Ian Wilkinson. “An Agent-Based Model of the Evolution of Supplier Networks.” *Computational and Mathematical Organization Theory* (March 2017): DOI 10.1007/s10588-017-9249-1.

“The Enfranchisement of Non-Citizen Residents: Variations and Explanations.” *Democratization* 22, 5 (2015).

"Expanding the Electorate: Comparing the Non-Citizen Voting Practices of 25 Democracies." *Journal of International Migration and Integration* 16, 1 (January 2015): 1-25.

Richman, Jesse, Gulshan Chatta, and David C. Earnest. "Do Non-Citizens Vote in U.S. Elections?" *Electoral Studies* 36 (December 2014): 149-157.

Earnest, David C. and Jennifer N. Fish. "Visual Sociology in the Classroom: Using Imagery to Teach the Politics of Globalization." *Politics* 34, 3 (September 2014): 248-262.

Earnest, David C., Steve Yetiv, and Stephen M. Carmel. "Contagion in the Transpacific Shipping Network: International Networks and Vulnerability Interdependence." *International Interactions* 38, 5 (2012).

"Growing a Virtual Insurgency: Using Massively Parallel Gaming to Simulate Insurgent Behavior." *Journal of Defense Modeling and Simulation* 6, 2 (2009): 55-67.

"Coordination in Large Numbers: An Agent-Based Model of International Negotiations." *International Studies Quarterly* 52, 2 (June 2008).

"From Alien to Elector: Citizenship and Belonging in the Global City." *Globalizations* 4, 2 (May/June 2007).

"Clocks, Not Dartboards: A Tale of Students, Statistics, and the Pedagogical Challenges of Randomness." *PS: Political Science & Politics* (July 2006).

"Neither Citizen Nor Stranger: Why States Enfranchise Resident Aliens." *World Politics* 58, 2 (January 2006).

### III. Book Chapters

Frydenlund, Erika and David C. Earnest. "Emergence in Information Economies: An Agent-Based Modeling Perspective." In Saurabh Mittal et al., eds. *Emerging Behavior in Complex Systems Engineering: A Modeling and Simulation Approach*. John Wiley & Sons, 2018.

Earnest, David C. and Erika Frydenlund. "Flipping Coins and Coding Turtles: The Evolution of M&S in the Social Sciences." In Saurabh Mittal et al., eds. *Guide to Simulation-Based Disciplines: Advancing Our Computational Future*. New York: Springer, 2017.

"The Gardener and the Craftsman: Four Types of Complexity in Global Life." In Emilian Kavalski, ed., *World Politics at the Edge of Chaos: Reflections on Complexity in Global Life*. Albany, NY: State University of New York Press, 2015.

Frydenlund, Erika and David C. Earnest. "Harnessing the Knowledge of the Masses: Citizen Sensor Networks, Violence and Public Safety in Mugunga." In Emilian Kavalski, ed., *World Politics at the Edge of Chaos: Reflections on Complexity in Global Life*. Albany, NY: State University of New York Press, 2015.

"Voting Complexity and Electoral Outcomes: An Agent-Based Model of Condorcet Social Choice Problems." *Complexity and Policy Analysis: Decision Making in an Interconnected World*. Kurt A. Richardson, Linda Dennard and Goktug Morcol, eds. Greenwich, CT: Information Age Publishing: 2008.

Earnest, David C. and James N. Rosenau. "Signifying Nothing? Why Complex Systems Theory Tells Us So Little About Global Politics." *Complexity in World Politics: Concepts and Methods of a New Paradigm*. Edited by Neil E. Harrison. Albany, NY: SUNY Press: 2006.

Earnest, David C., Louis W. Pauly, and the editors. "Reflections: Blurring the Boundaries and Shaping the Agenda." *Strange Power: Shaping the Parameters of International Relations and International Political Economy*. Edited by Thomas C. Lawton, James N. Rosenau and Amy C. Verdun. Aldershot: Ashgate, 2000.

### IV. Other Journals

Earnest, David C. and James N. Rosenau. "The Spy Who Loved Globalization." *Foreign Policy*, September-October 2000. 88-90.

## V. Technical Reports

McNab, Robert, Randy Gainey, Tancy Vandecar-Burdin, and David C. Earnest. "Improving Rural Broadband Access: The Impact of Broadband Access and Proposed Investments in 5G Networks in South Dakota." Norfolk, VA: Social Science Research Center, Old Dominion University. 2018.

