

CURRICULUM VITAE

Jennifer R. Pournelle

[Environment and Sustainability Program](#)
[School of Earth, Ocean, and Environment](#)

901 Sumter Street, Byrnes 430A
University of South Carolina 29169

Phone: (803) 777-3920 (o); (803) 873-4918 (c)

jpournelle@environ.sc.edu

<http://www.environ.sc.edu/people/pournelle>

Professional Experience

- 2009–** **Research Fellow, Research Assistant Professor, and Member, Graduate Faculty**, University of South Carolina [Environment and Sustainability Program](#).
- Director for Program Development, Master's in Earth and Environmental Resource Management—Addressing Workforce Needs in Environmental Sciences ([MEERM-AWNES](#))
 - PI, *High Risk: Deltaic Resilience and the Genesis of Mesopotamian Cities* (Iraq) - NSF 1045974
 - Faculty Affiliate, [Rule of Law Collaborative](#) and faculty lead, ROLC Document Repository.
 - Faculty Lead, Memorandum of Cooperation for Collaborative Research in the Environmental Sciences, University of Basrah, Iraq.
 - Faculty Lead: Addendum establishing Peace Corps Master's International ([PCMI](#)) program in environmental management.
 - Faculty Lead: Addendum establishing [Muskie Fellowships](#) in environmental management.
- 2006–2008** **Documentation Systems Manager**, LEAD Technologies, Charlotte, NC and Amman, Jordan. Managed automated production of programmer digital help systems, program sample source code, and related marketing materials and web presence for an award-winning imagery software manufacturer. Supervised local and offshore production personnel.
- 2005–2006** **Technical Communications Contractor, Time Warner Cable**, National IT HQ, Charlotte, NC. Produced, tested, and fielded turn-key training solutions for national roll-out. Verified business requirements and facilitated communication among business units and IT at national headquarters and four regional divisions.
- 2004–2005** **Administrative Coordinator to the Chief Nursing Officer, Duke University Health System**. Managed internal and external communications and training compliance. Facilitated “all-stakeholder” coordination among IT, communications, recruitment, training, and 6,000 clinical staff.
- 2003–2004** **Assistant Director, USAID-Iraq—SUNY Stony Brook University Program for Higher Education and Development in Archaeology and Environmental Health**. Executed federally-funded program for reconstruction of archaeology departments and re-training faculty and graduate students at universities in Iraq. See: www.stonybrook.edu/usaidhead/.
- 2000–2002** **Program Director, The Great Silk Road Survey Project**. Led the first U.S. team to systematically assess feasibility of regional multi-national, multi-disciplinary environmental research cooperation along oil pipeline transects through Turkey, the Republic of Georgia, and Azerbaijan. Funded by the UC Office of the President Office of Research, UC Institute on Global Conflict and Cooperation, UC San Diego Dept. of Anthropology, U. of Akron School of Social Sciences, and SUNY Cortland Dept. of Anthropology. With the cooperation of the Azerbaijan Academy of Sciences and British Petroleum. (Program terminated on outbreak of war).
- 1999–2002** **Graduate Research Assistant, The Mesopotamian Alluvium Project**. Principal Investigator: Robert McC. Adams. Funded by the National Geographic Society. GIS project integrating documentary, archaeological, and environmental source data with archaeological site maps derived from aerial photography, satellite imagery, and digital elevation models to reconstruct archaic watersheds and land-use patterns.
- 1999** **Graduate Research Assistant, Titriş Höyük Excavations, Şanlıurfa Province, Turkey. Landscape of an Early Bronze Age City**. Principal Investigator: Guillermo Algaze. Funded by the National

