

JASON T. HERRMANN

Kowalski Family Teaching Specialist for Digital Archaeology
Center for the Analysis of Archaeological Materials
University of Pennsylvania Museum of Archaeology and Anthropology
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RESEARCH INTERESTS

Landscape archaeology, Environment and Society, Urbanism, Community Archaeology; Remote Sensing, Archaeological Geophysics, Spatial Analysis, 3D Capture and Visualization; Western Asia, Mediterranean, Eastern United States

EDUCATION

2012	Ph.D.	University of Arkansas	Environmental Dynamics Program
		Dissertation: <i>Prehistoric Human Ecodynamics in the Rub Al-Khali Desert: Results from Remote Sensing and Excavations in the Emirate of Dubai, UAE.</i>	
2004	MA	University of Arkansas	Anthropology
1999	BA	University of Cincinnati	Anthropology

PROFESSIONAL APPOINTMENTS

Since 2019 Kowalski Family Teaching Specialist for Digital Archaeology. Center for Analysis of Archaeological Materials, University of Pennsylvania Museum, Philadelphia.

Since 2019 Lecturer. Department of Anthropology, University of Pennsylvania, Philadelphia.

Since 2010 Research Associate. Center for American Archeology, Kampsville, Illinois.

2024 Bando CoRI 2023 Azione B Visting Professor, Cultura e Società, University of Palermo, Italy.

2018 – 2019 Postdoctoral Researcher. Institute of Prehistory, Early History, and Medieval Archaeology, Eberhard Karls Universität Tübingen, Germany.

2014 – 2018 Postdoctoral Researcher. Institute for Ancient Near Eastern Studies, Eberhard Karls Universität Tübingen, Germany.

2016 – 2017 Program Coordinator. Spatial Archaeometry Research Collaborations (*SPARC*), Center for Advanced Spatial Technology, University of Arkansas.

2012 – 2014 Postdoctoral Fellow. Neukom Institute for Computational Science, Department of Anthropology and Department of Geography, Dartmouth College.

2010 – 2012 Research Project Professional. Oriental Institute, University of Chicago.

TEACHING EXPERIENCE

University of Pennsylvania

Introduction to Digital Archaeology. Undergraduate and graduate. Recurring annually.

Geophysical Prospection for Archaeology. Graduate seminar. Recurring spring term, even years.

Material Past in a Digital World. Undergraduate seminar. Recurring spring term, odd years.

Surface Archaeology. With Tom Tartaron. Graduate Seminar spring 2023

University of Palermo

New Approaches in Landscape Archaeology. Seminar series for the PhD Programs in Cultural Heritage and Earth and Sea Science. 2024.

Eberhard Karls Universität Tübingen

Introduction to Archaeological Remote Sensing. Undergraduate and graduate lecture and laboratory course. 2016.

Landscape Archaeology. Undergraduate and graduate seminar with P. Sconzo and B. Glissmann. 2015.

Method and Theory in Near Eastern Archaeology. Undergraduate and graduate seminar. With V. Herrmann, P. Sconzo, I. Pulijiz, T. Köster. 2018.

Modelling 3D Data in Archaeology. Undergraduate and graduate seminar with M. Lang. 2014.

Dartmouth College

Archaeology of the Ancient Near East. Undergraduate lecture. 2013.

Environmental Archaeology. Undergraduate seminar. 2014.

University of Arkansas

Approaches to Archaeology - Laboratory. Undergraduate methods course. 2008-09.

Introduction to Raster GIS. Undergraduate and graduate laboratory course 2009.

Field Courses and Short Courses

Center for the Analysis of Archaeological Materials Short Course in Archaeogeophysics. 2022.

The Deep Dig: Unearthing Gardens. Public course with C. White and M-C. Boileau. 2020.

Geophysikalisches Feld- und Geländepraktikum. Undergraduate and graduate field seminar Eberhard Karls Universität Tübingen. With G. Stegmaier. 2017-19.

Field Program in Geomatics. Arizona State University Field School at the Center for American Archeology, Kampsville, Illinois (annually). 2010-13.

UCLA Field Program in Archaeological Geophysics at Amarna, Egypt. 2011.

STUDENT SUPERVISION

Mackenzie McKillip, 2024 CAAM Capstone Project in Archaeological Science.

Helen Wong, 2023 Museum Assistantship: Digging Digital Data II: Revisiting magnetic survey data from Elis, Greece.

Chris LaMack, 2023-24 Museum Assistantship: Coordinating Digital Heritage of African American Burial Spaces.

Olivia Lee, 2023 Price Lab Mellon Undergraduate Fellowship. <https://mozia-2023.glitch.me/>

Sarah Laporte, 2023 BA SRP: “Re-discovering Sybaris: A Diachronic Study of the Sybarite Landscape” Classical Studies (with honors, Rhodes candidate), University of Pennsylvania.

Kacie Alaga, 2021 MA Thesis. Art and Archaeology of the Mediterranean World. University of Pennsylvania.

Kacie Alaga 2021 Museum Assistantship: Digging Digital Data: Revisiting the Penn Museum Expedition to Sybaris

Julia Byrnes 2020. Bloomberg High School Arts Internship. Mapping Pennsylvania’s African American Cemeteries.