Pattie, the Rt. Hon. Sir Geoffrey, Michael T. Smith, Dan Gouré, David C. Earnest, and Robin Niblett. *Making Transatlantic Defense Cooperation Work: Findings and Recommendations of the CSIS Atlantic Partnership Project*. Washington, DC: The Center for Strategic & International Studies. 1996.

Earnest, David C. and Robin Niblett, "Arms and the Alliance: The Growing Challenges of Transatlantic Defense Cooperation." *From Shadows to Substance: An Action Plan for Transatlantic Defense Cooperation*. Edited by Sir Geoffrey Pattie, Michael T. Smith, and Dan Gouré. Washington, D.C.: The Center for Strategic and International Studies. 1995.

Schlesinger, James R., Dan Gouré, Alexander T. Lennon, and David C. Earnest. *Negotiating a U.S.-EURATOM Successor Agreement: Finding Common Ground in Nuclear Cooperation*. Washington, DC: The Center for Strategic and International Studies. 1994.

McKelvain, Boyd, Irwin M. Pikus and David C. Earnest. *Breaking Down the Barricades: Reforming Export Controls to Increase U.S. Competitiveness*. Washington, DC: The Center for Strategic and International Studies. 1994.

## VI. Invited Papers and Talks

"Where are we going? Political, social and economic trends in the United States." Annual convention of the United States Court of Appeals for the Eighth Circuit. Rapid City, SD: July 15, 2022

"The Rural Digital Divide: The Challenges." The Rural Digital Divides: Challenges and Solutions. University of Nebraska School of Law. Lincoln, NE: April 18, 2019.

"Black Swan Challenges and Opportunities to the M&S Community." Interservice/Industry Training, Simulation and Education Conference. Orlando, FL: December 1, 2016.

"Black Swans: Frequency and Antifragility." Interservice/Industry Training, Simulation and Education Conference. Orlando, FL: December 3, 2015.

"The Enfranchisement of Resident Aliens in Comparative Perspective." Political Rights in the Age of Globalization. Workshop sponsored by the School of Economics and Political Science, University of St. Gallen. St. Gallen, Switzerland: September 19-20, 2013.

"Too Big to Compromise? Policy Networks and Weak Regimes in International Banking." Australian School of Business. University of New South Wales. Sydney, Australia. July 13, 2011.

"Cows Grow Trees, Nets Grow Fish: Self-Organized Governance of Complex Interactions in World Politics." *Is Complexity the New Framework for the Study of Global Life?* Workshop sponsored by the Academy for the Social Sciences in Australia, University of Western Sydney. Sydney, Australia: January 19-20, 2011.

"Expanding the Polity: Comparing the Non-Citizen Voting Practices of 25 Democracies." *Who Decides? Democracy, Power, and the Municipal Franchise in Cities of Integration*. Conference organized by the School of Public Policy and Governance, University of Toronto. Toronto, ON, Canada: April 23, 2010.

## VII. Conference Papers

Christina Slentz and David C. Earnest. "Mapping Environmentally Related Urbanization and Conflict Potential." Prepared for the 2020 Annual Convention of the International Studies Association. Honolulu: March 25-28, 2020 (Conference cancelled).

"Complex Political Economy: Power, Wealth and Transformation in the Anthropocene." Prepared for the 2018 Annual Convention of the International Studies Association. San Francisco, CA: April 6, 2018.

Erika Frydenlund, Jose J. Padilla and David C. Earnest. "A Theoretical Model of Identity Shift in Protracted Refugee Situations." Prepared for the 2017 Spring Simulation Multi-Conference. Society for Modeling & Simulation International. Virginia Beach, VA: April 23-26, 2017.

Nathan Slater and David C. Earnest. "Dyadic Trade Disputes: Network Analysis of the WTO Dispute Settlement Body." Prepared for the 2015 Annual Convention of the American Political Science Association. San Francisco, CA: September 3-6, 2015.

David C. Earnest, Joshua G. Behr, and Raphael Diaz. "Social Capital or Social Vulnerability? Assessing Competing Determinants of Community Resilience and Recovery from Natural Disasters." Prepared for the 2015 Annual Convention of the Midwest Political Science Association. Chicago, IL: April 17, 2015.

