February 9, 2019

Christopher Peter Thornton, Ph.D.

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Employment

National Endowment for the Humanities (Director, Research Programs) Aug 2018 –
- Oversee the strategic deployment of a $15M grants budget to support research and publication in the humanities and social sciences
- Manage a department of 17 program officers and administrative staff

National Geographic Society (Acting VP, Grants Program) March 2017 – Aug 2018
- Oversee the strategic deployment of a $15M grants budget to support science, education, conservation, and journalism world-wide
- Manage a department of 15 program officers and grant directors

National Geographic Society (Senior Director, Cultural Heritage) Aug 2015 – Aug 2018
- Advise Society on issues related to archaeology, anthropology, and cultural heritage
- Develop strategies for maximizing impact related to cultural heritage projects

National Geographic Society (Lead Program Officer) May 2013 – Aug 2015
- Oversee research grants in anthropology, archaeology, astronomy, geography, geology, and paleontology
- Manage conference budget and schedule for department
- Liaise with media groups on behalf of entire department

National Geographic Society (Program Officer) Oct. 2010 – May 2013
- Oversee research grants in anthropology, archaeology, astronomy, geography, geology, and paleontology

University of Pennsylvania Museum (Consulting Scholar) May 2010 – present
- Active research in Near Eastern and Asian sections

Meridian International (Assistant Curator) June 2010 – April 2011
- Researched US-Afghan relations for an international exhibit

George Mason University (Lecturer) Aug 2010 – Jan. 2011
- Dept. of Anthropology and Sociology

Professional Experience

U.S. National Commission to UNESCO (Representative)March 2016 - present

Society of American Archaeology
- Task Force on Gender Disparities in Archaeological Grant Submissions (2014)
- Task Force on Valuing Archaeology (2018)

NG Expeditions travel company (Expert, Host) Feb 2015 - present

NASA and NGS "FameLab" (Judge) Dec 2012 – present
- Mentored contestants in public speaking and science communication
- Judged preliminary and final rounds of FameLab competition

Art for Cultural Diplomacy (Judge) April 2014 & 2015
- Deliberated on applications submitted to "Community Engagement through the Arts: Mural Arts" program (Dept. of State and Meridian International)

Education

University of Pennsylvania September 2002 – May 2009
- Doctorate of Philosophy (Ph.D.) in Anthropology

- Dissertation: *The Chalcolithic and Early Bronze Age Metallurgy of Tepe Hissar, Northeast Iran: A Challenge to the 'Levantine Paradigm'*.
- Advisor: Prof. Gregory L. Possehl
- Readers:, Prof. Peggy R. Sanday; Prof. (*emer*.) Robert H. Dyson Jr.; and Hon. Prof. Vincent C. Pigott

University of Cambridge September 2001 - August 2002

- Masters of Philosophy (M.Phil.) in "Later European Prehistory"
- Thesis: *'The Domestication of Metal': A reassessment of the early use of copper minerals and metal in Anatolia and Southeastern Europe*.
- Advisors: Dr. Marie Louise Stig Sørensen and Prof. Colin Renfrew

Harvard University September 1997 - June 2001

- Bachelor of Arts and Sciences (A.B.) in "Archaeometry and Archaeology"
- Graduated *magna cum laude* with Highest Honors
- Thesis: *Tepe Yahya Revisited: A reassessment of the metallurgical sequence of the Iranian Plateau from the Chalcolithic to the Iron Age through Chemical and Metallographic Analyses of a 'trinket' technology*.
- Advisors: Prof. C.C. Lamberg-Karlovsky and Prof. Nikolaas J. van der Merwe
- Readers: Prof. Phillip L. Kohl (Wellesley College) and Prof. Heather Lechtman (Massachusetts Institute of Technology)

Academic Honors

Scientific Board; *Paleorient* (2013-)
Editorial Board; *Intern'l Journal of the Society of Iranian Archaeology* (2013-)
White-Levy Grant for Archaeological Publications, *Co-P.I.* (2006-2008)
Marie-Curie Action for Early Stage Training Fellowship (2006)
NSF Graduate Research Fellow (2002-2005)
Louis J. Kolb Junior Research Fellow (2002 - 2009)
Thomas T. Hoopes prize for undergraduate honors thesis (2001)
Woods Hole Summer Student Fellowship (2000)
John Harvard Scholar (1999)

Books

(2016) C.P. Thornton, C.M. Cable, & G.L. Possehl, eds. *The Bronze Age Towers at Bat, Sultanate of Oman. Research by the Bat Archaeological Project, 2007-12*. Philadelphia: University of Pennsylvania Museum Monograph 143.