GRANTS AND AWARDS

External Grants

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|------------|---|
| 2020 | Gerda Henkel Stiftung. <i>Space and Identity in Ancient Motya, Sicily</i> . With P. Sconzo. €24,340.00 |
| 2018 | German Aerospace Center (DLR)- <i>Archaeological Landscapes of the Upper Orontes Basin, Turkey</i> . TanDEM-X satellite data. |
| 2017 | Gerda Henkel Stiftung. <i>Urban Structure of a Phoenician Colony: Multi-Sensor Remote Sensing Survey of Motya, Sicily</i> . With P. Sconzo. €14,996.00 |
| 2017 | Humann Stiftung. <i>The Urban Morphology of Bronze and Iron Age Sam'al: An Electrical Resistance Tomography Survey of Zincirli, Turkey</i> . With V.R. Herrmann. €2350.00 |
| 2014, 2015 | DigitalGlobe Foundation Imagery Grants (x2). Imagery to support Archaeological Survey in Dohuk Province, Iraq. Estimated cumulative value ~\$40,000.00. |
| 2013 | National Geographic Waitt Grant. <i>Remote Sensing Survey of the Golden Eagle Site, Illinois: Documenting a Unique and Endangered Earthwork Complex</i> . With J. King and J. Buikstra. \$12,000.00 |
| 2013 | DigitalGlobe Foundation Imagery Grants (x2 in 2013). Lower Illinois River Valley, also Basin of Mexico (with A. Mejía-Rámon). Estimated cumulative value ~\$30,000.00. |
| 2008 | National Science Foundation Doctoral Dissertation Research Improvement Grant. <i>Settlements and Sands: Ancient Human Ecodynamics in the Rub' al-Khali Desert, Dubai, UAE #0820211</i> J. Casana Dissertation supervisor. \$14,999.00 |
| 2008 | Chicago Luminescence Award. Dating of Sediments in dissertation work. Value ~\$5,000.00 |
| 2008 | American Schools of Oriental Research Travel Grant for travel to the 2008 ASOR Meetings, Boston, Massachusetts. \$250.00 |

Internal Grants, Fellowships and Awards

2023	Penn Museum Director's Field Funds. Archaeological Fieldwork at Mozia, Italy & Dmanisi Gora, Georgia
2022	Penn Museum Director's Field Funds. Archaeological Fieldwork at Mozia, Italy
2021	Netter Center Academically Based Community Service Course Development Grant. For developing community archaeology courses in Intro to Digital Archaeology and Geophysical Prospection for Archaeology. \$10,000.00
2021	Penn Museum Director's Field Funds. Archaeological Fieldwork at Zincirli, Turkey.
2021	Penn Museum Director's Field Funds. Support for course-based fieldwork at The Woodlands, Philadelphia, Pennsylvania. With Marie-Claude Boileau and Chantel White.
2020	Penn Museum Director's Field Funds. Support for fieldwork at Mesa Redonda, Spain.
2019	University of Pennsylvania Year of Data Theme Year Grant for Graduate Seminar: Geophysical Prospection for Archaeology. \$1000.00.
2018	SFB 1070 ResourceCultures fund. Mapping the Northern Mesopotamian Archaeological Continuum with Multispectral Satellite Data (with P. Sconzo). 4104.20 €
2016	Tübingen University Universitätsbund. Student Training in Archaeological Geophysics at Significant European Sites: Mozia, Sicily, and Celtic Oppidum Heidengraben, Germany. 900.00 €
2016	Tübingen University Universitätsbund. Course Excursion to Berlin for Digital Recording of Sculptures and Inscriptions from Zincirli (with V.R. Herrmann and H. Niehr). 500.00€.
2013	Claire Garber Goodman Fund for the Anthropological Study of Human Culture. Dartmouth College. Photogrammetric recording of cuneiform tablets. \$1,500.00
2013	Claire Garber Goodman Fund for the Anthropological Study of Human Culture. Dartmouth College. Geophysical Investigations at Three Middle Woodland Mound Centers. \$3,538.40
2008	King Fahd Center for Middle East and Islamic Studies Student Research Grant for archaeological fieldwork at Zincirli Höyük, Turkey. \$1800.00
2004 – 08	University of Arkansas Doctoral Academy Fellowship. Cumulative amount: \$40,000.00
2006	Robert L. Stigler Jr. Scholarship for archaeological fieldwork in Dubai, UAE. \$1,482.00

- 2006 King Fahd Center for Middle East and Islamic Studies Student Research Grant. For archaeological fieldwork in Dubai, UAE. \$1,800.00
- 1997 University of Cincinnati Charles Phelps Taft Undergraduate Enrichment Award. For archaeological fieldwork at La Milpa, Belize. \$1,400.00

PUBLICATIONS

Edited Edition

- 2024 Sturm, Jennie O and **Jason T. Herrmann** (editors). Special Issue: Considering Present Day Communities in Archaeology Remote Sensing of Burial Spaces. *Archaeological Prospection*.
- 2014 **Herrmann, Jason T.** (guest editor). Special Issue for the Digital Domains Conference. *Advances in Archaeological Practice: A Journal of the Society for American Archaeology* 2(3).