"Building the Echo Chamber: Homophily, Community Structure, and Nearly Decomposable Networks." Prepared for the 2014 Annual Convention of the International Studies Association. Toronto, Canada: March 28, 2014.

Joshua G. Behr, Rafael Diaz, David C. Earnest, and Hans-Peter Plag. "Social and Community Indicators of Storm-related Population Vulnerability." Social Coast Forum 2014. Charleston, SC: February 18-20, 2014.

Hans-Peter Plag, David C. Earnest, and Shelley Jules-Plag. "Deterministic or Probabilistic, Robustness or Resilience: How to Respond to Climate Change?" Fall Meeting of the American Geophysical Union. San Francisco, CA: December 10, 2013.

Jennifer N. Fish and David C. Earnest. "Visual Sociology in the Classroom: Using Imagery to Teach the Politics of Globalization." Prepared for the 2013 Annual Convention of the International Studies Association. San Francisco, California: April 3, 2013.

Joseph Vesley and David C. Earnest. "Understanding the Consequences of Algorithmic Trading for Financial Markets." Prepared for the Fourth Annual Complexity in Business Conference. Washington, DC: November 9, 2012.

"Nets of Insecurity: Trade Networks and Economic Vulnerability." Prepared for the 2012 Annual Convention of the International Studies Association. San Diego, California: April 3, 2012.

David C. Earnest and Jennifer N. Fish. "The Visual Sociology of Globalization: An Interactive Resource and Pedagogical Model." Prepared for the 2012 Annual Convention of the International Studies Association. San Diego, California: April 2, 2012.

"Geographic Distribution of Disruptions in Weighted Complex Networks: An Agent-Based Model of the International Air Transportation Network." Prepared for the 2011 Fall Symposium of the Association for the Advancement of Artificial Intelligence, *Complex Adaptive Systems: Energy, Information, and Intelligence*. Arlington, VA: November 4-6, 2011.

Erika Frydenlund and David C. Earnest. "mSafety: an ABM of Community Information-Sharing to Improve Public Safety." Prepared for the 2011 Fall Symposium of the Association for the Advancement of Artificial Intelligence, *Complex Adaptive Systems: Energy, Information, and Intelligence*. Arlington, VA: November 4-6, 2011.

David C. Earnest and Ian Wilkinson. "Using Kauffman NK Models and Agent-Based Models to Model the Dynamics of Marketing Systems." Prepared for the Third Annual Complexity in Business Conference. Washington, DC: October 14, 2011.

"Too Big to Fail? Policy Networks and Weak Regimes in International Banking." Prepared for the 2011 Annual Convention of the International Studies Association. Montreal, Canada: March 16, 2011.

"Social Nets and Fish Nets: Self-Organized Institutions to Monitor Common Pool Resources." Prepared for the 2011 Annual Convention of the International Studies Association. Montreal, Canada: March 16, 2011.

"From Man, The State, and War to Vertices, Networks, and Change: Relational Ontologies to Understand Complexity in Politics." Prepared for the Annual Meeting of the American Political Science Association. Toronto, Canada: September 4, 2009.

Staples, Clifford L. and David C. Earnest. "Dead Souls and Davos Men: On the Alleged Denationalization of the American Corporate Elite." Prepared for the Annual Meeting of the Midwest Sociological Society. Des Moines, IA: April 2-5, 2009.

"Simulating the K-Factor: An Agent-Based Model of Distributive Conflict in International Negotiations." Prepared for the 2009 Annual Convention of the International Studies Association. New York, NY: February 17, 2009.

Steve Yetiv and David C. Earnest. "Economic Globalization and National Insecurity: Vulnerabilities in the Global Intermodal Shipping System." Prepared for the 2009 Annual Convention of the International Studies Association. New York, NY: February 15, 2009.

Liebert, Karl D., David C. Earnest, and Andreas Tolk. "Using GIS Vector Data to Build Environments for Agent Based Models." Agent-Directed Simulation Symposium. Ottawa, Canada: April 15, 2008.

"The Butterfly Effect in the Classroom: Teaching Undergraduates about Complex Systems Theory." Prepared for the 2008 Annual Convention of the International Studies Association. San Francisco, CA: March 28, 2008.

Steve Carmel, David C. Earnest, and Steve Yetiv. "Global Interdependence, Vulnerability, and Terrorism: Simulating the Containership Shipping Network." Prepared for the 2008 Annual Convention of the International Studies Association. San Francisco, CA: March 28, 2008.