(2014) B. Roberts & C.P. Thornton, eds. *Archaeometallurgy in Global Perspective: Methods and Syntheses*. New York: Springer.

(in progress) T. Matney, H. Fazeli, H. Pittman, & C.P. Thornton, (eds.) *Cheshmeh Ali: A Neolithic and Chalcolithic Site in North-Central Iran*. Philadelphia: University of Pennsylvania Museum Publications.

Publications (* = peer-reviewed)

(in progress) S. Groom, C.P. Thornton, et al. "The sherds of Yanik Tepe: a multi-technique analysis of a major ware transition in the prehistory of Northwestern Iran." To be submitted to *Iran*.

(in progress) K. Olson & C.P. Thornton. "Tureng Tepe, a Bronze Age Center in Northeastern Iran Revisited (The Wulsin Excavations, 1931)." To be submitted to *Iran*.

(in progress) J. Swerida & C.P. Thornton. "al-Khafaji Reinterpreted: New Insights on Umm an-Nar Monuments and Settlement from Bat, Oman." To be submitted to *Arabian Archaeology & Epigraphy*.

(forthcoming) C.M. Cable & C.P. Thornton. "Bat. A leading centre of early civilization in Oman." Submitted to *In the Shadow of the Ancestors* (D. Frenez, ed.). Ministry of Heritage and Culture, Sultanate of Oman

(in press) J. Swerida & C.P. Thornton. "Umm an-Nar architecture & society at the Bat Settlement Slope, Sultanate of Oman." *Journal of Oman Studies*.

(2018)* A.E. Mortimer & C.P. Thornton. "Bronze Age towers and the control of water: New evidence from Bat, Oman." *Journal of Oman Studies* 19: 65-84.

(2018)* Ruth Young, Asma al-Jassassi, Samia al-Shaqsi, Suleiman al-Jabri, Owen Batchelor, Katherine Dance, Neil De Leon, Angela Humes, Hannah Hunt, Adil Riaz, Shadia Taha, Charlotte Cable, Christopher Thornton, and Steve P. Zauner. "Bat Oasis Historical Archaeology Project: Interim Report on 2014 Field Season." *Journal of Oman Studies* 19: 1-18.

(2018) C.P. Thornton, C.M. Cable, D. Bosch, & L. Bosch. "Five Thousand Years of Shell Exploitation at Bandar Jissah, Sultanate of Oman." In (D. Frenez, G.M. Jamison, R.W. Law, M. Vidale, & R.H. Meadow, eds.) *Walking with the Unicorn: Social Organization and Material Culture in Ancient South Asia*. Oxford: Archaeopress, pp.547-567

(2018)* L. Goldstein, B. Mills, S. Herr, J. Burkholder, L. Aiello, & C. Thornton. "Why do fewer women than men apply for grants after their PhDs?." *American Antiquity* **83**: 1-20.

(2017) P.E. Minnis, J. Sabloff, S.M. Chandler, D. Gangloff, J.W. Joseph, B. Little, P.A. McAnany, D. Peter, L. Sebastian, C.P. Thornton, J. Watkins, and J.E. Yellen. "Valuing archaeology beyond archaeology: An Amerind Foundation Seminar." *SAA Record* **17(5)**: 28-32.

(2016)* S. Desruelles, E. Fouache, W. Eddargach, C. Cammas, J. Wattez, T. Beuzen-Waller, C. Martin, M. Tengberg, C.M. Cable, C.P. Thornton & A. Murray. "Evidence for early irrigation at Bat (Wadi Sharsah, northwestern Oman) before the advent of farming villages." *Quaternary Science Reviews* **150**: 42-54.

(2015) C.P. Thornton & C. Schmidt. "The UNESCO World Heritage Site of Bat and Al-Ayn: Past, Present, and Future." In (H. M. A. al-Lawati, ed.) *Proceedings of the Symposium 'The Archaeological Heritage of Oman' (UNESCO, Paris - September 7th, 2012)*. Muscat: Ministry of Heritage and Culture, Sultanate of Oman, pp. 155-163.

