

James Fielding Smith
(Jim Smith)

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Current Research and consulting

- Airport-to-airport mutual aid
- International mutual aid pacts
- Relationships between airports and emergency management agencies during non-aviation disasters and catastrophes
- Multihazard or all-hazards preparedness of airports
- Airport disaster preparedness in a community context
- Regional coordination and cooperation among airports
- Role of general aviation airports in the disaster response mission
- Role of private pilots and pilot organizations in disaster response
- Airport emergency plans (AEPs) that are compliant with FAA AC 150/5200-31C and NIMS
- Airport-based disaster-related enterprises
- Airport Community Emergency Response Teams (A-CERTs)
- Web-based operational and emergency management systems for airports
- Model mutual aid agreements between airports and other jurisdictions

Education

- Virginia Polytechnic Institute and State University - Ph.D. in environmental design and planning (specialization in environmental management, budgeting, and program appraisal), 1995
- Naval War College - Diploma in strategy and policy with distinction, 1993
- North Carolina State University - Graduate courses in civil engineering, 1984-87
- University of California, San Diego - M.S. in oceanography, 1967; ABD, 1975
- University of North Carolina - A.B. in zoology (honors) and chemistry, 1965

Professional Registration and License

Professional Engineer (civil engineering) - Virginia Registration No. 21687

Professional Experience

- 2011- Member, research team, Airport Cooperative Research Program (ACRP) Project # 04-13, "Integrating Community Emergency Response Teams at Airports," as consultant to IEM Inc.
- 2011- Member, research team, Airport Cooperative Research Program (ACRP) Project # 04-12, "Integrating Web-Based Emergency Management Collaboration Tools into Airport Operations," as consultant to IEM Inc.
- 2010-2011 Vice Chairman, Emergency Management Committee, Los Angeles Mayor's Blue Ribbon Panel for security and emergency management at Los Angeles International Airport
- 2010- Principal Investigator for Airport Cooperative Research Program (ACRP) Project # 04-10, "Airport-to-airport mutual aid," as consultant to IEM Inc.
- 2009- Consultant to IEM Inc.
- 2002- President, Smith-Woolwine Associates (Smith-Woolwine Associates Inc. after November 2008)
- 1999- Professor, Emergency, & Disaster Management, American Public University System,

- American Military University, Charles Town, WV
- 1999-2000 Director of regulatory compliance and technical applications, Henry County (VA) Public Service Authority, and division director, Henry County
- 1998-2002 Instructor, apprenticeship course for water and wastewater plant operators, Roanoke, VA
- 1995, 1997 Interim instructor, graduate course in public budgeting and financial management, Virginia Polytechnic Institute and State University
- 1995-1999 Senior enforcement and compliance specialist, West Central Regional Office, Virginia Department of Environmental Quality
- 1988-1995 Compliance Auditor, Virginia Department of Environmental Quality/State Water Control Board, Roanoke & Abingdon
- 1984-1988 Lead Program Planner for Water Quality, North Carolina Division of Environmental Management, Raleigh. Chairman, NC Land Resources Information System (GIS) Advisory Committee 1979-1988
- 1978-1984 Coordinator, Coastal Energy Impact Program, North Carolina Division of Coastal Management, Raleigh
- 1977-1978 Coastal Energy Planner, San Luis Obispo County, California. Major facility siting, OCS oil and gas, land use planning, emergency planning
- 1975-1977 Lecturer, Biological Sciences Department, California Polytechnic State University, San Luis Obispo
- 1967-1995 Naval Reserve Officer, most significant assignments: Senior Budget Analyst, Programming Division (N-80), Office of Chief of Naval Operations; Commanding Officer of two units. Promoted to rank of captain 1992, retired 1996. Navy Commendation Medals 1989, 1994. Active duty 1967-1971

Selected Membership and Other Positions

- American Society of Civil Engineers, 2002-
Transportation & Development Institute, Aviation Committee 2006-
Secretary 2010-
Corresponding Member, Committee on Critical Infrastructure (CCI) 2007-
Aviation co-editor, Critical Infrastructure weblog 2007-
Member, Virginia Section
Member, Southwest Virginia Chapter
- American Association of Airport Executives (AAAE), 2008-
Member, Operations, Safety & Planning Committee, 2008-
International Association of Emergency Managers (IAEM), 2005-
Member, Training and Education Committee, 2006-2008
Faculty co-sponsor, APUS IEMSA Chapter, 2006-2007

Publications, Papers, and Presentations

Smith, J. F. (pending). The airport-community partnership for resiliency. Presentation scheduled for April 18, 2012, Passenger Terminal Expo 2012, Vienna, Austria.

Griffith, D., & Smith, J. F. (pending). Airport role in air evacuations. Presentation scheduled for February 8, 2012, National Evacuation Conference 2012, New Orleans, LA.

Smith, J. F. (pending). The roles of general aviation airports in disaster response. Submitted to *Journal of Emergency Management*.