Journal Articles

- In press **Herrmann, Jason T.**, Paola Sconzo and Leonarda Fazio with Pamela Totti. Refining Motya's Urban History with Landscape-Scale Investigations. Submitted to *Rivista di Studi Fenici*. 51: 73-107.
- 2023 Deckers, Katleen, Doga Karakaya, Laurel Poolman, Birgül Öğüt, **Jason Herrmann**, Kathryn R. Morgan, and Virginia Herrmann. 2023. "An Estate at Zincirli? Land Use and Resource Exploitation at the Middle Bronze Age Monumental Building Complex DD in Zincirli, Gaziantep Province of Turkey." *Archaeological and Anthropological Sciences* 15 (1): 13. <https://doi.org/10.1007/s12520-022-01709-w>.
- 2020 **Herrmann, Jason T.** and Paola Sconzo. Planning Punic Cities: Geophysical prospection and the built environment at Motya, Sicily. *Antiquity*. <https://doi.org/10.15184/aqy.2020.97>.
- 2019 **Herrmann, Jason T.** and Emily L. Hammer. Archaeo-Geophysical Survey of Bronze and Iron Age Fortress Landscapes of the South Caucasus. *Journal of Archaeological Science: Reports* 24 (April): 663–76. <https://doi.org/10.1016/j.jasrep.2019.02.019>.
- 2019 ArchaeoGlobe Project: Stephens, Lucas, Dorian Fuller, Nicole Boivin, Torben Rick, Nicolas Gauthier, Andrea Kay, Ben Marwick...**Jason T. Herrmann**... (120 authors total). Archaeological Assessment Reveals Earth's Early Transformation through Land Use. *Science* 365 (6456): 897-902. DOI: 10.1126/science.aax1192
- 2018 **Herrmann, Jason T.**, Benjamin Glissmann, Paola Sconzo, and Peter Pfälzner. Unmanned Aerial Vehicle (UAV) Survey with Commercial-Grade Instruments: A Case Study from the Eastern Habur Archaeological Survey, Iraq. *Journal of Field Archaeology* 43 (4): 269–83. DOI:<https://doi.org/10.1080/00934690.2018.1465808>.

- 2018 Opitz, Rachel and **Jason T. Herrmann**. Recent Trends and Longstanding Problems in Archaeological Remote Sensing. *Journal of Computer Applications in Archaeology* 1(1):19–41. DOI: <http://doi.org/10.5334/jcaa.11>
- 2018 **Herrmann, Jason T.**, Jörg W.E. Fassbinder, Marion Scheiblecker, Stephanie Döpfer, and Conrad Schmidt. Magnetometer Survey of a Hafit Monumental Complex, Al-Khashbah, Sultanate of Oman. *Proceedings of the Seminar for Arabian Studies*. (48) 119-124.
- 2016 Pfälzner, Peter and Paola Sconzo with Ralf Beutelschleiß, Alexander Edmonds, Benjamin Glissmann, Simon Herdt, **Jason T. Herrmann**, Saman Heydari-Guran, Johannes Kohler, Martin Mueller- Weiner, Ivana Puljiz, and Melissa Sharp. The Eastern Habur Archaeological Survey in Iraqi Kurdistan. A Preliminary Report on the 2014 Season. *Zeitschrift Für Orient-Archäologie*, no. 9: 10–69.
- 2016 McKinnon, Duncan P., Jason L. King, Jane E. Buikstra, Taylor H. Thornton, and **Jason T. Herrmann**. Returning to the Kamp Mound Group (11C12): Results from Geomagnetic Survey and High-Density Topographic Mapping in Calhoun County, Illinois. *Midcontinental Journal of Archaeology* 41:3, 231-254
doi:10.1080/01461109.2016.1209344.
- 2014 **Herrmann, Jason T.** Special Issue on Digital Domains. *Advances in Archaeological Practice: A Journal of the Society for American Archaeology* 2 (3): 145–46. doi:10.7183/2326-3768.2.3.145.
- 2014 **Herrmann, Jason T.**, Jason King, and Jane Buikstra. Mapping the Internal Structure of Hopewell Tumuli in the Lower Illinois River Valley through Archaeological Geophysics. *Advances in Archaeological Practice: A Journal of the Society for American Archaeology* 2 (3): 164–79. doi:10.7183/2326-3768.2.3.164.
- 2013 **Herrmann, Jason T.** Three-Dimensional Mapping of Archaeological and Sedimentary Deposits with Ground-Penetrating Radar at Saruq Al-Hadid, Dubai, United Arab Emirates. *Archaeological Prospection* 20 (3): 189–203.
doi:10.1002/arp.1456.
- 2012 **Herrmann, Jason T.**, Jesse Casana, and Hussein Suleiman Qandil. A Sequence of Inland Desert Settlement in the Oman Peninsula: 2008-2009 Excavations at Saruq Al-Hadid, Dubai, UAE. *Arabian Archaeology and Epigraphy* 23 (1): 50–69. DOI: 10.1111/j.16000471.2011.00349.x.
- 2010 Casana, Jesse, and **Jason T. Herrmann**. Settlement History and Urban Planning at Zincirli Höyük, Southern Turkey. *Journal of Mediterranean Archaeology* 23 (1): 55–80. doi:10.1558/jmea.v23i1.55.
- 2009 Casana, Jesse, **Jason T. Herrmann**, and Hussein Suleiman Qandil. Settlement History in the Eastern Rub Al-Khali: Preliminary Report of the Dubai Desert Survey (2006-2007). *Arabian Archaeology and Epigraphy* 20 (1): 30–45.
doi:10.1111/j.1600-0471.2008.00306.x.