(2014) C.P. Thornton. "A return to the South Hill of Tepe Hissar, Iran" In (B. Cerasetti, C.C. Lamberg-Karlovsky & B. Genito, eds.) *My Life is Like The Summer Rose:*

Maurizio Tosi e L'Archeologia Come Modo di Vita. Oxford: BAR International Series 2690, pp.711-718.

(2014) C.P. Thornton. "The emergence of complex metallurgy on the Iranian Plateau." In (B. Roberts & C.P. Thornton, eds.) *Archaeometallurgy in Global Perspective: Methods and Syntheses*. New York: Springer, pp.665-696.

(2013) C.P. Thornton. "Tappeh Sang-e Chakhmaq: A New Look." In (Roger Matthews & Hassan Fazeli, eds.) *The Neolithisation of Iran*. Oxford: Oxbow Books, pp. 241-255.

(2013) H. Vandati Nasab, C.P. Thornton, S. M. Mousavi Kouhpar, N. Sykes, & R. Naderi. "The Late Neolithic Site of Rashak III Rock Shelter, Mazandaran, Iran. In (Roger Matthews & Hassan Fazeli, eds.) *The Neolithisation of Iran*. Oxford: Oxbow Books, pp. 272-283.

(2013) C.P. Thornton, A. Gürsan-Salzmann, & R.H. Dyson Jr. "Tepe Hissar and the fourth millennium of Northeastern Iran." In (C. Petrie, ed.) *Ancient Iran and its Neighbours*. London: Oxbow Books, pp. 131-144.

(2013) C.P. Thornton. "Mesopotamia, Meluhha, and those in between." In (H. Crawford, ed.) *The Sumerian World*. New York: Routledge, pp. 600-619.

(2013) C.P. Thornton. "Northeastern Iran." In (D.T. Potts, ed.) *Oxford Handbook of Iranian Archaeology*. Oxford: Oxford University Press, pp. 179-202.

(2013) C.P. Thornton. "Review of Vatandoust et al. 2011." *Paleorient* **38**(1-2): 249-260.

(2013)* C.M. Cable & C.P. Thornton. "Monumentality and the third millennium 'Towers' of the Omani Peninsula." In (S. Abraham, P. Gullapalli, T. Raczek & U. Rizvi, eds.) *Connections and Complexity: New Approaches to the Archaeology of South Asia.* Walnut Creek, CA: Left Coast Press, pp. 375-400.

(2013) C.P. Thornton, C.M. Cable, & G.L. Possehl. "Three seasons at Kasr al-Khafaji (Tower 1146) at Bat, Oman." In (D. Frenez & M. Tosi, eds.) *Proceedings of the 19th Conference of the European Association of South Asian Archaeology 2007*. Volume 1. BAR International Series. Oxford: Archaeopress, pp. 255-268.

(2012) M.W. Gregg & C.P. Thornton. "A Preliminary Analysis of the Prehistoric Pottery from Coon's excavations of Hotu and Belt Caves in northern Iran: Implications for future research into the emergence of village life in western Central Asia." *International Journal of Humanities* **19**(3): 56-94.

(2012) C.P. Thornton & C. Giardino. "Serge Cleuziou and the 'Tin Problem'." In (J. Giraud & G. Gernez, eds.) *Aux Marges de l'archéologie: Hommage à Serge Cleuziou*. Travaux de la Maison René-Ginouvès 16, Paris: De Boccard, pp. 253-260.

(2012)* C.P. Thornton. "Archaeometallurgy in the 21st Century." *Reviews in Anthropology* 41(2): 173-187.

(2012) C.P. Thornton. "Iran." In (D.T. Potts, ed.) *A Companion to the Archaeology of the Ancient Near East*. Chichester: Wiley-Blackwell, pp. 596-606.

(2011)* C.P. Thornton & V.C. Pigott. "The blade-type weaponry of Hasanlu Period IVB" In (Maude de Schauensee, eds.) *Peoples and Crafts of Period IVB at Hasanlu, Iran*. Hasanlu Special Studies IV. Philadelphia: University of Pennsylvania Museum Monograph 132, pp. 135-182.