"At Home Abroad and Abroad at Home: Why European States Allow Plural Nationality." Prepared for the 2008 Annual Convention of the International Studies Association. San Francisco, CA: March 26, 2008.

David C. Earnest and Kurt Taylor Gaubatz. "Modeling, Simulation and the Social Sciences: An Agenda for Integration." Prepared for the 2007 Simulation Integration Workshop Conference, Simulation Interoperability Standards Organization. Norfolk, VA: March 25-30, 2007.

"The Moment of Impotence? Complexity's Challenge to Agency." Prepared for the 2007 Annual Convention of the International Studies Association. Chicago, IL: March 2, 2007.

David C. Earnest, James N. Rosenau and Ole R. Holsti. "Globalization and Justice: Orientations of American Elites to Pressing Social Issues." Prepared for the 2007 Annual Convention of the International Studies Association. Chicago, IL: March 1, 2007.

"Preference Cycling and Ineffective Governance: An Agent-Based Model of Decision-Making in International Institutions." Prepared for the 2006 Annual Convention of the International Studies Association. San Diego, CA: March 24, 2006.

David C. Earnest, James N. Rosenau and Ole R. Holsti. "Preemption, Multilateralism and Globalization: An Inquiry into American Elites." Prepared for the 2006 Annual Convention of the International Studies Association. San Diego, CA: March 22, 2006.

"From the Ghettos to the Ballot Box: Voting Rights for Noncitizens in Urban Elections." Prepared for the 2005 Annual Convention of the American Political Science Association. Washington, DC: September 1-4, 2005.

"Voting Complexity and Electoral Outcomes: An Agent-Based Model of Condorcet Social Choice Problems." Prepared for the Workshop on Complexity and Policy Analysis. Co-sponsored by the Department of Government, The University College Cork; The Institute for the Study of Coherence and Emergence; and Penn State University-Harrisburg. Cork, Ireland: June 22-24, 2005.

"Political Incorporation and Historical Institutionalism: A Comparison of the Netherlands, Germany and Belgium." Prepared for the 2005 Annual Convention of the International Studies Association. Honolulu, HI: March 5, 2005.

"A Gray Christmas? The Impact of Global Aging on Transatlantic Economic Cooperation." Prepared for the CSIS Working Group on the Impact of Demographic Trends on Europe and Transatlantic Relations. Center for Strategic & International Studies. Washington, DC: April 20, 2004.

James N. Rosenau and David C. Earnest. "On the Cutting Edge of Globalization, Before and After 9/11." Prepared for the 45<sup>th</sup> Annual Convention of the International Studies Association. Montreal, Quebec: March 18, 2004.

"Voting Rights for Resident Aliens: A Comparison of 25 Democracies." Prepared for the 2003 Annual Meeting of the Northeast Political Science Association/International Studies Association-Northeast. Philadelphia, PA: November 7, 2003.

James N. Rosenau, David C. Earnest, Yale Ferguson, and Ole R. Holsti. "On the Cutting Edge of Globalization." Prepared for the 2003 Annual Meeting of the American Political Science Association. Philadelphia, PA: August 30, 2003.

"Noncitizen Voting Rights: A Survey of an Emerging Democratic Norm." Prepared for the 2003 Annual Meeting of the American Political Science Association. Philadelphia, PA: August 29, 2003.

Earnest, David C. and James N. Rosenau. "Signifying Nothing? The Perils for International Relations Theory of the Complexity Sciences." Prepared for the 44<sup>th</sup> Annual Convention of the International Studies Association. Portland, OR: February 28, 2003.

"The Complexity of Globalization: Meeting the Methodological Challenges of Structuration Theory." Prepared for the 42<sup>nd</sup> Annual Convention of the International Studies Association. Chicago, IL: February 22, 2001.

"Will No One Rid Me of This Meddlesome State? Social Inequality and the New Social Contract." Prepared for the 42<sup>nd</sup> Annual Convention of the International Studies Association. Chicago, IL: February 21, 2001.

"In Full Retreat? Privatization of Defense Industries in Britain and France." Prepared for Globalization and Security: A Joint Meeting 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. Denver, CO: November 11, 2000.