- 2008 Casana, Jesse, **Jason T. Herrmann**, and Aaron Fogel. Deep Subsurface Geophysical Prospection at Tell Qarqur, Syria. *Archaeological Prospection* 15 (3): 207–25. doi:10.1002/arp.335.

Book Chapters

- 2021 Scheilbecker, Marion, **Jason T. Herrmann**, and Jörg W. E. Fassbinder. “Die Geophysikalische Prospektion.” In *Die Entstehung Komplexer Siedlungen Im Zentraloman: Archäologische Untersuchungen Zur Siedlungsgeschichte von Al-Khashbah*, edited by Conrad Schmidt, Stephanie Dopper, Jonas Kluge, Samantha Petrella, Ullrich Ochs, Nick Kirchhoff, Susanne Maier, and Mona Walter, 26–35. Arabia Orientalis: Studien Zur Archäologie Ostarabiens 5. Archaeopress.
- 2019 Höpfer, Benjamin, Sascha Scherer, Doris Schmid, **Jason T. Herrmann**, Thomas Scholten, Peter Kühn, Thomas Knopf. Archäologische und bodenkundliche Untersuchungen zur bronzezeitlichen Besiedlung des westlichen Allgäus bei Leutkirch, Landkreis Ravensburg. *Archäologische Ausgrabungen in Baden-Württemberg 2018*.
- 2019 Bartelheim, Martin, **Jason T. Herrmann**, David Kirschenheuter, Anke Scholtz, Gerd Stegmaier, Günter Wieland. Geomagnetik am Albtrauf - Ein Kooperationsprojekt des Landesamts für Denkmalpflege und der Universität Tübingen. *Archäologische Ausgrabungen in Baden-Württemberg 2018*.
- 2017 King, Jason L., Jane E. Buikstra, **Jason T. Herrmann**, and Duncan P. McKinnon. The Role of Remote Sensing in Evaluating Middle Woodland Variability and Intensity of Use in the Lower Illinois River Valley. In *Archaeological Remote Sensing: Applications in North America*, Duncan McKinnon and Bryan Haley Editors. Pp 171-184. University of Alabama Press.
- 2017 Stegmaier, Gerd, Jonas Armingeon, **Jason T. Herrmann**. Zwischen Diesseits und Jenseits-Komplexe Graben-und Ritualstrukturen im Bereich des Oppidums Heidengraben. *Archäologische Ausgrabungen in Baden-Württemberg 2016*, 147–51.
- 2016 Matthias Lang, Matthias, Manuel Abbt, Gerlinde Bigga, **Jason T. Herrmann**, Virginia Herrmann, Kevin Körner, Fabian Schwabe, and Dieta Svoboda. A Swabian in the Orient. In the Footsteps of Julius Euting. *CAA 2015: Keep the Revolution Going Proceedings of the 43rd Annual Meeting of the Conference on Computer Applications and Quantitative Methods in Archaeology*. Stefano Campana, Roberto Scopigno, Gabriella Carpentiero and Marianna Cirillo, editors. Pp 1027-1033. Archaeopress, Oxford.
- 2015 Stegmaier, Gerd, Jonas Armingeon, **Jason T. Herrmann**, and Matthias Lang. Oppidum Und Gräberfeld - Neue Untersuchungen Im Bereich der Nekropole Beim Burrenhof. *Archäologische Ausgrabungen in Baden-Württemberg 2014*, 127–31.

Published Reports

- 2005 Kay, Marvin and **Jason T. Herrmann**. Report on Archaeological Survey at Pea Ridge National Military Park, Arkansas, and Wilson's Creek National Battlefield, Missouri, 2001-2004. On file at U.S. Department of Interior, National Park Service, Midwest Archeological Center, Cooperative Agreement No. CA611500047. Lincoln, Nebraska.
- 2004 **Herrmann, Jason T.** Interpreting Leetown through the Integration of Aerial and Ground-Based Remote Sensing Techniques. Submitted to the Midwest Archeological Center, National Park Service, Lincoln, Nebraska.

Other Publications

- 2023 **Herrmann, Jason T.** In the Labs: The New CAAM Digital Laboratory. *Expedition* Vol 65(1) 40-41.
- 2021 **Herrmann, Jason T.** and Jackson Clark. Return to the Field: Mapping the Urban Plan of Ancient Motya. *Expedition*. Vol 62(3) 18-21.
- 2020 **Herrmann, Jason T.**, Kacie Alaga and Katie Breyer. Reconstructing a Historic Landscape: Geophysical Prospection at the Woodlands. *Expedition*. Special Issue: Philly Gardens. C. White and J. Hickman, editors. Vol 62(3) 18-27.
- 2020 **Herrmann, Jason T.** In the Labs: Teaching Geophysical Survey. *Expedition*. Vol. 62(2) 56-57.
- 2016 **Herrmann, Jason T.** Online resource: 2016. *Digital 3D Models for Research and Outreach*. Center for American Archeology Blog. <http://www.caa-archeology.org/digital-3d-modelkoster-dog/> Last edited Feb 5, 2016.
- 2015 **Herrmann, Jason T.** Online resource: *A Method for Rapid Survey of Open Archaeological Sites with a Dual Gradiometer*. jasonherrmann.net
- 2011 **Herrmann, Jason T.** A Field School in Archaeological Geophysics. Horizon: The Amarna Project and Amarna Trust Newsletter. Issue 9. pp. 2-5.
- 2011 **Herrmann, Jason T.** Using the Bartington Grad 601 with Two Sensors in the Field. CAST Technical Publications Series. Number 2563.
- 2006 **Herrmann, Jason T.** Product Review: IDRISI Andes Edition Enhances Modules, Adds Land Change Modeler. *Earth Imaging Journal* 3: 6. pp. 40-41.