(2010)* C.P. Thornton, J. Golden, D. Killick, V.C. Pigott, Th. Rehren, & B. Roberts. "A Chalcolithic error: A rebuttal to Amzallag 2009." *American Journal of Archaeology* **114**: 305-315.

(2010) C.P. Thornton. "Sang-e Chakhmaq." In (E. Yahshater, ed.) *Encyclopedia Iranica*. New York: published online October 2010.

(2010) C.P. Thornton. "Shir-e Shian." In (E. Yahshater, ed.) *Encyclopedia Iranica*. New York: published online May 2010.

(2010) C.P. Thornton. "The rise of arsenical copper in Southeastern Iran." *Iranica Antiqua* **45**: 31-50.

(2009)* B.W. Roberts, C.P. Thornton, & V.C. Pigott. "The development of metallurgy in Eurasia." *Antiquity* **83**(322): 1012-1022.

(2009)* C.P. Thornton. "The emergence of complex metallurgy on the Iranian Plateau: Escaping the Levantine Paradigm." *Journal of World Prehistory* **22**(3): 301-327.

(2009) C.P. Thornton & B.W. Roberts. "Introduction: The beginnings of metallurgy in global perspective." *Journal of World Prehistory* **22**(3): 181-184.

(2009)* C.P. Thornton & Th. Rehren. "A truly refractory crucible from fourth millennium Tepe Hissar, Northeast Iran." *Journal of Archaeological Science* **36**(12): 2700-2712.

(2009)* R.H. Dyson Jr. & C.P. Thornton. "Shir-i Shian and the fifth millennium of Northern Iran." *Iran* **47**: 1-22.

(2009) C.P. Thornton. "Archaeometallurgy: Evidence of a paradigm shift?" *Metals and Societies. Studies in honour of Barbara S. Ottaway*. (T.K. Kienlin & B.W. Roberts, eds.) Universitätsforschungen zur prähistorischen Archäologie. Bonn: Habelt, pp. 25-33.

(2009)* C.P. Thornton, Th. Rehren, & V.C. Pigott. "The production of speiss (iron arsenide) during the Early Bronze Age in Iran." *Journal of Archaeological Science* **36**(2): 308-316.

(2008)* C.P. Thornton & C. Giardino. "Alla ricerca di un paradigma archeometallurgico." *Rivista di Scienze Preistoriche* **58**: 385-404.

(2007)* C.P. Thornton. "Of brass and bronze in prehistoric Southwest Asia." In (S. La Niece, D. Hook, & P. Craddock, eds.) *Metals and Mines: Studies in Archaeometallurgy*. London: Archetype Publications, pp. 123-135.

(2007) C.P. Thornton & Th. Rehren. "Report on the first Iranian prehistoric slag workshop." *Iran* **XLV**, pp. 315-318.

(2005) C.P. Thornton, C.C. Lamberg-Karlovsky, Martin Liezers, and Suzanne M.M. Young. "Stech and Pigott revisited: New evidence for the origin of tin bronze in light of chemical and metallographic analyses of the metal artifacts from Tepe Yahya, Iran." In (H. Kars & E. Burke, eds.) *Proceedings of the 33rd International Symposium on Archaeometry, 22-26 April 2002, Amsterdam*. Geoarchaeological and Bioarchaeological Studies 3. Amsterdam: Vrije Universiteit, pp. 395-398.

(2004)* C.P. Thornton & C.C. Lamberg-Karlovsky. "A new look at the prehistoric metallurgy of Southeastern Iran." *Iran* **XLII**: 47-59.

(2004)* C.P. Thornton & C.C. Lamberg-Karlovsky. "Tappeh Yahya und die prähistorische Metallurgie in Südostiran." In (Th. Stöllner, R. Slotta, & A. Vatandoust, eds.) *Persiens Antike Pracht*. Bochum: Deutsches Bergbaumuseum, pp. 264-273.

(2004) C.P. Thornton & T.G. Schurr. "Prehistoric 'Europeans' in Xinjiang?: A case for multiple interpretations." In (H. Bolin, ed.) *The Interplay of Past and Present*. Stockholm: Södertörn Archaeological Studies 1, pp. 85-98.

