Curriculum Vitae

Michael David Frachetti

Associate Professor
Department of Anthropology
Washington University in St. Louis
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St. Louis MO 63130

6102 Waterman Blvd.
St. Louis MO 63112
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CURRENT RESEARCH FOCUS

My research concerns the archaeology, ecology, socio-political organization and economy of prehistoric and contemporary societies. In addition, I focus on environmental studies and cultural landscape reconstruction, as well as ecological modeling using Remote Sensing in conjunction with Geographic Information Systems (GIS), especially in extreme or marginal ecological contexts (Inner Asian high mountains and deserts, Island Indonesia).

Languages: Fluent/Conversational: English, Russian, Italian, and French;
Basic/Functional: German, Spanish, Chinese, and Uzbek.

APPOINTMENTS

2011-Present Associate Professor, Department of Anthropology, Washington University in St. Louis

2011-Present Associate Professor, International & Area Studies (Program Faculty), Washington University in St. Louis

2005-Present Director: Spatial Analysis, Interpretation, & Exploration (SAIE) laboratory, Washington University in St. Louis (www.saie.wustl.edu)

2008-Present Associate Editor, Journal of World Prehistory

2013- Present International Advisory Committee, Shanghai Archaeological Forum (Chinese National Academy of Sciences)

2012-2015 Board of Directors, Louis J. Kolb Society, University of Pennsylvania Museum of Anthropology and Archaeology

2012-2013 Visiting Research Scholar, Institute for the Study of the Ancient World, NYU

2005-2011 Assistant Professor, Department of Anthropology, Washington University in St. Louis

2008-Present Research Associate, Cotsen Institute of Archaeology (UCLA)

2004-2005 Visiting Post-doctoral Scholar, Eurasian Department, Deutsches Archäologisches Institut, Berlin (Germany)

EDUCATION

2004 Ph.D. (Anthropology) University of Pennsylvania

1999 M. Phil *w/distinction* (Archaeology) St. John's College, Cambridge University (UK)

1997 B.A. w/*honors* (Anthropology) State University of New York at Buffalo

PUBLICATIONS

BOOKS

(In Preparation) Frachetti, M and R. Spengler (eds.) Great Migrations: Asia and the Americas. (Proceedings of the Conference held 2011 in NY). Springer Press (*Expected Spring 2015*).

(In Preparation) Boivin, N. and M. Frachetti (eds.). *Ancient Globalization and the "People Without History",* Under review – Cambridge University Press.

(In Preparation) Frachetti, Michael D. *Ancient Inner Asia.* Case Studies in Early Societies. Cambridge, Cambridge University Press *(Expected copyright Winter 2015).*

2008 Frachetti, Michael D. *Pastoralist Landscapes and Social Interaction in Bronze Age Eurasia.* Berkeley: University of California Press.

JOURNAL ARTICLES AND BOOK CHAPTERS

(In review) Doumani, P.N., Frachetti, M.D., Beardmore, R., Schmaus, T., Spengler III, R.N., Mar'yashev, A.N. Innovation and Stability in Burial Ritual, Seasonal Agriculture, and Craft Traditions among Bronze Age Mobile Pastoralists as Tasbas (SE Kazakhstan). *Journal of Anthropological Archaeology*.

2014 Spengler RN, Frachetti MD, and Doumani PN. Agriculture in the Piedmont of Eastern Central Asia: The Late Bronze Age at Tasbas, Kazakhstan. *Quaternary International* http://dx.doi.org/10.1016/j.quaint.2014.03.039

2014 Frachetti, Michael. Seeds for the Soul: Ideology and Diffusion of Domesticated Grains Across Inner Asia. In *Reconfiguring the Silk Road,* ed. V. Mair, and J. Hickman. Philadelphia: University of Pennsylvania Museum Press**,** pgs. 41-54.

2014 Frachetti, Michael D. and Farhod Maksudov. The Landscape of Ancient Mobile Pastoralism in the Highlands of southeastern Uzbekistan, 2000 B.C. – A.D. 1400. *Journal of Field Archaeology 30(3): 195-212.*

2014 Spengler RN, Frachetti MD, Doumani, PN, Rouse LM, Cerasetti B, Bullion E, Mar'yashev AN. Early agriculture and crop transmission among Bronze Age mobile pastoralists of Central Eurasia**.** *Proceedings of the Royal Society B* 281: 20133382. http://dx.doi.org/10.1098/rspb.2013.3382

2013 Frachetti, Michael D. Commentary on "Pastoralism and Pilgrimage: Ibn Khaldun's Bayt-State Model and the Rise of Arabian Kingdoms" by Joy McCorriston. *Current Anthropology* 54(5): 607-41.

2013 Spengler, R.N., Frachetti, M.D. and G.J. Fritz. Ecotopes and Herd Foraging Practices in the Steppe/Mountain Ecotone of Central Asia during the Bronze and Iron Ages. *Journal of Ethnobiology* 33(1): 125-47.