- Endowment for the Humanities. Reconstruction of urban industrial growth and land use during a period of climatic flux.
- 1996–1999 Project Manager, *Wired for Peace: Virtual Diplomacy in Northeast Asia*.** See www.wiredforpeace.org. In cooperation with Lawrence Livermore National Laboratory, developed multi-lingual, web-based systems to foster confidence-building communications among senior officials from Russia, China, North Korea, South Korea, and Japan. Funded by the U.S. DOE, the INTEL Corporation, and the U.S. Institute of Peace.
- 1994–1997 Project Manager, *Wired for Peace: Virtual Diplomacy in the Middle East*.** In cooperation with Lawrence Livermore National Laboratory, introduced internet technologies relevant to international environmental agreements and arms control monitoring to officials from Israel, Jordan, Palestine, Lebanon, Egypt, Tunisia, and other Arab states. Funded by the U.S. DOE and the Hashemite Kingdom of Jordan.
- 1994–2002 Principal Public administration Analyst/Managing Editor, University of California Institute on Global Conflict and Cooperation (UCIGCC), La Jolla, CA.** Managing Editor of international newsletter, policy briefs, white papers, journal articles, and scholarly books reporting institute multi-disciplinary research on climate change, water and resource management, and their relation to international arms control and security. Implemented database information management systems.
- 1993–1994 Editor-in-Chief, Remote Control International, San Diego, CA.**
- 1991–1993 Instructor, Phillips Junior College, and Education Director, The Learning Center, Las Vegas, NV.**
- 1991 Lecturer, German Studies, University of Maryland, Berlin.**
- 1990 Medical Liaison Officer, Operation Desert Storm, J-5, US MEDCOM, Heidelberg, Germany**
- 1990 Ground Liaison Officer, Operation Desert Shield, J-2, JOIC, USCOMNAVSOUTH, Naples, Italy**
- 1989-1990 Lines-of Communications Officer, Northern Tier (Denmark, Norway, United Kingdom), HQ, U.S. Army, Europe, Heidelberg, Germany.**
- 1988–1989 Member, United States Delegation to the Conference on Security Cooperation in Europe (CSCE), negotiations on Confidence- and Security-Building Measures (CSBM), Vienna, Austria.**
- 1987–1988 U.S. Army Foreign Area Officer Fellow, Defense Language Institute, Monterrey, CA and Cornell University, Dept. of German Studies, Ithaca, NY.**
- 1978–1991 Military Intelligence Officer, United States Army.** Air Reconnaissance Liaison Officer (XO), Detachment Commander, Battalion Intelligence and Security Officer (S2), Ft. Bragg, NC; Brigade Intelligence and Security Officer (S2), 42d Field Artillery, U.S. V Corps, Giessen, Germany.
- 1977 Undergraduate Research Assistant, Michigan State University Field School in Archaeology, Petriolo II, Tuscany.** Principal Investigator: Joel Chartkoff. One of the first projects to systematically reconstruct paleoenvironment as related to early human settlement and land use.

Publications

- Contracted** "Fluvial Landscapes and Civilizations in Mesopotamia." *Proceedings of the American Geophysical Union Chapman Conference on Climates, Past Landscapes, and Civilizations*, Santa Fe, NM 21–25 March 2011.
- Contracted** Physical Geography. In: *The Sumerian World*, ed. by H. Crawford. Routledge Companion to Museum Ethics. Oxford: Routledge.
- Submitted** Hritz, C, J. R. Pournelle, and J. Smith. 2012 (anticipated). Mid-Holocene Dates for Organic-Rich Sediment, Palustrine Shell, and Charcoal, Southern Iraq. *Radiocarbon*.
- Submitted** Hritz, C, J. R. Pournelle, and J. Smith. 2012 (anticipated). Revisiting the Sealands: Report of Preliminary Ground Reconnaissance in the Hammar District, Dhi Qar and Basra Governorates, Iraq. *Iraq*.
- In Press** (With Carrie Hritz). 2012 (anticipated). "[Feeding History: Deltaic Resilience, Inherited Practice, and Millennial-Scale Sustainability in an Urbanized Landscape.](#)" In: *From Field to Table: Historical Ecology of Regional Subsistence Strategies*, edited by David Goldstein [in press]. Columbia, SC: University of South Carolina Press.