"Mixed Signals and Crisis Bargaining: A Game Theoretic Analysis of Spiral and Deterrence Theories of International Conflict." Prepared for the 2000 Annual Meeting of the American Political Science Association. Washington, DC: September 2, 2000.

Rosenau, James N. and David C. Earnest. "No One's Disciple: The American Academy's Reaction to the Works of Susan Strange." Prepared for the 41<sup>st</sup> Annual Conference of the International Studies Association. Los Angeles, CA: March 16, 2000.

"Peace Running Wild: Political Organization in a Global Environment." Prepared for the 40th Annual Convention of the International Studies Association. Washington, DC: February 18, 1999.

#### VIII. Newspapers and Mass Media

Jesse Richman and David Earnest. "[Could non-citizens decide the November election?](#)" *The Washington Post*, The Monkey Cage blog, October 24, 2014. And "[Do non-citizens vote in U.S. elections? A reply to our critics.](#)" *The Washington Post*, The Monkey Cage blog, November 2, 2014.

Ian Wilkinson and David C. Earnest. "[There's a quiet revolution going on in the social sciences.](#)" *Ockham's Razor*, Australian Broadcasting Corporation national radio, January 1, 2012.

"[Meet tomorrow's innovators.](#)" *The Virginian-Pilot*, February 17, 2011, p. B7.

"Isolating our military: Encroachment and economics aren't the whole Oceania story." *The Virginian-Pilot*, July 24, 2005, p. J1.

Gouré, Dan and David Earnest. "Sweetener for Tighter Defense Industries." *The Washington Times*, July 15, 1997, p. A15.



## Sponsored Research

Co-Principal Investigator, “Improving Access to Broadband for Rural Communities Through 5G Investments,” (PI: Dr. Robert McNab). Agency: Hogan Lovells LLP. August-October 2018: \$188,819.

Co-Principal Investigator, “Measuring Community Stress: Support for Disaster Resilience,” (PI: Dr. Hans-Peter Plag), Agency: U.S. Department of Homeland Security, Award No.: 2015-ST-061-ND0001-01, January-June 2016. \$51,250.

Co-Principal Investigator, Faculty Innovator Grant, Center for Learning Technologies, “Applying Visual Sociology: Global Data Collection as a Teaching/Learning Platform” (PI: Dr. Jennifer N. Fish), May-July 2014. \$3,000.

Principal Investigator, Faculty Innovator Grant, Center for Learning Technologies, “VIGOR: Visuals and Imagery of Globalization Online Repository”, May-July 2011. \$3,000.

Summer Research Fellowship, College of Arts and Letters, “Using Computational Social Science to Study Change in World Politics,” May-August 2010. \$6,000.

Principal Investigator, “Complexity Science in International Relations”, Venture Research Workshop Grant, International Studies Association, March 2008, \$9,967.

Co-Principal Investigator, “System-of-Systems Engineering Modeling and Analysis for the Secure Border Initiative (SBI)”, (PI: Dr. Ghaith Rabadi) Agency: MITRE Corporation (funded by the Department of Homeland Security), Contract No.: 775021, 2007-08. \$275,000.

Principal Investigator, Faculty Proposal Preparation Grant, Office of Research, “Opinion Leaders, Unilateralism, and Preemption in U.S. Foreign Policy”, May-August 2007. \$4,000.

Principal Investigator, Faculty Innovator Grant, Center for Learning Technologies, “[Beyond the Butterfly Effect: An Introduction to Simulation](#)”, May-August 2006. \$3,000.

Summer Research Fellowship, College of Arts and Letters, “On the Cutting Edge of Globalization,” May-August 2005. \$5,000.

## Service Activities

Voter Registration Drive, National Voter Registration Day. Vermillion, SD. September 24, 2019.

Lecture. “The Truth about Trade, Jobs and Politics.” World Affairs Council of Hampton Roads, Great Decisions Series. February 18, 2017.

“[Reflection as a Means of Course Improvement](#).” Provost’s Conversations on Teaching and Learning, ODU. April 17, 2014.

“Do You Know Something that I Don’t? Social Networks and Hazard Mitigation in Coupled Human-Natural Systems.” Center for Coastal Physical Oceanography, ODU. November 18, 2013.

Peer Referee. *Globalizations*. October 2013.

Peer Referee. *Journal of Artificial Societies and Social Simulation*. August 2013.

Peer Referee. *Journal of Economic Interaction and Coordination*. July 2013, August 2015.