Smith, J. F. (2011, October 12). Are your airports disaster ready? Plenary session to EMEC 2011 -INTER Airport Europe 2011, Munich, Germany.

Smith, J. F., & Kenville, K. (2011). CERT teams for airports: Literature review. Airport Cooperative Research Program (ACRP) project 04-13.

Smith, J. F. (2011, July). SEADOG. Presentation for Dallas-Ft. Worth Airport Authority.

Los Angeles Mayor's Blue Ribbon Panel on Security at Los Angeles International Airport. (2011, June 20). *Final report[redacted]*. Los Angeles, CA: Mayor's Office.

Smith, J. F. (2011). "The roles of general aviation airports in disaster response: Final report." Poster presentation, Transportation Research Board (TRB) Annual Conference 25 January 2011. Available at www.airportstudy2010.com.

Smith, J. F. (2010). "Airport disaster preparedness." Panel participant, 20th Airports Council International World/Latin America - Caribbean Annual General Assembly, 3 November 2010, Bermuda

Smith, J. F. (2010). "Regional cooperation, coordination, and communication among airports during disasters." *Transportation Research Report, Journal of the Transportation Research Board, No. 2177*. Washington, DC: Transportation Research Board of the National Academies.

Smith, J. F. (2010). "The roles of general aviation airports in disaster response: Preview report." Presentation at AAE GA Summit, July 1, 2010, Morristown, NJ.

Smith, J. F. (2010). "Analysis: Impact of 31C" *Airport Business*, March 2010, 22-23.

Smith, J. F. (2010). "Regional cooperation, coordination, and communication among airports during disasters." Presentation at Transportation Research Board Annual Conference, Meet-the-Author Poster Session, January 12, 2010, Washington, DC.

Smith, J. F. (2010). "Airport disaster preparedness in a community context." Presentation at Transportation Research Board Annual Conference, January 12, 2010,

Smith, J. F., F. McCosby, and S. Wareham. (2010). "Airports helping airports: Disaster operations groups" *Airport Magazine*, 21(7), 30-32.

Smith, J. F. Regional cooperation, coordination, and communication among airports during disasters. Available at www.airportstudy2009.com.

Smith, J. F., F. McCosby, and S. Wareham. (2009). SEADOG and WESTDOG: Airports helping airports. PowerPoint presentation. Available at www.airportstudy2009.com.

Smith, J. F. (2009). "Keeping airports functional during disasters." Webinar for American Society of Civil Engineers (ASCE), March 27, 2009, repeated October 16, 2009.

Smith, J. F. (2009). "Airport disaster preparedness in a community context." Presentation to Airports Council International – North America (ACI-NA) Public Safety & Security Conference, San Diego, March 16, 2009.

Smith, J. F. (2009). Airport disaster preparedness in a community context. Available at www.airportstudy2008.com.

Smith, J. F. (2008, November 12). Airports and catastrophes. Podcast available at <http://www.apus.edu/community-scholars/speaker-series/james-smith.htm>

Smith, J. F. (2008b). Maintaining airport continuity of business and operations during disaster response: the role of command and control relationships with emergency management

agencies. *J. Bus. Continuity & Emerg. Planning*. 3(1), 66-74.

Smith, J. F. (2008a). Book review. [Review of the book *Hazard Mitigation Investment Decision Making: Organizational Response to Legislative Mandate*]. *J. Homeland Security & Emerg. Mgt.* 5(1), Article 8. Available at: <http://www.bepress.com/jhsem/vol5/iss1/8>

Smith, J. F., S. S. Waggoner, A. Rabjohn, and A. Bachar. (2008b). Protecting airport functionality during disaster responses: Solutions. *J. Emergency Mgt.*, 6(4), 57-64.

Smith, J. F., S. S. Waggoner, A. Rabjohn, and A. Bachar. (2008a). Protecting airport functionality during disaster responses: terrorism, war, civil war, and riots. *J. Emergency Mgt.*, 6(3), 53-62.

Smith, J. F., S. S. Waggoner, A. Rabjohn, and A. Bachar. (2007). Protecting airport functionality during disaster responses: Natural disasters, accidents, and pandemics. *J. Emergency Mgt.* 5(6), 29-40.

Smith, J. F. (moderator). (2007). Introduction to ABFM Panel Honoring Dick Zody. Presentation to Association for Public Budgeting and Finance, Washington, DC, October 13, 2007.

Smith, J. F. (2007). Book review. [Review of the book *Critical Infrastructures at Risk--Securing the European Electric Power System*]. *J. Homeland Security & Emerg. Mgt.* 4(4), Article 5. Available at: <http://www.bepress.com/jhsem/vol4/iss4/5>.

Smith, J. F., S. S. Waggoner, and G. Hall. (2007). Memphis Airport as a model for disaster response. *Crisis Response Journal* 3(3), 30-32.

Smith, J. F., S. S. Waggoner, and G. Hall. (2007). Building sound emergency management into airports. *IATC 2007 Proceedings*, 47-60.