- In Press** (With Guillermo Algaze). 2011 (anticipated). "[Travels in Edin: Deltaic Resilience and Early Urbanism in Greater Mesopotamia](#)." In: *Preludes to Urbanism: Studies in the Late Chalcolithic of Mesopotamia in Honour of Joan Oates*, ed. by H. Crawford, A. McMahon, and J. N. Postgate. B.A.R. International Series. Oxford: Archaeopress.
- 2011** *Excavations: a City Cycle*. Columbia, SC: University of South Carolina Press. 2010 Winner, South Carolina Poetry Initiative Book Prize.
- 2010** *Outies*. W. Columbia, SC: New Brookland Press. A work of environmental science fiction.
- 2009** Fletcher, M., D. Porter, H. Kelsey, V. Shervette, D. Ramage, J. Pournelle. "[A Southeast Regional Testbed for Integrating Complex Coastal and Ocean Information Systems](#)." *Proceedings of the Marine Technical Society/IEEE Conference on Marine Technology for our Future: Global and Local Challenges (OCEANS '09)*, Biloxi, Mississippi, 26-29 October 2009.
- 2007** From KLM to Corona: Using satellite photography toward a new understanding of 5th/4th millennium BC landscapes in southern Mesopotamia. In: *Settlement and Society: Ecology, Urbanism, Trade and Technology in Ancient Mesopotamia*, ed. E. Stone. UCLA: Cotsen Institute.
- 2004** (With Guillermo Algaze). Climatic change, environmental change, and social change at Early Bronze Age Tiriş Höyük: Can correlation and causation be untangled? In: *From Primary Villages to Cities: Ufuk Esin Festschrift*, ed. Mehmet Ozdogan. Istanbul: ASY.
- 2003** The littoral foundations of the Uruk state: Using satellite photography toward a new understanding of 5th/4th millennium BCE landscapes in the Warka Survey Area, Iraq. In: *Chalcolithic Hydrostrategies. Papers held at the International Union of Prehistoric and Protohistoric Science 2001 Congress, Liège*, ed. D. Gheorghiu: 5–24. BAR IS 1123. Oxford: Archaeopress.
- 2001** Site-wide operations: The material foundations of Late EBA urbanization at Tiriş. Tiriş and its hinterland: The EBA landscape of the city. (With Guillermo Algaze and Timothy Matney) Conclusions. In: *Research at Tiriş Höyük in southeastern Turkey: the 1999 season*. Guillermo Algaze, Timothy Matney, et al. *Anatolica* 27 (2001): 23–106.
- 2001** Figure 1: The ancient Mesopotamian alluvium during the 5th and 4th millennium BC. In: *Initial social complexity in southwest Asia: The Mesopotamian advantage* by Guillermo Algaze. *Current Anthropology* 42, 2 (April 2001): 202.
- 2001–1994** Editor, *UC-IGCC NewsWired, Policy Papers, Policy Briefs*, others. See www-igcc.ucsd.edu.

Invited Presentations

- 2011** "The evolution of river systems since the Last Glacial Maximum and their interactions with human societies." American Geophysical Union, San Francisco, CA, 9 December.
- 2011** "[Models and Trends in Contemporary Higher Education](#)." Institute of International Education, Erbil, Iraq, 22–24 June.
- 2011** "[Water, Development, Rights, and ROL](#)." [Interagency Rule of Law Training Course](#), Columbia, SC, 9–13 May.
- 2011** "Diving to Edin." National Geographic Television, Dubai and southern Iraq, April, 2011, to air Fall 2011.
- 2011** "Environmental Security." Predeployment/Preposting ROL Short Course, Washington, DC, 24–25 March.
- 2011** *Exploring Iraq's Garden of Eden*. Keynote Address, Explorer's Club National Meeting, Charleston, SC, February 2011.
- 2010** "[Three Degrees of Separation](#)" *Session Two: Climate Change & Regional Biomass Policy: Challenges and Opportunities* (Presenter & Facilitator). USC School of Environment and School of Law, November 11-12.
- 2010** [Conflict, Livelihoods, and the Environment: Water, War, and the Iraqi Marshlands](#). Keynote Address, Davidson College, 7:00 pm, October 27th.
- 2010** [Future Threats: Water and ROL in Transitional and Post Conflict Zones](#). The University of South Carolina [Rule of Law Collaborative](#) (ROLC) [Inaugural](#) Conference on Rule of Law in Transitional and Post-Conflict Zones, May 10-14th.
- 2010** *Feeding History: Deltaic Resilience, Inherited Practice, and Millennial-Scale Sustainability in an Urbanized Landscape*. At: [From Field to Table: Historical Ecology of Regional Subsistence Strategies](#). University of South Carolina, Columbia, SC, March 18-21.
- 2009** [KLM to Corona: Deltaic Landscapes and the Birth of Cities](#), University of South Carolina Geography Colloquium, 3:30 pm, Sept. 11th, Callcott Building, Room 201.