Peer Referee. *International Studies Perspectives*. January 2013.

Peer Referee. *International Theory*. September 2012.

Peer Referee. *Journal of Artificial Societies and Social Simulation*. July 2012.

Peer Referee. State University of New York Press. January–August 2012.

Peer Referee. *Political Studies*. January 2012.

Lecture. "Agent-Based Modeling for Business and Marketing." School of Business, University of Western Australia. Perth, Australia. August 4-5, 2011.

Lecture. "Irrational Exuberance and Product Ecosystems: Using Agent-Based Modeling to Understand the Surprising Complexity of Global Markets." University of Sydney. Sydney, Australia. July 6, 2011.

Peer Referee. *American Journal of Political Science*. May 2011.

Lecture. "Global Governance." World Affairs Council of Hampton Roads, Great Decisions Series. March 5, 2011.

Chair and Discussant. "Economic Dynamics: Selected Cases." Ninth Annual Graduate Research Conference. Center for Regional and Global Studies, Old Dominion University. February 25, 2011.

Lecture. "Working Harder for Less? Foreign Policy in a Globalized World." ODU Model United Nations Conference XXXIV. Norfolk, VA. February 18, 2011

Moderator. "Contract Combatants: The Ethics of Private Security Companies." Roundtable sponsored by the Institute for Ethics & Public Affairs. Old Dominion University, Norfolk, VA. November 10, 2010.

Lecture. "Nodes, Nets, and the Gyre: Beyond Levels of Analysis in World Politics." Brown Bag Lunch sponsored by the Department of Political Science & Geography, Old Dominion University. November 2, 2010.

Facilitator. "The Emergence and Fragmentation of Great Powers: Russia." Conference co-hosted by the U.S. Joint Forces Command, Institute for National Strategic Studies, and Old Dominion University. September 2010.

Peer Referee. *Cambridge Review of International Affairs*, 2010.

Moderator. "Robot Warrior Ethics." Roundtable sponsored by the Institute for Ethics & Public Affairs. Old Dominion University, Norfolk, VA. March 24, 2010.

Peer Referee. *PS: Political Science & Politics*, 2009.

Panelist. "Understanding a Complex World: Complexity Theory and Political Science." Annual Convention of the American Political Science Association. Toronto, CA: September 4, 2009.

Peer Referee. *International Political Science Review*, 2009.

Presentation. "Economic Globalization and National Insecurity: The Nexus of Trade, Conflict and Complex Networks." Center for Social Complexity, George Mason University. Fairfax, VA: April 8, 2009.

Presentation. "Training, Doctrine and MMORPGs: Using Massively Parallel Gaming to Evolve New Doctrine for Urban Combat Operations." Technical Exchange Meeting with the Lockheed Martin Corporation. Norfolk, VA: April 7, 2009

Lecture. "International Law and International Relations Theory." Columbia University School of Law. New York, NY: February 16, 2009.

Moderator. "Global Poverty and American Foreign Policy." Sponsored by the Graduate Society for International Studies and ONE. Old Dominion University. April 7, 2009.

Panelist. Presidential Election 2008. Sponsored by the Department of Political Science & Geography. Old Dominion University. October 27, 2008.

Lecture. "Economic Globalization and National Insecurity: Using ABM to Study Network Vulnerability." Fireside Chat sponsored by the Department of Engineering Management and Systems Engineering, Old Dominion University. October 22, 2008.

Lecture (w. Steve Yetiv). "Economic Globalization and National Insecurity: Networks of Vulnerability." Brown Bag Lunch sponsored by the Department of Political Science & Geography, Old Dominion University. April 25, 2008.

Presentation. "Globalization, Vulnerability, and the International Container Shipping System." ODU Research Day 2008. Old Dominion University. April 9, 2008.

Lecture. "Foreign Aid: New Players, New Goals?" Great Decisions Lecture Series. Sponsored by the Model UN Society, Old Dominion University. March 31, 2008.

Lecture. "Coordination in Small Numbers." Hosted by the Graduate Society for International Studies (GSIS), Old Dominion University. March 3, 2008.

Peer Referee. *World Politics*, 2007.

Peer Referee. *Global Governance*, 2007.

Discussant. "Citizenship and Nationhood in Central Europe." The Association for the Study of Nationalities. 2007 World Convention. Columbia University, New York, New York: April 12, 2007.