2013 Frachetti, Michael D. Bronze Age Pastoralism and Differentiated Landscapes along the Inner Asian Mountain Corridor. In *Connections and Complexity: New Approaches to the Archaeology of South and Central Asia*, eds. Shinu Abraham, Praveena Gullapalli, Teresa Raczek and Uzma Rizvi. Pp. 279-98. Los Angeles: Left Coast Press.

2012 Doumani, Paula and Michael D. Frachetti. Bronze Age Textile Evidence In Ceramic Impressions: Weaving And Pottery Technology Among Mobile Pastoralists Of Central Eurasia. *Antiquity* 86: 368-82.

2012 Frachetti, Michael and Lynne Rouse. Central Asia, the steppe and the Near East, 2500-1500 BC. In *Companion to the Archaeology of the Near East*, ed. D. Potts, pp. 687-705. London: Blackwell Publishers.

2012 Frachetti, Michael D. Multi-Regional Emergence of Mobile Pastoralism and Non-Uniform Institutional Complexity Across Eurasia. *Current Anthropology*. 53(1): 2-38.

2011 Frachetti, Michael D. The Migration Concept in Central Eurasian Archaeology. *Annual Review of Anthropology* 40:195–21.

2010 Frachetti, Michael D., Spengler, R.S., Fritz, G. J., and A.N. Mar'yashev. Earliest Evidence of Broomcorn Millet and Wheat in the Central Eurasian Steppe Region. *Antiquity* 84 (326): 993-1010.

2010 Frachetti, M., Benecke, N, Mar'yashev, A. N., and P. Doumani. Eurasian Pastoralists and Their Shifting Regional Interactions at the Steppe Margin: Settlement History at Mukri, Kazakhstan. *World Archaeology* 42(4): 622-646.

2009 Frachetti, M.D. and N. Benecke. From Sheep to (Some) Horses: 4500 Years of Herd Structure at the Pastoralist Settlement of Begash (Southeastern Kazakhstan). *Antiquity* 83 (322): 1023-1037.

2009 Frachetti, Michael D. Differentiated Landscapes and Non-Uniform Complexity among Bronze Age Societies of the Eurasian Steppe. In *Social Complexity in Prehistoric Eurasia: Monuments, Metals and Mobility,* eds. Bryan Hanks And Kathryn Linduff, 19-46. Cambridge: Cambridge University Press.

2009 Fentress, Elizabeth, Michael Frachetti, and Kimberly Brown. Chapter 2: Methodology. In *An Island Through Time: Jerba Studies, volume 1,* eds. E. Fentress, R. Holod, and A. Drine, 21-36. Portsmouth: *Journal of Roman Archaeology*, *Supp. monograph 71.*

2009 Frachetti, Michael D. Chapter 4: Geography. In *An Island Through Time: Jerba studies, volume 1,* eds. E. Fentress, E., R. Holod, and A. Drine, 55-71. Portsmouth: *Journal of Roman Archaeology*, *Supp. monograph 71.*

2009 Frachetti, Michael D. and Alexei N. Mar'yashev. Periodizatsii i Khronologiya Dolgovremenogo Poseleniya Bigash [Periodization and Chronology of the Long-term Settlement Begash]. *Izvestia, National Academy of Science, Republic of Kazakhstan* 1: 70-83.

2008 Frachetti, Michael D. Variability and Dynamic Landscapes of Mobile Pastoralism in Ethnography and Prehistory. In *The Archaeology of Mobility: Nomads in the Old and in the New World*, eds. H. Barnard and W. Wendrich, 366-96. *Cotsen Advanced Seminar Series 4*. Los Angeles: Cotsen Institute of Archaeology, UCLA.

2007 Frachetti, Michael D. and Alexei N. Mar'yashev. Long-term Occupation and Seasonal Settlement of Eastern Eurasian Pastoralists at Begash, Kazakhstan. *Journal of Field Archaeology* 32(3): 221-42

2007 Mar'yashev, Alexei and Michael Frachetti. Issledovanie mogil'nikov i poseleniya u sela Bigash v vostochnom Semirech'ye [Study of the Burial and Settlement Begash in Eastern Semirech'ye]. *Istoria i Arkeologiya Semirech'ya* 3: 100-105

2006 Frachetti, Michael D. The Dzhungar Mountains Archaeology Project: Reconstructing Bronze Age Life in the Mountains of Eastern Kazakhstan. In *Beyond the Steppe and the Sown,* eds. D.L. Peterson, L.M. Popova and A.T. Smith, 122-41. Boston: Brill Academic Publishing.

2006 Frachetti, Michael D. Digital archaeology and the Scalar Structure of Space and Time: Modeling Mobile Societies of Prehistoric Central Asia. In *Digital Archaeology,* eds. Evans T. and P. Daly, 128-47. London: Routledge.