Forthcoming

- In review Hunt-Ortiz, Mark A., **Jason T. Herrmann**, Marta Díaz-Zorita Bonilla, Javier Escudero Carrillo, Martin Bartelheim, Jacobo Vázquez Paz, Döbereiner Chala-Aldana. Prospección Arqueológica Geomagnética Complementaria en el Área del Yacimiento Las Mesas (Anzalcóllar, Sevilla). *Anuario Arqueológico de Andalucía*.

SELECT FIELD PROJECTS**Active**

- Since 2007 Chicago-Tübingen Expedition to Sam'al, Turkey. Landscape Archaeologist/Spatial Data Coordinator.
- Since 2016 Urban Structure of Phoenician Motya, Italy. Principal Investigator & Archaeo-Geophysics Specialist.
- Since 2019 The Woodlands Landscape. Co-PI, Landscape archaeologist.
- Since 2020 Community-Oriented Digital Archaeology of Pennsylvania's African American Landscapes. Director.
- Since 2022 African American Settlement at Payne's Crossing, Ohio. Landscape Archaeologist.

Other

- 2018-20 Use of the resource landscape and socio-cultural change in the Iberian Peninsula. Archaeo-Geophysics Specialist.
- 2014-19 Eastern Ḥabur Archaeological Survey, Iraqi Kurdistan. Universität Tübingen. Geospatial Data Specialist.
- 2018-19 Albrauf Projekt, Baden Württemberg, Germany. Landscape Archaeologist, Archaeo-Geophysics Specialist
- 2016-17 Naxçıvan Archaeological Survey, Azerbaijan, with University of Chicago/ University of Pennsylvania. Archaeo-Geophysics Specialist.
- 2017 Universität Tübingen Athribis Projekt, Egypt. Archaeo-Geophysics Specialist.
- 2016 Tell Koubba Archaeological Project, Lebanon, with Durham University. Archaeo-Geophysics Specialist.
- 2013-15 Golden Eagle Archaeological Project, USA. With the Center for American Archeology, Illinois. Principal Investigator.
- 2015 University of Tübingen Expedition to Oman. Archaeo-Geophysics Specialist.
- 2011 Tell el-Amarna South Tombs Geophysical Survey, Egypt. Director.
- 2006-09 Dubai Desert Survey, United Arab Emirates. Archaeologist.
- 2006-07 Tell Qarqur Expedition, Syria. Archaeo-Geophysics Specialist.
- 2005-06 Tiwanaku Geophysical Survey, Bolivia. Archaeo-Geophysics Specialist.
- 2002-05 Battlefields Archaeological Survey, Pea Ridge National Military Park, Arkansas and Wilson's Creek National Battlefield, Missouri. Graduate Assistant.
- 1997-98 Ancient Maya Water and Land Use in Northwest Belize. Excavator.

CONFERENCE and SESSION ORGANIZATION

- 2022 Organizer. From Plains to P-Values: Papers in Honor of Kenneth L. Kvamme. Society for American Archaeology Annual Meeting, Chicago USA. With E. Ernenwein and J. Menzer.
- 2018 Organization Committee Member. Computer Applications and Quantitative Methods in Archaeology Meetings, Tübingen, Germany.
- 2014 Symposium Chair. Integrating 3D Datasets in Field Archaeology. Computer Applications and Quantitative Methods in Archaeology Meeting, Siena, Italy. With M. Lang.
- 2014 Conference Organizer. Digital Domains: Remote Sensing and Visualization of Past Human Landscapes. Neukom Institute for Computational Science, Dartmouth College, USA.
- 2007 Co-organizer. Workshop: Introduction to High-density Scanning for Archaeologists. Society for American Archaeology Meeting. Austin, USA. With C. Goodmaster and W. F. Limp.

INVITED SYMPOSIA

- 2022 Archaeological Activity at Payne's Crossing Farmstead and Cemetery, with Cory Crawford and Joseph Gingerich. 'Black Life in the Ohio Valley Conference'. Ohio University, Athens, Ohio, USA.
- 2022 Digital Archaeology: Practice and Potential. Presentation for "Highway to Science! Scientific Archaeology in Turkey with a Special Focus on Basic Research Methods" Online International Research Workshop organized by ARWA.
- 2021 Community-Oriented Digital Archaeology: a Multi-Course Curriculum. Pennsylvania Hallowed Grounds Annual Meeting. Pennsylvania, USA.
- 2017 Contributions of Remote Sensing and Geospatial Analysis to the EHAS. Current Research in Assyrian Landscapes. Adam Mickiewicz University, Poznań, Poland.
- 2014 Methodology and Results of the Geophysical Survey of Zincirli. Festakt & Workshop for the Chicago-Tübingen Archaeological Project in Sam'al. Eberhard Karls Universität Tübingen, Germany.
- 2014 (Re-)Defining Spatial Archaeometry. (Forum Discussant). Forum session at the 79th annual meeting of the Society for American Archaeology, Austin, USA.