Guest Lecturer. "Modeling & Simulation in the Social Sciences: Thinking about Integration." Department of Engineering Management and System Engineering, Old Dominion University. April 9, 2007.

Presentation. "Complexity's Challenge to Government." ODU Research Day 2007. Old Dominion University. April 5, 2007.

Guest Lecturer. "Agents for Social Simulation." Enterprise and Complex System Dynamics. Department of Engineering Management and System Engineering, Old Dominion University. November 29, 2006.

Panelist. "Election 2006: Winds of Change?" Sponsored by the Department of Political Science & Geography. Old Dominion University. November 2, 2006.

Presentation. "The September 11<sup>th</sup> Effect Reconsidered: How Do Americans View the War on Terror?" Center for Regional and Global Studies, Old Dominion University. September 11, 2006.

Discussant. "The Truman Show." Old Dominion University 2006 Film and Video Festival: *The Last Days of Cinema? The Love of Film in the Age of Digital Media*. April 6, 2006.

Demonstration. "Agent-Based Modeling of International Negotiations." ODU Research Day 2006. Old Dominion University. April 5, 2006.

Chair and Discussant. "Development and the Nation-State: Past, Present and Future." Conference on Global Policy and Development. University of Southern Mississippi, Hattiesburg, MS (relocated to Old Dominion University, Norfolk, VA due to Hurricane Katrina): March 31, 2006.

Chair and Discussant. "The Global Context of Insight and Action." Fifth Annual Graduate Research Conference. Center for Regional and Global Studies, Old Dominion University. February 10, 2006.

Chair and Discussant. "Transatlantic Relations and Security Policy." Annual Meeting of the Virginia Political Science Association. University of Richmond, Richmond, VA. December 3, 2005.

Presentation. "Understanding Residential Segregation in New Orleans." Presentation to Marc Morial, President, National Urban League. With Joshua G. Behr. Old Dominion University. April 21, 2005.

Demonstration. "Segregation in Norfolk: Integrating ABM and GIS Technologies to Estimate Residential Patterns." With Joshua G. Behr. ODU Research Day 2005. Old Dominion University. April 6, 2005.

Lecture. "The Global Poverty Gap." Great Decisions Lecture Series. Sponsored by the Model UN Society, Old Dominion University. April 4, 2005.

Panelist. "U.S.-Iraq Forum 2005." Sponsored by the Department of Political Science & Geography. Old Dominion University. March 24, 2005.

Moderator. "Simulation Modeling" and "Connecting Formal Models and Simulation" Sessions. Human Behavioral Modeling Workshop. Virginia Modeling, Analysis and Simulation Center. January 4-5, 2005.

Panelist. "The 2004 Election in Perspective: Implications for Southern Politics." Annual Meeting of the Virginia Political Science Association. Norfolk, VA: December 4, 2004.

Panelist. Presidential Election 2004. Sponsored by the Department of Political Science & Geography. Old Dominion University. October 14, 2004.

Faculty Research Presentation. "On the Cutting Edge of Globalization, Before and After 9/11." Sponsored by the Center for Regional and Global Study, Old Dominion University. September 22, 2004.

Research Presentation. "Condorcet Social Decision Problems: An Algorithmic Approach." Center for Connected Learning and Computer-Based Modeling, Northwestern University, Evanston, IL. July 23, 2004.

### Professional Development

Global Challenges Institute, Richard Stockton University, NJ	November 2014
Wye Faculty Seminar, "Citizenship in the American and Global Polity", Aspen Institute	July 2014
NetLogo Workshop, Northwestern University	July 2004
Observer, United States Marine Corps "Hunter Warrior" Exercise, Camp Pendleton, CA	March 1997
Observer, Department of the Army Strategic Outreach, National Training Center, Fort Irwin, CA	August 1995
Fellow, National Security Forum, U.S. Air War College, Maxwell Air Force Base, AL	May 1995