2006 Frachetti, Michael D. Ancient Nomads of the Andronovo Culture: The Globalization of the Eurasian Steppe during Prehistory. In *Of Gold and Grass: Nomads of Kazakhstan,* eds. C. Chang and K. Guroff, 21-8. Washington: Foundation for International Arts & Education.

2004 Frachetti, Michael D. Archaeological Explorations of Bronze Age Pastoral Societies in the Mountains of Eastern Eurasia. *The Silk Road* 2(1): 3-8.

2004 Frachetti, Michael D. and C. Chippindale. Invited Commentary on: "Ethnography and Material Culture: A Review" by Christopher Tilley. *Journal of Interdisciplinary Crossroads* 1(1): 40-44.

2003 Aubekerov, B. Zh., S.A., Nigmatova, and Michael D. Frachetti. Geomorfologicheskie Osobennosti Raiona Arkheologicheskogo Pamyatnika Begash Severnoi Dzhongarii [Geomorphology of the Region and Archaeological Monument of Begash, Northern Dzhungaria]. In *Aktual'nie Problemy Geosistem Aridnikh Territorii,* 287-89. Almaty: National Kazakh University.

2002 Frachetti, Michael D. Bronze Age Exploitation and Political Dynamics of the Eastern Eurasian Steppe Zone. In *Ancient Interactions: East and West in Eurasia vol. 1*, eds. K. Boyle, C. Renfrew, and M. Levine, 161-70. Cambridge: McDonald Institute Monographs.

2002 Frachetti, Michael D. and C. Chippindale. Alpine Space, Alpine Time and Prehistoric Human Experience. In *European Landscapes of Rock-Art,* eds. C. Chippindale and G. Nash, 116-43. London: Routledge.

2000 Daly, P., M. Frachetti, and J. Okkonen, GIS and Early Åland: Spatial Analysis in an Archipelago of Southwestern Finland. In *CAA '96: Computer Applications and Quantitative Methods in Archaeology*, eds. K. Lockyear, T. J. Sly, and V. Mihailescu-Birliba, Vol. 845: 91-100. Oxford: BAR International Series.

1999 Zubrow, E., M. Nunez, P. Daly, M. Frachetti, P. Trella, D. Chestnut, P. Mitchell, K. Niskanen, A. Rajala, and E. Thurston. Archaeological Survey of the Finnish-Russian Border and the Oulanka River Valley. *Oulanka Reports* 20: 5-60.

1998 Zubrow, E.B.W. and M. Frachetti. The Changing World-view of Prehistoric Populations. *KVHAA Konferenser* (Stockholm, Sweden) 40: 27-63.

1997 Núñez, M., J. Okkonen, M. Frachetti, and P. Daly. GIS Where Altitude is a Function of Time. In *Archaeological Applications of GIS: Proceedings of Colloquium II, UISPP XIIIth Congress, Forli, Italy, September 1996,* eds. I. Johnson, & M. North. Sydney University Archaeological Methods Series 5.

BOOK REVIEWS

2009 Frachetti, Michael. Review of: *Art and Archaeology of Afghanistan: Its Fall and Survival. A Multi-disciplinary Approach,* edited by Juliette van Krieken-Pieters Leiden: Brill, (2006). *Journal of Asian History* 43(1): 78-79.

GRANTS & RESEARCH DEVELOPMENT (Amounts reflect 'Direct Cost')

2014-16	**$38,000**	Principal Investigator, Max von Berchem Foundation "Archaeological Research of the Qarakhanids (ARQ): 'Nomadic' urbanism and the architecture of production at the mountain town of Tashbulak, Uzbekistan (11th c. AD)"
2014-15	**$35,000**	Principal Investigator, I-CARES Washington University in St. Louis "Iron production, urbanism, and environmental sustainability along the Medieval Silk Road: ecological niche construction and ancient industrial development at the highland smelting center Tashbulak, Uzbekistan."
2012-13	**$15,000**	Principal Investigator, National Geographic-Waitt Foundation Research Grant "Remote Sensing and archaeological reconnaissance of a highland nomadic center, Malguzar Uzbekistan."
2011-12	**$7000**	Principal Investigator, Grimm Travel Grant Washington University in St. Louis
2010-12	**$35,000**	Principal Investigator, NSF – High Risk Research in Archaeology "High Risk Archaeology Along The Inner Asian Mountain Corridor: Investigating the Earliest Development Of Mobile Pastoralism In The Zaamin/Zeravshan Mts. Of Uzbekistan"

2011 est. **$30,000** Principal Investigator Planet Action Foundation, Imagery Grant (SPOT satellite imagery granted on a competitive basis) "High Resolution Mapping of Social Response to Coastline Change on Nias, Indonesia"

2011 **$7,000** Principal Investigator, Faculty Research Grant
Washington University in St. Louis

2010 est. **$18,000** Principal Investigator Geoeye Foundation, Imagery Grant (IKONOS satellite imagery granted on a competitive basis). "High Resolution Mapping of Social Response to Coastline Change on Nias, Indonesia"

2008-10 **$200,000** Consultant, US Dept. of State Bureau of Educational and Cultural Affairs (Grant # (ECA/PE/C-05-01) PI: Dr. K. Anne Pyburn
"Community Cultural Resource Management for the Silk Road: A Citizen Exchanges Proposal for Kyrgyzstan" (administered by Indiana University).