CONFERENCE PRESENTATIONS

- 2023 Moore, Katherine, Chantel White, Marie-Claude Boileau, **Jason T. Herrmann**, and Vanessa Workman. Hands-on Learning Applications in University Archaeological Science Courses. Society for American Archaeology Annual Meeting, Portland, USA.

- 2022 **Herrmann, Jason T.** and Paola Sconzo. Landscape Scale Investigations at Mozia. Tenth International Congress on Phoenician and Punic Studies. October 17-21. Ibiza, Spain.
- 2022 Tremayne, Andrew, **Jason T. Herrmann**, Cory Crawford, Joseph Gingerich, Nancy Tatarek. Current Research and Management of Black History Sites on the Wayne National Forest, Southeast Ohio. Ohio Archaeology Council Meeting, October 21, Columbus, Ohio, USA.
- 2021 **Herrmann, Jason T.** and Paola Sconzo. Approaching Demography and Economy in Piedmont Landscapes during the Neo Assyrian Period. Bologna, Italy.
- 2019 **Herrmann, Jason T.** From the Ground up: Shallow Groundwater and Prehistoric Settlement Patterns in the UAE. Recent Archaeological Research in Southeastern Arabia, Tübingen, Germany.
- 2018 **Herrmann, Jason T.** and Paola Sconzo. Impressions of the Urban Organization of Motya as Revealed through Remote Sensing. International Congress of Phoenician and Punic Studies. October 22-26, Mérida, Spain.
- 2018 Lang, Matthias, **Jason T. Herrmann**, Benjamin Glissmann, and Paola Sconzo. UAVs as a Key to Siteless Surveys: a case from the Kurdistan Region of Iraq. Aerial Archaeology Research Group (AARG) 2018 Annual Meeting September 12-14, 2018. Venice, Italy.
- 2018 **Herrmann, Jason T.** The Urban Development of Sam'al (Zincirli) from the Perspective of Remote Sensing. 11th International Congress on the Archaeology of the Ancient Near East (ICAANE), Munich, Germany.
- 2018 **Herrmann, Jason T.**, Matthias Lang and Paola Sconzo. Continuous Archaeological Landscapes of Northern Mesopotamia through Multispectral Data from Aerial and Orbital Platforms. Annual Meetings of Computer Applications and Quantitative Methods in Archaeology, Tübingen, Germany.
- 2017 **Herrmann, Jason T.** and Paola Sconzo. Environmental Influences on Survey Results and Settlement Patterns, Eastern Ḥabur Region, Iraqi Kurdistan. ASOR Annual Meeting, Boston, USA.
- 2017 **Herrmann, Jason T.**, Jörg Faßbinder, Marion Scheiblecker, Stephanie Döpper, and Conrad Schmidt. Magnetic Survey of Buildings I and XI, Al-Khashbah, Sultanate of Oman. Seminar for Arabian Studies, London, UK.
- 2017 **Herrmann, Jason T.** What to do with Ambiguous Anomalies? Annual Meetings of Computer Applications and Quantitative Methods in Archaeology, Atlanta, USA.
- 2017 Sconzo, Paola, **Jason T. Herrmann**, and Alexander Edmonds. Living on the Edge of Empires. A Case Study from the Eastern Ḥabur Region, Iraqi Kurdistan. BANE. Glasgow, UK.