### Service to the Department, Program, College and University

Academic Affairs Action Plan Task Force	2016–17
Adjunct Portfolio Committee (Chair)	2006–07
Arts & Sciences Strategic Planning Task Force	2021–22
Chief Departmental Advisor, Political Science	2012–14
College Practicum Committee	2005–06
College Technology Committee	2004–05
Faculty Research Advisory Committee, Office of Research	2016–17
Graduate Admissions Committee (Chair 2005-2014)	2004–14
Graduate Administrators Council, Graduate School	2014–17
Graduate Curriculum Committee	Fall 2005
Graduate Enrollment Task Force, Graduate School	2015–16
Graduate Exam Procedures Committee	2005–06
Graduate Field Coordinator, IPE & Development	2005–17
Institutional Promotion & Tenure Committee	2018–Present
Internship Coordinator, Political Science & Geography	2005–06
M.A. Comprehensive Exam Committee	2004–17
Modeling & Simulation Steering Committee	2015–17
Ph.D. Comprehensive Exam Committee	2004–17
Pi Sigma Alpha Chapter Advisor	2004–07
SACSCOC Mid-Cycle Accreditation Team	2016–17
Search Committee Member, Office of Student Judicial Affairs	2007
Search Committee Member, Dean for the College of Arts & Letters	2009
Task Force on the Political Science Graduate Program Development	2006–12
Undergraduate Research Advisory Committee, Honors College	2014–17
University Promotion & Tenure Committee	2018–21

### Teaching Experience

#### I. Graduate Seminars

Agent-Based Simulation for International Studies	2009–12
Advanced Statistical Techniques for International Studies	2005–11

Global Political Economy	2004–17
Globalization and Social Change in the World System	2006–17
II. Undergraduate Courses	
Beyond the Butterfly Effect: An Introduction to Social Simulation	2007
Governments of the World	2022–Present
Information Literacy in the Discipline	2017–Present
Introduction to American Government	2020
Introduction to International Politics	2004–14
International Political Economy	2005–Present
Quantitative Methods	2005–17
Senior Capstone	2018–2022
III. Dissertations Supervised	
Khatera Alizada	2015–17
Tulu Balkir	2015–17
Myanna Dellinger	2022–23
Scott Duryea	2014–15
Ersin Elibol	2009–14
Maurizio Geri	2015–17
Felicia Grey (University of Detroit Mercy)	2015–17
Omar Hawthorne (University of the West Indies)	2011–12
Shiwei Jiang	2012–14
Mustafa Karapinar	2011–15
Stephen Magu (Hampton University)	2011–13
Ivan Medynskyi	2014–15
Patricia Raxter	2012–15
Sagar Rijal	2012–15
Jennifer Schiff (Western Carolina University)	2007–10
Manda Shemirani	2008–10
Roopa Swaminathan	2011–13
IV. Master's Theses Supervised	
Amy Costa	2011–12
Leigh Ann Detwiler	2009–10
Zachariah Long	2013–14
Maribel Lora	2012–13
Matthew Mettler	2018–19
Guelmbaye Ngarsandje	2009–10
Ja Tum Seng	2013–14
V. Service on Other Dissertation and Thesis Committees	
Nurullah Ayyilmaz	2016–17
Mackenzie Clark	2020–21
Evi Dzieciolowski	2007–08
William Eger	2016–17
Joanne Fish	2016–17
Eric Fowler	2014–16
Erika Frydenlund	2010–15
Vlad Galushko	2008–09
Matthew Hall	2007–09
Fabian Held (University of Sydney)	2011–12

Grant Highland	2019–21
Narisong Huhe	2010–11
Fran Jacobson	2007–08
Imran Khan	2022–Present
Rebecca Law	2015–18
Karl Liebert (M.A., Modeling, Simulation, & Visualization Engineering)	2007–08
Karmen Matusek	2015–16
Antonio Passaro (Higher Education Leadership)	2019–21
William Patterson	2009–13
Muhammad Rahman	2016–19
Claudia Risner	2014–18
Ryan Roberts	2018–21
Niloufar Salimi	2018–20
Aaron Sander	2015–16
Wes Shuler	2005–08
Moriah Shumpert	2015–16
Christina Slentz	2014–21
Sandis Sraders	2016–17
Sonja Sray	2004–08
Xiaotian Wang (Ph.D., Modeling, Simulation, & Visualization Engineering)	2012–15
Christopher White	2010–11
Bo Ram Yi	2016–17

#### VI. Continuing Education Courses

Agent-Based Modeling for Business & Marketing (University of Southern Denmark)	2012
Agent-Based Modeling for Business & Marketing (University of Sydney)	2011
Systems Engineering 204: Modeling & Simulation	2008–11

#### Professional Memberships

American Political Science Association  
International Studies Association