2009-10 **$10,000** Principal Investigator, MAGEEP Washington University in St. Louis/McDonnell Academy
"Coastline loss and the socio-environmental impact of displaced communities: Correlating environmental catalysts for shoreline change with human response in Nias, Indonesia."

2008-10 **$20,000** Postdoctoral Research Grant for Eurasia,
Social Science Research Council (SSRC) (listed also under awards)
"Nomadic networks and the Inner Asian mountain corridor: Documenting the earliest spread of domestic animals and pastoralism in Inner Asia."

2005-08 **$109,092** Principal Investigator, National Science Foundation "Archaeological Studies in the Dzhungar Mountains and the Balkhash Desert of Eastern Kazakhstan."

2008 **$7500** Principal Investigator, Mary-Morris Stein Foundation Grant
"Dzhungar Regional Archaeological Project"

2008 **$7000** Principal Investigator, Grimm Travel Grant
Washington University in St. Louis
"Dzhungar Regional Archaeological Project"

2007 **$5000** Principal Investigator, Mary-Morris Stein Foundation Grant
"Dzhungar Regional Archaeological Project"

2002 **$11,900** Co-PI, Dissertation improvement grant National Science Foundation, "Dzhungar Mountains Archaeology Project - Modeling Prehistoric Pastoral Nomadism and Landscapes of Eastern Kazakhstan."

1998 **$20,000** Co-Investigator, National Science Foundation,
"High Risk Exploratory Research: Archaeological Survey along the Northern Finnish/Russian Border.

SUPERVISED GRADUATE STUDENT GRANTS AND RESEARCH

2011-2012 **$20,000** Principal Investigator w/ **Co-PI Paula Doumani**

NSF Doctoral Dissertation Improvement Grant: Development of Ceramic Technology in the Eastern Eurasian Steppe Zone

2010-11 **$18,830** Principal Investigator **w/ Co-PI Lynne Rouse**
NSF Doctoral Dissertation Improvement Grant: The Ancient Murgab Archaeology Project: Perspectives on Bronze Age Interaction in southern Turkmenistan

2010-11 **$15,000** Principal Investigator **w/ Co-PI Lynne Rouse**
Wenner-Gren Doctoral Research Fellowship: The Ancient Murgab Archaeology Project: Perspectives on Bronze Age Interaction in southern Turkmenistan

2010-11 **$20,000** Principal Investigator w/ **Co-PI Robert Spengler**
NSF Doctoral Dissertation Improvement Grant: Plant Use and Domestic Economy among Eurasian Mobile Pastoralists: Semirech'ye, Kazakhstan during the Bronze and Iron Age Interface

FELLOWSHIPS, AWARDS & DISTINCTIONS

2012-2013 **Visiting Research Scholar** at The Institute for the Study of the Ancient World, NYU.

2010 **Sony Electronics Award** at Washington University in St. Louis (one of two faculty members selected for est. $4000 of Sony computer/media equipment)

2009-present Elected Fellow & Advisory Committee, The **Fine Foundation for Scientific Research** (Carnegie Mellon University)

2009 **Fulbright Research Scholar**, Almaty (Kazakhstan)

2008-2010 **SSRC** (Social Sciences Research Council) Post-doctoral Eurasian Research Fellowship

2007 **ArtSci Council teaching award**, Washington University in St. Louis

2004-2005 **Post-doctoral fellowship**, Program for the Archaeology of Ukraine & Eurasia, University of Pennsylvania (Conducted at the Deutsches Archäologisches Institut, Berlin)

2000 **Elected Fellow**, Louis J. Kolb Society of Fellows (University of Pennsylvania)

2003 **American Councils for International Education** (ACTR/ACCELS) Research Scholar's Fellowship for individual research in Almaty, Kazakhstan (May-August)

2002-2003 **NSF** Dissertation Improvement Grant

2002 Charles Williams Grant (U. Penn) for study of archaeology in the Ukraine

2002 **George F. Dales Foundation** Grant

1999-2000 **FLAS** (Foreign Language Area Studies) Fellowship for Asian Studies

1998-1999 **Dean's Fellowship** - University of Pennsylvania

ARCHAEOLOGICAL/APPLIED FIELD WORK

2011-Present Director/PI: Malguzar Uzbek/American Archaeological Research (MALGUZAAR), Uzbekistan.