(2004)* C.P. Thornton & T.G. Schurr. "Genes, language, and culture: an example from the Tarim Basin." *Oxford Journal of Archaeology* **23.1**: 83-106.

(2003)* C.P. Thornton & Christine Ehlers. "Early brass in the ancient Near East." *IAMS* **23**: 3-8.

(2002)* Christopher P. Thornton, C.C. Lamberg-Karlovsky, Martin Liezers, & Suzanne M.M. Young. "On pins and needles: Tracing the evolution of copper-base alloying at Tepe Yahya, Iran, via ICP-MS analysis of common-place items". *Journal of Archaeological Science*. **29.12**: 1451-1460.

(2000) Ohkouchi, N., Eglinton, T.I., Sylva, S.P., Thornton, C., Domack, E., & Hayes, J.M. "New approaches to radiocarbon dates in Antarctic coastal sediments". *EOS Transcripts. AGU*, 81, (48). Fall meeting supplement, Abstract U22B-02.

Student Theses/Dissertations

Charlotte M. Cable (Ph.D.; Michigan State University; 2012). *A Multitude of Monuments: Finding and Defending Access to Resources in Third Millennium BC Oman*.

Kyle G. Olsen (B.A.; Ohio State University; 2012). *The Figurines of Tureng Tepe: Ceramic Bodies and Social Life at a Bronze Age site in northeastern Iran*.

Narges Bayani (M.A.; University of Pennsylvania; 2013). *A New Look at Treasure Hill, Tepe Hissar, in Northeast Iran and the Question of the Spread of the BMAC*.

Darius Salimi (M.A.; George Mason University; 2013). *The Idea of Iran: Nationalism Created or Unearthed.*

Jennifer Swerida (Ph.D.; Johns Hopkins University; 2017). *Housing the Umm An-Nar: The Settlements and Houses of Bat*.

Smiti Nathan (Ph.D.; New York University; 2017). *Ingenuity in the Oasis: Archaeobotanical, Geospatial, and Ethnoarchaeological Investigations of Bronze Age Agrarian Community Choices in the Northern Oman Interior*.

Selected Conference Presentations

March 30, 2017. "Funding "The Human Journey" at NGS." Presented at the *Society of American Archaeology* conference in Vancouver, Canada, in the Future of Funding for Archaeology symposium.

July 26, 2014. "Evidence of Small-Scale Copper Metallurgy at Bat, Oman." Presented at the *Seminar for Arabian Studies* conference in London, UK.

April 5, 2013. "The Bronze Age of Northeastern Iran." Presented at the *Society for American Archaeology* conference in Honolulu, Hawaii.

November 5, 2012. "The Fifth Millennium of Northeastern Iran." Invited to present at the *Archaeology of Neolithic and Early Chalcolithic/Aeneolithic Central Iran and Turan* symposium in Berlin, Germany.

December 2, 2011. "Archaeologies of Identity: A Comparison of Erich F. Schmidt and Carleton S. Coon" Invited to present at the *Tehran 50: Half a Century of German Archaeology in Iran* symposium in Berlin, Germany.

March 31, 2011. "Mesopotamia and Meluhha: A View from Magan" Presented at the *Society for American Archaeology* conference in Sacramento, California.

November 10, 2010. "Between Plateau and Steppe: Northeastern Iran and Southern Turkmenistan from Neolithic to Early Bronze Age." Presented at the *Archaeological and Ethnological Sciences of Turkmenistan in the Epoch of New Revival and the Great Transformation: Progress Milestones and New Perspectives* conference in Ashgabat, Turkmenistan.

September 20, 2010. "Origins of Eurasian Metallurgy" Presented at the *1st International Workshop on Eurasian Archaeology (IWEA)* in Xi'an, China.

June 16, 2009. "Monumentality and the MAIS." Presented at *the 3rd Middle Asian Intercultural Space (MAIS)* conference in Ramsar, Iran.

April 23, 2009. "Monumentality and the Third Millennium 'Towers' of the Omani Peninsula." (with Charlotte M. Cable). Co-presented at the *Society for American Archaeology (SAA)* conference in Atlanta, GA.