Smith, J. F., and S. S. Waggoner. (2006). Six online courses in Emergency Management for local elected officials and senior department heads. Charles Town (WV), American Public University System, Center for Professional Development. Available at www.apustraining.com.

Smith, J. F., S. S. Waggoner, and R. Madison. (2006). Improving local NIMS implementation: the role of training. *IAEM Bulletin*, 23(10).

Smith, J. F. (2006). Innovative local funding for disaster, *IAEM Bulletin*. 23(8) (electronic edition).

Smith, J. F. (2006). Innovative local funding for disaster. Presentation to FEMA Higher Education Conference, Emmitsburg, MD, June 6, 2006.

Smith, J. F. (2006). Budgeting for disasters—part II. Suggested solutions, *The Public Manager* 35(2), 58-62.

Smith, J. F. (2006). Budgeting for disasters—part I. Overview of the problem, *The Public Manager* 35(1), 11-19.

Smith, J. F. (2004-). *Water Science, an e-textbook*. Charles Town (WV), American Public University System.

Rubin, I., and J. F. Smith. (2002). Contracting out: We don't know what we think we know. Presentation to ASPA/Association for Budgeting and Financial Management, Washington (DC), October 10, 2002,

Ho, A. T.-k., and J. F. Smith, (2001). Information technology planning and the Y2K problem in

local governments. *Am. Rev. Publ. Admin.* 31(2), 158-180.

Chen, M., and J. F. Smith. (2001). Automated laboratory in population dynamics. Presentation at NCSSSSMT Professional Conference, Worcester, MA, March 31, 2001.

Smith, J. F., and A. L. Franklin. (2000). Symposium on ethics and public budgeting and financial management: summation and conclusions. *Global Virtue Ethics Review*. 1(4).

Smith, J. F., and A. L. Franklin. (2000). Symposium on ethics and public budgeting and financial management: introduction to the symposium. *Global Virtue Ethics Review* 1(3).

Smith, J. F. (1999). The benefits and threats of PBB: an assessment of modern reform. *Public Budgeting & Finance* 19(3), 3-15.

Smith, J. F. (moderator). (1999). Panel on ethics and public budgeting and financial management, ASPA/Association for Budgeting and Financial Management, Washington, October 6, 1999.

Smith, J. F., M. J. Dougherty, and I. Rubin. (1999). Budgeting for the millennium. *Public Administration Review* 59(2), 95-96.

Smith, J. F. (1999) Why does environmental enforcement usually fail?: the Vienna U Bahn enforcement system as an alternative. *Environmental Management* 23(2), 6-17.

Smith, J. F. (1998). Does decentralization matter in environmental management? *Environmental Management* 22(2), 264-278.

Smith, J.F. (moderator). (1996). Panel on innovative funding for environmental protection and remediation, ASPA/Association for Budgeting and Financial Management, Washington, October 12, 1996.

Smith, J. F. (1995). *Decentralization: A Case Study in State Wastewater Discharge Permit Programming*. Dissertation. Blacksburg (VA), Virginia Polytechnic Institute and State University, 278 pp.

Force 2001: A Program Guide to the U.S. Navy. (1995). Washington: Chief of Naval Operations, 120 pp. (senior author and editor) This is the primary reference book provided to Congress each year to explain Navy programs; it summarizes policies, planning, and programming aspects as related to budget issues. Also contributed to 1994 and 1993 editions.

Deep Ocean Search, Inspection, and Recovery, U.S. Navy, (1986), With David P. Caccamo and Jerry D. Harris. Naval Warfare Publication (NWP) 19-3, 323 pp.

Smith, J. F. (1985). *Reorganization Plan for Naval Reserve Meteorology and Oceanography (METOC) Programs*. Bay St. Louis (MS), Naval Oceanographic Office, 92 pp.99

Smith, J. F. (1984). Peat mining in North Carolina: a case study in regulatory coordination. In *Proceedings of Triangle Conference on Environmental Technology*, Durham (NC), Duke University Press, pp. 382-386.

Declassification of Precise Bathymetry Products: Analysis and Recommendations. (Classified)

Deep Ocean Requirements Study: Final Report. 1984. (Associate editor and publication manager). Washington, DC: CNO (OP-23). (Classified)

Smith, J. F. (ed.). (1982). *Peat Mining in North Carolina: Impacts, Costs, and Benefits*, Coastal Energy Impact Program Publication # 32, Raleigh: NC DNRCD, 96 pp.

Awards

Morehead Scholar, Phi Beta Kappa, University of North Carolina 1964.

National Science Foundation Fellowship, 1965-67.

ARCS Fellowship in Oceanography, 1972-74.

Navy Commendation Medal, 1987, 1996

Virginia Outstanding Earth Science Teacher Award, 2006, National Association of Geoscience Teachers.

International Association of Emergency Managers (IAEM) 2007 Academic Recognition Award.