Washington University in St. Louis/ National Institute of Archaeology, Samarkand Uzbekistan

2009- Present Director/PI: Nias (Indonesia) Assessment of Sustainability and Ecology (NIASE)

Washington University in St. Louis/ National University of Singapore/Nanyang University (Earth Observatory)

1999 - Present Director/PI: Dzhungar Mountains Archaeology Project (DMAP), Kazakhstan

Washington University in St. Louis/ National Institute of Archaeology, Kazakhstan

2010- 2011 Director/PI: Zaamin Archaeological Pilot Project (ZAPP), Uzbekistan

Washington University in St. Louis/ National Institute of Archaeology, Samarkand Uzbekistan

9/2000 GIS specialist and surveyor, Volubilis, Morocco

Institute of Archaeology, University College London
Directors: E. Fentress/G. Palumbo

1996-2000 GIS specialist and cartographer, Jerba, Tunisia

U. Of Pennsylvania/American Academy in Rome.
Directors: R. Holod/ E. Fentress

7/1998 Co-field director and GIS specialist, Kuusamo, Finland

SUNY at Buffalo/University of Oulu, Finland.
Directors: E. Zubrow/ M. Nunez

6/1996 Surveyor/cartographer/excavator, Polvijarvi, Finland (Karelia)

University of Helsinki, Department of Archaeology
Director: Ari Siiriainen

5/1996 Surveyor/cartographer/ trench leader, Yli-Ii, Finland

University of Oulu, Finland. Director: M. Nunez

INTERNATIONAL INVITED LECTURES

02/2014 University of Michigan, Department of Anthropology "The Shape of Inner Asian Civilization in the Bronze Age"

01/2014 Archaeological Institute of America (St. Louis) "A New Face of Ancient Civilization: Bronze Age Nomads and their Influence across Inner Asia"

03/2013 Goethe Universität, Frankfurt (Germany). "Local and Global Innovations of Bronze Age Inner Asian Civilization" (Keynote lecture)

02/2013 Institute for the Study of the Ancient World, NYU. "Big Prehistory and the Mashup of Inner Asian Civilization"

11/2012 Oxford University, Department of Archaeology. "Civilizations recast: an epigenetic understanding of Culture, Participation and Non-uniform Institutional complexity"

11/2012 New York University, Department of Anthropology "Bronze Age Interaction, "Participation," and the Shape of Inner Asian Civilization"

08/2012 National Center of Science and Technology Evaluation & Ministry of Education and Science, Almaty Kazakhstan. "Preparing Scientific Grants: Purpose, Content & Impact"

03/2012 New York University, Institute for the Study of the Ancient World "Formative and Transformative Ecumenes: Nomadic Worlds of Kazakhstan in the Bronze and Iron Ages"

11/2011 Fudan University (China) Institute of Historical Geography & Department of Anthropology. "Bronze Age Eurasian Nomads and the 'Pulse' of Asia"

11/2011 University of Pennsylvania Museum of Archaeology and Anthropology –
Kolb Fellows Invited Senior Lecture
"Institutional formation and Bronze Age social 'participation' among Inner Asian pastoralists"

3/2011 University of Pennsylvania – Penn Museum, Distinguished lecture for Secrets of the Silk Road exhibition. "Seeds for the Soul: East/West Diffusion of Domesticated Grains along the Inner Asian Mountain Corridor"
Online link to lecture:
http://www.youtube.com/watch?v=r7qq9__GWN0&feature=BFp&list=PL286E934A56954D08&index=4

2/2010 Harvard University – Department of Anthropology, Archaeology Colloquium
"Three Regional Vectors Toward Pastoralism Across Eurasia"

2/2010 Washington University in St. Louis – MAGEEP/I-CARES lecture series
"Coastline loss and the socio-environmental impact of displaced communities: Correlating environmental catalysts for shoreline change with human response"

12/2009 National Museum of History, Bishkek (Kyrgyzstan)
"The History of the American/Kyrgyz Community Heritage Project" (*in Russian*)

11/2009 University of Wisconsin, Madison – Department of Anthropology
"Pastoralists from the Mountains; The New Paradigm of Nomadic Societies of Eurasia"

11/2009 University of Pennsylvania Museum of Archaeology and Anthropology – Kolb Fellows Senior Lecture
"Coming down the mountain: The 4th millennium BC paths of Inner Asian Pastoralism"

10/2009 Indiana University, Sinor Lecture Series – Central Eurasian Studies Dept.
"The Process of Pastoralism in Eurasia: A mountain view to the steppes"

3/2009 American Embassy in Almaty, Kazakhstan
"Prehistoric Nomadism in the territory of Kazakhstan"

9/2008 Cotsen Institute of Archaeology, UCLA
"The Emergence and Nature of Inner Asian Pastoralism"