March 27, 2008. "The Emergence of Complex Metallurgy on the Iranian Plateau: Escaping the Levantine Paradigm." Paper included in the electronic symposium entitled *Modelling Early Metallurgy: Old and New World Perspectives*, organized with Dr. Ben Roberts (British Museum) at the Society for American Archaeology (SAA) conference in Vancouver, Canada.

March 27, 2008. "Technology and Interaction Spheres: A New Model for Middle Asia." Paper given at the *Society for American Archaeology (SAA)* conference in Vancouver, Canada.

July 4, 2007. "Fourth Millennium Metallurgy from the South Hill at Tepe Hissar, Northeastern Iran." Paper given in the bi-annual *European Association for South Asian Archaeology (EASAA)* conference in Ravenna, Italy.

February 17, 2007. "'Active Frontiers' and the Neolithic of Northeastern Iran." Paper given in an international conference entitled *7000 Years of Cultural Civilization of Hesar* held in Damghan, Iran.

December 2, 2005. "Between Men, Fraternity Gang Rape, and Fight Club: Sexual Violence and the Public Interest." Paper given in an Invited Session (National Association for the Practice of Anthropology) at the 104th Annual Meeting of the *American Anthropological Association* in Washington D.C.

October 22, 2004. "Where Worlds Collide: the Anau 'Frontier'." Paper given at the *Turkmenistan is the Motherland of the Anau Culture and the Ak Bugday* International Scientific Conference in Ashgabat, Turkmenistan.

September 10, 2003. "Prehistoric 'Europeans' in Xinjiang?: a case for multiple interpretations." Paper given at the *European Association of Archaeologists (EAA)* Annual Meeting in St. Petersburg, Russia.

November 20, 2002. "On Pins and Needles: A Reassessment of the Metallurgical Sequence of the Iranian Plateau through Chemical and Metallographic Analyses of a "Trinket" Technology." Paper given at the *American School of Oriental Research (ASOR)* Annual Meeting in Toronto, Canada.

April 25, 2002. "Stech and Pigott Revisited: New evidence for the origin of tin bronze in light of chemical and metallographic analyses of the metal artifacts from Tepe Yahya, Iran." Paper given at the *33rd International Symposium on Archaeometry* in Amsterdam, the Netherlands.

Selected Invited Lectures

March 8, 2018. "The Dawn of Metallurgy in the Old World: New Insights and Remaining Questions." Invited lecture given to the Archaeological Institute at Tel Aviv University, Israel.

May 3, 2017. "From the Deserts of Oman to the Wilds of National Geographic." Invited plenary lecture given to the Cultural Heritage Film Festival conference in Eugene, OR

March 11, 2016. "Archaeological and Geomorphological Evidence for the Origins of Farming and Complex Societies in North-central Oman." Invited lecture given to Department of Geography and Environment at U.T. Austin.

December 2, 2014. "Introduction to Metallurgy." Invited lecture given to a freshman seminar at CAAM at the University of Pennsylvania Museum.

October 22, 2014. "World Heritage on the Arabian Peninsula." Invited lecture given at Kennesaw State University.

March 5, 2014. "Kitchen Colonialism or Blatant Miscegenation: Interpretation of Indus Cooking Pots in the Oasis Towns of Central Oman." Invited lecture given at the Department of Anthropology at Harvard University.

October 18, 2013. "Domestic Archaeology at Bat, Oman: Past and Not-So-Past." Invited lecture given at the Kolb Symposium of the University of Pennsylvania Museum.

March 26, 2013. "National Geographic, Archaeological "Hotspots" & My work in ancient Magan." Invited lecture given at the Department of Anthropology at Washington University – St. Louis.

September 6, 2012. "The UNESCO World Heritage Site of Bat and Al Ayn: Past, Present, and Future." Invited lecture given at *The Archaeological Heritage of Oman: An Early Cradle of Arabian Civilization* meeting at UNESCO headquarters in Paris.

March 22, 2012. "The Anthropology of Afghanistan." Invited lecture given at "the Foreign Service Training Institute, U.S. State Department.

November 17, 2011. "The History of US-Afghan Relations." Invited lecture given at the Foreign Service Training Institute, U.S. State Department.

April 8, 2011. "The Origins of Metallurgy in Eurasia: Escaping the Levantine Paradigm." Invited lecture given at the Department of Anthropology, Yale University.