- 2005 **The View from the South: Deltaic Landscapes and the Heartland of Cities.** From Sumer to Southern Iraq: Invited Archaeology Session for *American Anthropological Association Annual Meeting*, Washington, DC., November–December 2005.
- 2004 **Deltaic landscape at the dawn of Mesopotamian civilization.** *Eastern Mediterranean/Near Eastern Geoarchaeology Meeting*, University of Tübingen, May 2004.
- 2004 **Marshland of Cities: Visualizing Landscapes in Southern Iraq.** *Fourth International Conference on the Archaeology of the Ancient Near East*, Berlin, March 2004.
- 2002 **Marshland hinterlands? Toward a rural economy of Mesopotamian wetlands.** University of Durham (England) Departments of Archaeology and Geography, 20 June 2002.
- 2002 **Identifying fortified outposts and hydrology near Merv, Turkmenistan** with satellite photography. University of Bologna (Italy) Department of Archaeology, Bologna, Italy, May 2002.
- 2002 **Is the medium the message? Interpreting CORONA photography in southern Iraq.** University of Chicago Department of Anthropology, February 2002.
- 2001 **Founded on sand: The satellite imagery revolution and southern Mesopotamian societies.** *American Anthropological Association Annual Meeting*, Washington, DC., December 2001.
- 2001 **Social implications of 5th/4th Millennium BC deltaic landscapes in southern Mesopotamia.** *American School of Oriental Research Annual Meeting*, Boulder, CO, 14–17 November 2001.
- 2001 **From KLM to Corona: Using satellite photography toward a new understanding of landscapes in southern Mesopotamia.** *Archaeological Institute of America Annual Meeting, Gold Medal Panel in Honor of Robert McC. Adams*. Philadelphia, PA, 3–6 January 2001.
- 2000 **Old skins, new wine: Corona satellite photography and urban origins in the ancient Near East.** *JASON*, Scripps Institution of Oceanography, La Jolla, CA, 20 July 2000.
- 1999 **Building an Early Bronze Age city: Titriş in its landscape.** *American Institute of Archaeology*, San Diego. October 1999.
- 1999 **The Mesopotamian heartland revisited: Identifying 4th millennium BC rivers in Babylonia on satellite imagery.** University of Chicago Institute of Oriental Studies, March 1999.
- 1999 **Democracy and Defense Curricular Reform: Education versus Training** *2d International Conference of the Partnership for Peace Consortium of Defense Academies and Security Studies Institutes: Curriculum Development*. Sophia, **Bulgaria**, 8–10 December 1999
- 1998 **Wired for Peace: a prototype for virtual diplomacy in Northeast Asia.** *Eighth Plenary meeting of the Northeast Asia Cooperation Dialogue*, co-sponsored by UC-IGCC and the Russian Academy of Sciences Institute of Far Eastern Studies. Moscow, **Russia**, November, 1998.
- 1998 **Prospects for use of virtual private networks in multilateral track-two negotiations.** *3d International Security Forum and 1st Conference of the Partnership for Peace Consortium of Defense Academies and Security Studies Institutes: Networking the Security Community in the Information Age*. Swiss Federal Institute of Technology. Zürich, **Switzerland**, 19–21 October 1998.
- 1997 **Critical problems for successful search services: Lessons from multilingual focus groups.** *2nd Workshop on Common Databases in the Field of International Relations and Security: Building a Limited Area Search Service*. Center for Security Studies and Research, Swiss Federal Institute of Technology, Zürich, 6–8 November, 1997.
- 1997 **Fostering diplomacy through online collaboration in a multinational experts group.** *Second International Workshop on the Future of Internet Services on Conflict and Ethnicity: Focusing on the User*. Initiative on Conflict Resolution and Ethnicity, University of Ulster and United Nations University (via video link), July 1997.
- 1997 **Online defense information sharing as a confidence and security-building measure.** *Common databases in the field of International Relations and Security: Models and solutions for organizing issue-relevant information processing and the cooperation between institutes*. Stockholm International Peace Research Institute, Stockholm, **Sweden**, February 1997.
- 1996 **New prospects for serving “track-two” regional diplomacy.** *First International Workshop on the Future of Internet Services on Conflict and Ethnicity*. INCORE, University of Ulster and United Nations University, Derry, Northern **Ireland** November 1996.
- 1995 **Wired for Peace: Virtual diplomacy in the Middle East.** A prototype implementation of World Wide Web and related internet technologies in support of regional multilateral track-two negotiations. *Promoting Regional Cooperation for the Middle East*. Cosponsored by the University

of California Institute on Global Conflict and Cooperation and the Hashemite Kingdom of Jordan. Petra, **Jordan**.

- 1990 "A Time for Openness" or "Managing Change." Arms control negotiation dynamics and their impact on formulating national security policy within the 35-nation CSCE (Helsinki) process. *Peace Studies Program*, Cornell University, Ithaca, New York.