9/2008 Archaeological Institute of America (AIA), Baltimore
"Pastoralist Landscape Formation and Early Herding Societies along the Inner Asian Mountain Corridor"

3/2008 University of Buffalo, Department of Anthropology/National Center for Geographic Information Analysis (NCGIA), IGERT Lecturer
"Simulated Vegetation Indexes and their implications for High-Resolution Paleo-landcover reconstruction in the Eurasian Steppe Zone"

2/2008 Eastern Illinois University, Department of Anthropology
"The emergence of Mountain Pastoralism in Inner Eurasia"

12/2007 University of Bologna, Ravenna (Italy), Department of Archaeology
"Living on the edge: Pastoralist Occupation of Semirech'ye, Kazakhstan"

12/2007 Milan BICOCCA University (Italy), Complex Systems and Artificial Intelligence Research Center
"Simulating dynamic systems of settlement: A GIS application for modeling nomadic landscapes through time."

1/2007 Washington University in St. Louis, 2007 Metropolitan St. Louis Grants Conference
Lunchtime Keynote Presentation: "Decoding Eurasian Nomadic Networks: Integrating Social and Scientific Approaches"

4/2006 University of Pittsburgh, Department of Anthropology
"A Controversial History of Steppe Nomadism: New archaeology from a pastoralist landscape"

3/2005 Colorado State University, Fort Collins, Department of Anthropology
"Variation and Structure in Bronze Age Mountain Pastoralism: Modeling Dynamic Contexts of Regional Interaction in Eastern Eurasia"

2/2005 Washington University, St. Louis, Department of Anthropology
"Mountain Pastoralism in Eastern Eurasia and the Structured Variability of Bronze Age Regional Interaction"

2/2005 Halle University (Germany), Collaborative Nomadic Research Center
"Bronze Age Mountain Pastoralism of Inner Asia and the Seeds of Globalization: Variability in Networks of Interaction"

10/2004 National Institute of Archaeology (Kiev, Ukraine)
"The Use of GIS for Modeling Nomadic Migration and Cultural Landscapes of the Steppe Zone in the Bronze Age" *in Russian*

10/2004 Harvard University, Department of Anthropology
"Regional Landscapes of Interaction among Bronze Age Pastoralists of the Eurasian Steppe and Central Asia"

9/2004 Deutsches Archäologisches Institut (Berlin, Germany)
"Modeling Pastoral Nomadism and Methods for Assessing Seasonality and Mobility Patterns at the Bronze Age Site of *Begash* in the Dzhungar Mountains of Eastern Kazakhstan"

5/2004 Stanford University, Center for East Asian Studies & Silk Road Foundation
"Changing Prehistoric Nomads: Cultural Landscapes and Social Networks of Bronze Age Eurasian Pastoralists"

4/2003 University of California, San Diego (Department of Anthropology)
"Expanding Civilizations: The Shaping of Nomadic Landscapes and Regional Interaction on the Steppes of Central Asia"

10/2002 Harvard University (Department of Anthropology)
"New Perspectives on the Bronze Age of East Eurasia: New Data from Excavations in the Dzhungar Mountains of Eastern Kazakhstan"

10/2002 Bowdoin College (Maine)
"The Archaeology of "Big Landscapes" *or* "The Search for Chingis Khan and Osama Bin Laden"

4/2001 State Hermitage Museum, Central Asian Archaeology Dept. (St. Petersburg, Russia)
"The Archaeological Landscape Study of Jerba, Tunisia" *in Russian*

INTERNATIONAL CONFERENCES AND SYMPOSIA

08/2013 Shanghai Archaeological Forum, Shanghai China. Discussant.

04/2013 Society for American Archaeology (SAA) annual meeting: Honolulu.
"Local and Global Warp Factors: Scalar expansion of Commodity, Technology, & Participation, ca 2500 BC"

Session Co-Organizer: "Ancient Globalization and the People Without History"

01/2013 Art and Archaeology of Central Asia: Works in Progress – Hofstra University. "Agriculture and Mining among Highland Mobile Pastoralists of Semirech'e (3000 – 1500 BCE)"

11/2012 Archaeology of the S. Taklamakan: Hedin and Stein's Legacy and New Explorations, SOAS/British Museum, London, UK.
"Ancient Pastoralism High and Low: Mountain nomads and their link with desert economies of Inner Asia"

10/2012 Goethe Institut, Washington DC. Invited panelist for "Archaeologies of Identity And Bonds With The Past"

10/2012 The Third Eurasian Archaeology Conference, Cornell University. "The Highlander's Realm: There can be only one!"