- 2016 **Herrmann, Jason T.**, Emily Hammer, and Vəli Baxşəliyev. Multi-Sensor Geophysical Survey of Middle Bronze and Iron Age Landscapes, Oğlanqala, Naxçıvan, Azerbaijan. ASOR Annual Meeting, San Antonio, USA.
- 2016 Badreshany, Kamal, Melissa Kennedy, **Jason T. Herrmann**, Kristen Hopper, Nadia Khalaf, Graham Phillip, and Hélène Sader. Urban Origins in North Lebanon: New Light from the Tell Koumba Excavations. ASOR Annual Meeting, San Antonio, USA.
- 2016 Squires, Kristen, Amanda Wissler, Taylor H. Thornton, Jason L. King, **Jason T. Herrmann**, and Jane E. Buikstra. Golden Eagle (11C120) Mound 2: 2015-2016. Poster - Midwest Archaeological Conference, Iowa City, USA.
- 2015 King, Jason L., Jane E. Buikstra, **Jason T. Herrmann**, and Taylor H. Thornton. Ground Penetrating Radar Survey and Excavation of the Golden Eagle (11C120) Embankment. Society for American Archaeology Meetings. San Francisco, USA.
- 2015 **Herrmann, Jason T.**, Benjamin Glissmann, and Matthias Lang. Low-Altitude Aerial Photography in an Archaeological Survey of Iraqi Kurdistan. Poster - Annual Meetings of the Computer Applications and Quantitative Methods in Archaeology Meetings, Siena, Italy.
- 2015 Lang, Matthias, Jörg Bofinger, **Jason T. Herrmann**, and Dieta Svoboda. Teaching Digital Methods in the Field: The Tübingen Approach. Annual Meetings of Computer Applications and Quantitative Methods in Archaeology, Siena, Italy.
- 2015 Abbt, Manuel, Gerlinde Bigga, **Jason T. Herrmann**, Virginia Herrmann, Matthias Lang, Fabian Schwabe, and Dieta Svoboda. A Swabian in the Orient - in the footsteps of Julius Euting: Bridging the gap between Digital Humanities and Digital Archaeology. Poster - Annual Meetings the Computer Applications and Quantitative Methods in Archaeology, Siena, Italy.
- 2015 Glissmann, Benjamin; **Jason T. Herrmann**, and Matthias Lang. Vom Luftbild zum 3D Modell zum Einsatz von unbemannten Luftfahrzeugen in der Archäologie des Vorderen Orients. Poster - DHd-2015: Digital Humanities in the German-speaking countries. Graz, Austria.
- 2015 Glissmann, Benjamin, **Jason T. Herrmann**, and Matthias Lang. Vom Luftbild zum 3D-Modell zum Einsatz von unbemannten Luftfahrzeugen in der Archäologie des Vorderen Orients. Poster - German Chapter of Computer Applications in Archaeology meetings, Dresden, Germany.
- 2014 **Herrmann, Jason T.**, Jason L. King, Jane E. Buikstra, and Taylor H. Thornton. Geophysical Survey at Golden Eagle, Illinois (11C120). Annual Meeting of the Midwest Archaeological Conference, Champaign, USA.

- 2014 King, Jason L., **Jason T. Herrmann**, Jane E. Buikstra, and Taylor H. Thornton. Geophysical Survey and Excavation of the Golden Eagle (11C120) Embankment. Annual Meeting of the Midwest Archaeological Conference, Champaign, USA.
- 2014 **Herrmann, Jason T.**, Jason L. King, and Jane E. Buikstra. Three-dimensional Subsurface Mapping of Earthen Mounds in the Lower Illinois Valley. Society for American Archaeology, Austin, USA.
- 2013 **Herrmann, Jason T.** Just a Mirage? Temporal Trends in Inland Settlement and Inter-Dune Lakes in Southeast Arabia. ASOR Annual Meeting, Baltimore, USA.
- 2013 King, Jason L., **Jason T. Herrmann**, and Jane E. Buikstra. The Golden Eagle Site: a 21st Century Perspective. Midwest Archaeological Conference, Columbus, USA.
- 2012 **Herrmann, Jason T.** and J. David Schloen. Spatial Data and Mapping in OCHRE: A Case Study from the Neubauer Expedition to Zincirli. ASOR Annual Meeting in Chicago, USA.
- 2011 **Herrmann, Jason T.** Duncan P. McKinnon, Jason L. King, and Jane E. Buikstra. Summary of Three Seasons of Remote Sensing at Mound House (11GE7), Greene County, Illinois. Poster - Midwest Archaeological Conference, La Crosse, USA.
- 2011 Buikstra, Jane E., Duncan P. McKinnon, Jason L. King, **Jason T. Herrmann**, and Mary Ann Vicari. The Kampsville Experience: Education in the Lower Illinois River Valley. Southeastern Archaeological Conference Meeting, Jacksonville, USA.
- 2011 **Herrmann, Jason T.**, Robert Carter, Katie M. Simon, and Christine Markussen. Poster: Geomagnetic Survey at Julfar al-Mataf, 2010. Seminar for Arabian Studies, British Museum, London, UK.
- 2010 **Herrmann, Jason T.** and Jason L. King. A Resistance Survey of Mound 1 at Mound House, Illinois. Midwest Archaeology Conference, Bloomington, USA.
- 2010 McKinnon, Duncan and **Jason T. Herrmann**. Exploring a Cultural Landscape: A Multidisciplinary Approach to Understanding the Spatial Layout of the Confederate Cemetery in Fayetteville, Arkansas. Southeastern Archaeology Conference, Lexington, USA.
- 2010 **Herrmann, Jason T.** Evidence for Desert Occupation and Environmental Change at Three Sites in Dubai, UAE. 7ICAANE meetings, British Museum, London, UK.
- 2009 **Herrmann, Jason T.** Site Formation at Saruq al-Hadid, Dubai and Implications for Environmental Change in Southeast Arabia. ASOR Annual Meeting in New Orleans, USA.
- 2009 **Herrmann, Jason T.** Digital Dunes: Site Structure as seen in GPR from Saruq al-Hadid, UAE. 37th annual international conference on Computer Applications and Quantitative Methods in Archaeology (CAA), Williamsburg, USA.