Education

- 2003 **Ph.D., Anthropology**, University of California, San Diego.
Dissertation: *Marshland of Cities: Deltaic Landscapes and Mesopotamian Civilization*. Evaluates the millennium-scale role of Iraq's wetlands in promoting and sustaining small-scale urbanization, in contrast to twentieth-century attitudes regarding wetlands management.
- 2000 **M.A., Anthropology**, University of California, San Diego.
Thesis: *Crafted City, Administered State: Text, Context, and Urban Construction at Titiş Höyük*. Assesses interactions among labor practices, climatic change, and urban sustainability during rapid urbanization in the dry-framing grain belt of southeastern Turkey.
- 1988 **M.A., German Studies**, Cornell University.
Thesis: *Konrad Adenauer's Military Advisors*. Evaluated the role of military reform in rebuilding post-war democratic institutions and civil society.
- 1977 **B.S. (With Honor), Anthropology**, Honors College, Michigan State University.
Honors Thesis: *Impact Assessment of Jabatan Orang Asli (Department of Aboriginal Affairs) Resettlement Schemes in the Cameron Highlands, Malaysia*. Assessed health and family economy impact of top-down government resettlement programs on indigenous swidden agriculturalists during a period of insurgency and civil unrest.

Academic Awards

- 2011 University of South Carolina Internationalization Award Nominee (decision pending).
- 2011 [Triptree Award](#) Nominee (decision pending).
- 2010 South Carolina Poetry Initiative Book Prize
- 2003 University of Chicago Oriental Institute Post-Doctoral fellow (declined)
- 2001–2001 American School of Oriental Research Mesopotamian Fellow
- 2000–2003 National Science Foundation Graduate Research Fellow
- 1999, 2003 UC San Diego Dean of Social Sciences Travel Award
- 1998–2002 UC-IGCC Fellowship
- 1987–1990 U.S. Army Foreign Area Officer Fellowship
- 1973 National Merit Scholarship
- 1973 National Council of Teachers of English Young Writers Award

Academic Service

- 2011 Member, Environment and Sustainability Faculty Replenishment Hiring Proposal Review Committee
- 2011 Member (Country Expert), University of South Carolina Fulbright Committee
- 2011 Reviewer, University of South Carolina Study Abroad "Beyond Boundaries" Scholarship Awards
- 2010– Member, University of South Carolina Partnership for Public Service Federal Advisory Board
- 2009– Member, MEERM Coordinating Committee
- 1998–1999 Chair, Subcommittee for LGBT Issues, UC San Diego Chancellor's Commission on Diversity.
- 1998 External Reviewer, INCORE (Initiative on Conflict Resolution and Ethnicity), University of Ulster and United Nations University, Derry, Northern Ireland, 5-year Review.
- 1997–2002 Member, UC San Diego Middle Management Council.

1994–2002 Member, UC San Diego Chancellor's Advisory Committee on LGBT Issues (Subcommittee Chair 1994–95; Committee Co-Chair 1995–98).

Teaching Experience

- 2011 **ENVR 790B: Environmental Internships** (Spring 2011).
[COLA 298: Water and Life in the Middle East \(Capstone Study Abroad\)](#) (Maymester 2011)
ENVR 590: Water and Sustainability in the Middle East (senior environmental science majors' capstone course) (Fall 2011).
[ENVR 790A: Environmental Internship Project Planning](#) (Fall 2011)
- 2010 [ENVR 790A: Environmental Internship Project Planning](#) / [ENVR 700i: Environmental Internship Project Planning](#) (Fall 2010). University of South Carolina School of the Environment.
- 2003–2004 Adjunct Assistant Professor, Interdepartmental Doctoral Program in Anthropological Sciences, SUNY Stony Brook. See gibbon.anat.sunysb.edu/IDPAS/Pournelle.htm. *Landscape Archaeology*.
- 1999 Teaching Assistant and occasional Lecturer, Dept. of Anthropology, University of California, San Diego. *Origins of Complex Societies; Origins of Agriculture and Sedentism; Human Origins*.
- 1991–1993 Instructor, Phillips Junior College, and Education Director, The Learning Center, Las Vegas, NV; Training Director, Remote Control International, San Diego, CA. *Beginning–Advanced Business Computing; User Interface Design*.
- 1991 Lecturer, University of Maryland, Berlin. *German Life and Culture; Jews under Nazism; Nuremberg War Crimes Trials*.
- 1978–1986 Training Coordinator, U.S. Army. *Air Photographic Interpretation and Terrain Analysis*

Graduate Theses Supervised

2009–Present 3 Ph.D., 3 MEERM, 2 MSc.

Affiliations

Member: American Institute of Archaeology, American School of Oriental Research, Association of American Anthropology, National Geographic Society, Smithsonian Institution, Society of American Archaeologists, United States Equestrian Federation

Fellow National, Explorer's Club

Languages

Fluent: German

Limited Reading: Dutch, French, Italian

Limited Speaking: Spanish, Turkish