12/2011 Invited 2nd International Conference "Great Migrations: Asia to America" Harriman Inst.—Columbia University/UNESCO/Embassy of Kazakhstan
"Mobility, 'Migration', and Environmental Pressure in Eurasian Context"

11/2011 Invited International Symposium "Emergence of Bronze Age Societies – A Global Perspective" Baoji, China.
"Bronze Age Interaction and Institutional "Participation" across Eurasia"

03/2011 Society for American Archaeology (SAA) annual meeting: Sacramento. Paper title: "Expanding worlds and local Bronze Age communities along the Inner Asian Mt. Corridor"

03/2011 Distinguished speaker – International Symposium *Reconfiguring the Silk Road: New Research on East-West Exchange in Antiquity,* University of Pennsylvania Museum of Archaeology and Anthropology. Paper Title: "Seeds for the Soul: East/West Diffusion of Domesticated Grains along the Inner Asian Mountain Corridor."

11/2010 The Fine International Conference on Gigapixel Imaging for Science, Carnegie Mellon University, Pittsburgh. Poster Title: "Gigastan-X: Extreme high resolution panoramas in Central Asia."

10/2010 MAGEEP International Symposium for Global Energy Future, Washington University in St. Louis. Poster Title: "Coastline loss and the socio-environmental impact of displaced communities: Correlating environmental catalysts for shoreline change with human response in Nias, Indonesia." w/ Dr. Patrick Daly (Asia Research Institute, Singapore).

8/2010 Invited Conference, Ordos, Inner Mongolia: *The Ordos Bronzes and the Early East-West Cultural Exchanges through Eurasian Steppe*: Paper titles: "Domesticates as exotica through the Inner Asian Mountain Corridor: Bronze Age domesticated grains from Begash, Kazakhstan" & "Plants and Pastoralists: a Case Study from the Bronze Age Site of Begash, Kazakhstan" (w/ Robert Spengler).

12/2009 American Anthropological Association (AAA) annual meeting: Washington DC. Paper title: "Kyrgyzstan: The 'Home of Santa Claus' (Heritage and National Identity in contemporary Kyrgyzstan)"

4/2009 Society for American Archaeology (SAA) annual meeting: Atlanta. Paper title: " Early Bronze Age Pastoralism and the Inner Asian Mountain Corridor"

2008 Society for American Archaeology (SAA) annual meeting: Vancouver, Canada. Session organizer: "Nomads Anew: New studies and paradigm shifts in world pastoralism". Paper Title: "Nomads and the long duree - durability and variation in nomadic landscapes."

2007 Computer Applications in Archaeology (CAA) Annual meeting, Berlin Germany. Paper title: "Vegetation Indexes and Paleo-landcover reconstruction of the Eurasian Steppe Zone c. 4000 BP."

2006 University of Barcelona International Symposium: *Silk Roads in the Digital Era*. Paper Title: "Digital Exploration and Archaeological Documentation in Eastern Kazakhstan."

2006 University of Pittsburg Invited Symposium: *New Research Directions in Eurasian Steppe Archeology: The Emergence of Complex Societies in the Third To First Millennia BCE.* Paper Title: "Differentiated Political Landscapes and Non-uniform Complexity in Bronze Age Steppe Archaeology."

2005 The Second University of Chicago Eurasian Archaeology Conference. Paper Title: "Method and Theory in the Variation of Bronze Age Eurasian Landscapes: From the Whole to its Parts and Back Again."

2005 Society for American Archaeology (SAA) annual meeting, Salt Lake City. Paper Title: "Bronze Age Networks of Interaction and Questions of Exogeny."

2004 Society for American Archaeology (SAA) annual meeting, Montreal, Canada. Paper Title: "Shared Traditions, Shared Objects: Trade and Social Relations in Pastoral and Maritime Eurasia" (w/ A.Bauer) and "Less-Centralized States and Their Autonomous Segments: Territory, Mobility, Migration and Control in Two Archaic States" (w/ P. Goldstein).

2003 Society for American Archaeology (SAA) annual meeting, Milwaukee, USA. Paper Title: "A Practical Reconstruction of Bronze Age Nomadism in the Upland Steppes of Dzhungaria."

2003 UC Berkeley Symposium *Rocks and Hard Places: Society and the Environment in Central Asia.* Paper Title: "Prehistoric Landscapes of Communication: Reconstructing Social and Economic Orbits of Mountain Pastoralists in the Dzhungar Mountains."

2002 The University of Chicago Eurasian Archaeology Conference: *Beyond the Steppe and the Sown: Integrating Local and Global Visions.* Paper Title: "The Dzhungar Mountains Archaeology Project." *in absentia*

2001 A. Kh. Margulan Conference of History and Archaeology, Almaty Kazakhstan Paper Title: "Archaeological Survey and Landscape Studies on the Island of Jerba, Tunisia From Antiquity to the Present Day." *in Russian*

2000 Symposium for Late Prehistoric Exploitation of the Eurasian Steppe, Cambridge University. Paper Title: "Bronze Age Exploitation and Political Dynamics of the Eastern Steppe Zone."