November 4, 2010. "An American Archaeologist in the Islamic Republic of Iran." Public lecture given at the Los Angeles County Museum of Art.

June 18, 2010. "The Three Waves of Archaeometallurgy." Invited lecturer at the Institute of Historical Metallurgy and Materials, University of Science and Technology, Beijing, China.

April 9, 2010. "The University Museum and the Archaeology of Iran." Invited lecturer at the American Institute for Iranian Studies, New York City.

April 15, 2008. "The Beginnings of Metallurgy: A new look." Guest lecturer for Prof. C. C. Lamberg-Karlovsky's class "The Record of Material Culture" at the Department of Anthropology, Harvard University.

October 19, 2007. "The Middle Asian Interaction Sphere: A model for contact and communication." Colloquium lecture given at the Department of Anthropology, University of Arizona (Tucson).

May 31, 2002. "On Pins and Needles: The metallurgical sequence of Tepe Yahya, Iran, and its relation to the tin question." Invited lecture given at the Ancient Iran and India Trust in Cambridge, UK.

Field Experience

Director, Bat Archaeological Project, Oman (2012-present)

Deputy Director, Bat Archaeological Project, Oman (2007-2011)
Prof. Gregory Possehl (University of Pennsylvania), Director.

Assistant Director, Bandar Jissah Salvage Project, Oman. (2009)
Prof. Gregory Possehl (University of Pennsylvania), Director

Supervisor/Field Instructor, Khutm Archaeological Project, Oman (2009)
Invited by Ministry of Heritage and Culture to train Omani archaeologists

Excavator, Halil Rud Archaeological Project, Iran (2005)
Prof. Holly Pittman (University of Pennsylvania), Co-Director.
Prof. Yousef Madjidzadeh (University of Tehran), Director.

Excavator, Szazhalombatta Archaeological Expedition, Hungary (2002)
Dr. Marie Louise Stig Sørensen (University of Cambridge), Co-Director.
Prof. Kristian Kristiansen (University of Gothenburg), Director.

Excavator, Sotira Kaminoudhia, Cyprus (2001)
Prof. Stuart Swiny (University of Albany), Director.

Excavator, Shashi-Limpopo Archaeological Project, South Africa (1999)
Dr. John Calabrese (University of Witswatersrand), Director.

Teaching Experience

Lecturer, "Peoples and Cultures of the Middle East" Fall 2010
George Mason University. Created new syllabus and lectures. Lectured and led discussion twice a week focusing on the social and cultural anthropology of the Middle East (Egypt to Afghanistan).

Lecturer, "Civilizations" Fall 2010
George Mason University. Created new syllabus and lectures. Lectured and led discussion twice a week focusing on introducing the major civilizations in world prehistory and history.

Lecturer, "Origins and Cultures of Cities" Fall 2009
University of Pennsylvania. Adapted this course from an older syllabus. Lectured and led discussion twice a week focusing on urbanism cross-culturally and through time (from Mesopotamia to 18th century Philadelphia).

Lecturer, "Russian Outside the Classroom" Fall 2004

University of Pennsylvania. Created and taught this course with the Slavic Department to give undergraduate students a chance to practice their Russian conversational skills. Worked with students one-on-one and in groups to prepare small informal presentations and performances in Russian.

Teaching Assistant, "World Prehistory" (Prof. Gregory Possehl) Fall 2009
University of Pennsylvania. Presented lectures on New World Prehistory and assisted with discussion groups and grading.

Teaching Assistant, "Anthropology of Sex & Gender" (Prof. Peggy Sanday) Fall 2005
University of Pennsylvania. Presented lectures on the history of feminism, gender and archaeology, masculinity theory, and an introduction to queer theory and anthropology. Worked with students on their papers and final presentations.

Teaching Assistant, "Public Interest Anthropology" (Prof. Peggy Sanday) Spring 2004
University of Pennsylvania. Worked with students on their research projects, in which they attempted to bring the methods of anthropology (e.g., 'thick' description, participant-observation) into their community-outreach programs and social action initiatives. Made short presentations with handouts weekly and headed resulting discussion sessions.