1999 European Association of Archaeologists (EAA) annual congress, Bournemouth, England. Session Organizer and Chair "Rock-Art and Views of the World"; and "Interpretive Archaeology and Rock-Art."

1999 Society for American Archaeology (SAA) annual meeting, Chicago, USA. Paper title: "Two Times for Valcamonica: Temporal Representations in Chalcolithic Alpine Stele."

1998 The XX Nordic Congress of Archaeology, Umea, Sweden. Paper title: "The Finnish/Russian Border Archaeology Project- 1998." *in absentia*

1996 International Union of Proto-historic and Prehistoric Sciences, Forli, Italy. Paper title: "GIS in Coastal Finland; Where Altitude is a Function of Time." *in absentia*

1996 CAA (Computer Applications in Archaeology) International Conference, Iasi, Romania. Paper title: "The GIS of Early Åland: Spatial Analysis Applying the Arc/Info Method in an Archipelago in South Western Finland."

COURSES TAUGHT (at Washington University in St. Louis, unless indicated)

- Anthropology 190, Introduction to Archaeology
- Anthropology 312, Ancient Civilizations of the Old World
- Anthropology 374/574, Social Landscapes in World View
- Anthropology 305, Nomadic Strategies and Extreme Ecologies
- Anthropology 480, Advanced Modeling and Simulation in Anthropological GIS and Spatial Analysis
- Anthropology 580, Theory and Method in Landscape Archaeology
- Anthropology 321, Nomads, and the Instability of the Modern World (University of Pennsylvania, 2002)

GRADUATE STUDENT ADVISEES

1. Robert Spengler (2006-2013) – PhD, 2013 & Mellon/Volkswagen Post-doctoral Fellow 2014-15)
2. Paula Doumani (2007-2014) – PhD, 2014 & Adjunct Faculty Saint Louis University
3. Lynne Rouse (2007-Present) – Advanced to Candidacy
4. Jacob Winter (2011-Present)
5. Yuqi Li (2011-Present)
6. Elissa Bullion (2012 – Present)

UNDERGRADUATE HONORS/RESEARCH SUPERVISION

1. Victor Roy (2010) "On Nomadic Pastoralism: An Analysis of the Forces behind Institutional Change" (with Dept. of Economics)
2. Caroline Boeke (2008) "Infant breast-feeding in areas of high HIV prevalence"
3. Taylor Hermes (2007) Senior Research Capstone project: "Bronze Age Steppe Dynamics and Stable Strontium Isotopes."
4. Blair Roberts (2007) "The Sea Wall of Remmatonisi"

5. Chelsea Nolan (2007) "Virtual Pluralities: Cultural Pluralism in a Massively Multiplayer Online Role-Playing Game"

INTRAMURAL SERVICE (WASHINGTON UNIVERSITY IN ST. LOUIS)

- Committee for Affirmative Action Monitoring
- Program Advisor, Eurasian Studies Concentration, International & Area Studies
- Graduate Studies Committee, Department of Anthropology, (2009-present)
- Bennett Award Review Committee, Department of Anthropology (2010)
- Website Committee, Department of Anthropology (2009-2010)
- Invited Panelist: Assistant Professors Forum, "Assistant Professor Years: What to Expect When" (December 2009)
- Invited Keynote Presentation: Washington University in St. Louis, 2007 Metropolitan St. Louis Grants Conference, *"Decoding Eurasian Nomadic Networks: Integrating Social and Scientific Approaches"* (January 2007)
- University GIS Committee (2005-Present)

PROFESSIONAL SERVICE AND ACADEMIC ROLES (CURRENT)

- **International Advisory Committee**, Shanghai Archaeological Forum
- **Board of Directors**, Louis J. Kolb Foundation (University of Pennsylvania Musuem)
- **Associate Editor**, *Journal of World Prehistory*
- **Chair,** Local Advisory Committee for 75th Anniversary Meeting (2010) of SAA, St. Louis
- **Peer-Reviewer** for *PNAS*, *Current Anthropology*, *American Anthropologist, Antiquity, Asian Perspectives, Journal of Social Archaeology, Journal of Field Archaeology, Journal of Archaeological Research, Journal of Archaeological Science, etc.*
- **Grant-Reviewer** for *National Geographic Research Grants* and the *National Science Foundation*
- **Scientific Advisory Member** for National Center of Science and Technology Evaluation, Ministry of Education and Science, Republic of Kazakhstan

SELECTED MEDIA COVERAGE

- 04/07/2014 *New York Times*, Science Section "Before the Silk Road, the Grain Road" by Sindya N. Bhanoo
- May 2012 *Archaeology Magazine* "Rethinking the Thundering Hordes" by Andrew Lawler
- 08/08/2007 *New York Times*, International Section "Ancient Nomads Offer Insights to Modern Crises" by Ilan Greenberg