Teaching Assistant, "Problems in the Archaeology of South Asia" (Prof. Gregory Possehl) Fall 2003
University of Pennsylvania. Worked with students on their research papers, presented lectures and headed discussions.

Related Work Experience

Brownlee Fellow, Hill House, University of Pennsylvania
Served as the official academic advisor for 10 first-year undergraduates in my residential dormitory, but also as a resource for the entire house of 500 undergraduates on issues of academic advising within the College of Arts and Sciences. Asked by the Dean, based on feedback from my students, to continue helping my advisees in their second year. (fall 2003 – spring 2005)

Laboratory Assistant, Archaeometry Labs, Harvard University.
In charge of sample preparation and resulting data analysis in both the stable isotope chemistry lab and the archaeology lab. Tasks included chemical preparation of collagen and apatite, purification of gas samples using a cryodistillation line, and preparation of geologic and metallic samples for the inductively-charged plasma quadrupole mass spectrometer (ICP-MS). Analyzed data from both the stable isotope mass spectrometer and the ICP-MS for presentation and publication. (fall 1998- spring 2000)

Research Interests

Developing a methodology for ***cross-craft comparisons*** in prehistoric societies – i.e., analyzing more than one type of craft production in tandem in order to look at important social, economic, and cultural relationships between different craftspeople and between craftspeople and other members of their communities. Currently pursuing analysis of ceramics from Tepe Hissar, Iran, in order to compare their technological development with the development of metallurgical production from the site.

Exploring relations between Bronze Age societies in Oman and in Southeastern Iran as reflected in the material culture of both regions. Special attention is being paid to the site of ***Bat*** in Northwestern Oman and the site of ***Konar Sandal*** ("Jiroft") in Southeastern Iran utilizing both fieldwork and study of the ceramics and small finds. Theoretical focus on the construction of public monuments and its relation to the rise of complex societies.

Reinterpreting the archaeological sequence from the Neolithic to the Bronze Age in North-central Iran, Northeastern Iran, and Southern Turkmenistan based on ceramic parallels and stratigraphic reassessment of the sites. Special attention is being paid to the material assemblages of: ***Tepe Hissar*** in northeastern Iran (with Prof. Robert H. Dyson, Jr., and Dr. Ayse Gursan-Salzmann, both of the University of Pennsylvania); ***Cheshmeh Ali*** in north-central Iran (with Dr. Timothy Matney (University of Akron), Dr. Hassan Fazeli (University of Tehran), and Prof. Holly Pittman (University of Pennsylvania)); and ***Sang-i Chakhmaq*** in northeastern Iran.

Re-evaluating the connection between popular culture and gender/sexuality theories within the paradigm of ***Public Interest Anthropology***. This study focuses on masculinity construction in American college campuses and how it manifests itself in overt and covert violence towards women.

Previous Research

Chemical and microscopic analyses of the metallurgical collection from Chalcolithic and Bronze Age levels at Tepe Hissar, Iran, in order to determine the technological develop of this craft and its relation to other metalworking sites in Iran and in the ancient Near East in general. Work carried out at UCL Institute of Archaeology in London with Prof. Thilo Rehren and Prof. Vincent Pigott.

Lipid analysis of organic residues chemically extracted from ceramic sherds and mud samples from shipwrecks discovered by the Black Sea Trade Project under the direction of Dr. Bob Ballard and Dr. Fred Hiebert. Wet chemical work performed at the Earth and Environmental Science Department at the University of Pennsylvania under the direction of Dr. Andrea Grottoli and GC/MS analysis performed at the Chemistry Department of Haverford College under the direction of Prof. Colin Mackay.

Developed methodology for compound-specific and compound-class radiocarbon dating of organic residues extracted from ocean sediments at Woods Hole Oceanographic Institute under Dr. John Hayes (Harvard University). Isolated minute amounts of lipids, which were dated on an accelerated mass spectrometer (AMS) in order to identify possible chronological biomarkers. Results presented at the American Geophysical Union's Fall conference by Dr. Hayes in December, 2000.

Languages

Russian: intermediate-level speaking, writing, reading, and comprehension
Persian: intermediate-level speaking, writing, reading, and comprehension
German: intermediate-level speaking, writing, reading, and comprehension
French: basic-level speaking, reading, and comprehension
Arabic: basic-level speaking and comprehension