- 2009 **Herrmann, Jason T.** and Jesse Casana. Geomagnetic Survey at Zincirli Höyük, Turkey. Poster - 37th annual international conference on Computer Applications and Quantitative Methods in Archaeology (CAA), Williamsburg, USA.
- 2009 Casana, Jesse, Hussein Qandil, and **Jason T. Herrmann.** Archaeological Investigations at Saruq al-Hadid: An Iron Age Metalworking site in Dubai's Inland Desert. 2nd International Conference on UAE Archaeology, Abu Dhabi, United Arab Emirates.
- 2008 Casana, Jesse, **Jason T. Herrmann,** and Eric R. Jensen. Settlement History and Urban Planning at Zincirli Höyük, Southern Turkey. Society for American Archaeology Meetings, Vancouver, Canada.
- 2008 **Herrmann, Jason T.** and Jesse Casana. Climate and Settlement Dynamics at Three Sites in the Rub' al-Khali Desert, UAE. Society for American Archaeology Meetings, Vancouver, Canada.
- 2008 **Herrmann, Jason T.** Human Ecodynamics at Three Sites in Dubai, UAE. ASOR Annual Meeting, Boston, USA.
- 2007 **Herrmann, Jason T.,** Eileen Ernenwein, Michele Koons, Dan Aylward, and Duncan McKinnon. Geophysics at Tiwanaku: Results from the 2006 Field Season. Poster 2007 Society for American Archaeology Meetings, Austin, USA.
- 2006 **Herrmann, Jason T.** Non-invasive Survey Techniques in Cultural Landscape Investigation. Society for Historical Archaeology 39th Conference on Historical and Underwater Archeology, Sacramento, USA.
- 2006 **Herrmann, Jason T.** A GIS Approach to Evaluating Prehistoric Seasonal Land Use Strategies at Pea Ridge National Military Park, Arkansas. Society for American Archaeology Meetings, San Juan, Puerto Rico.
- 2006 **Herrmann, Jason T.,** Jesse Casana, and Aaron Fogel. Geophysical Prospection and Three-Dimensional Modeling of Buried Archaeological Features at Tell Qarqur, Syria. ASOR Annual Meeting, Washington DC, USA.
- 2003 **Herrmann, Jason T.** Preliminary Report on Upland Archaeological Investigations at Pea Ridge National Military Park. 61st Plains Anthropological Conference, Fayetteville, USA.
- 2001 Scarborough, Vernon L., Nicholas Dunning, Richard Hutchinson, and **Jason T. Herrmann.** Evolution of a Maya Landscape: La Milpa and its Immediate Hinterlands. Paper in session in Honor of R.E.W. Adams' Contributions at the Sixty-Sixth Annual Meetings for the Society for American Archaeology, New Orleans, USA.

PUBLIC LECTURES

- 2024 Archaeology's role in Protecting African American Burial Spaces. Penn Museum Archaeology in Action Lecture Series.
- 2023 Community-Oriented Digital Archaeology. Pennsylvania Hallowed Grounds 2023 Annual Meeting.
- 2023 Mt Zion AME investigations. Presentation to Mt Zion AME, Devon PA and PAHG. Philadelphia, USA
- 2022 The Woodlands Then and Now. Presentation to The Woodlands Grave Gardeners with M-C Boileau and C. White. Philadelphia, USA.
- 2021 How to do archaeology without a shovel: understanding ancient cities with remote sensing. Science on Tap Philadelphia. <https://www.scienceontapphilly.com/>
- 2021 Community-Oriented Digital Archaeology: a Multi-Course Curriculum. Explore Philly's Buried Past 2021 Series: Philadelphia Archaeological Forum. Online lecture https://youtu.be/n33m9kVj5_s
- 2020 Mapping Sites Underground with Digital Archaeology. Penn Museum Living Room Lectures. <https://www.penn.museum/events/adult-programs/living-room-lectures>
- 2015 Structural Variation in Middle Woodland Mounds in the Lower Illinois River Valley as Seen through Remote Sensing. INA Colloquium, Eberhard Karls Universität Tübingen, Germany.
- 2014 Mapping Ritual: The Internal Structure of Hopewell Tumuli and Earthworks in the Lower Illinois River Valley. Digital Domains, Neukom Institute for Computational Science, Dartmouth College, USA.
- 2014 Groundwater-Supported Settlement in the Deserts of Protohistoric Southeast Arabia. Department of Anthropology, University of Vermont, USA.
- 2013 Oasis-Supported Settlement in Southeast Arabia. Harvard Lunchtime Archaeology Seminar, Department of Anthropology, Harvard University, USA.
- 2013 Remote Sensing and Spatial Analysis of Hopewell Sites in the Lower Illinois Valley. Center for American Archeology, Kampsville Illinois.
- 2012 Knowing without Digging: Geophysical Survey at Mound House (11GE7). Archeology Day, Center for American Archeology, Kampsville, Illinois.
- 2010 Site Formation at Saruq al-Hadid, Dubai: Implications for Environmental Change in Southeast Arabia. Geosciences Colloquium, University of Arkansas, USA.
- 2009 Archaeological Investigations in Dubai's Interior. Public Lecture, Emirates Natural History Group, Abu Dhabi, UAE.

RELATED PROFESSIONAL EXPERIENCE

- 2011-12 Photographer for Reflectance Transformation Imaging. Persepolis Fortification Archive Project, Oriental Institute, University of Chicago.
- 2007-08 Research Assistant. King Fahd Center for Middle East and Islamic Studies, University of Arkansas.
- 2006-07 Research Assistant. Center for Advanced Spatial Technologies, University of Arkansas.
- 2002-04 Research Assistant. Battlefields Archaeological Survey and Predictive Modeling Project, University of Arkansas.
- 1999-02 Field Technician & Technical Specialist. Gray & Pape, Inc. Cultural Resource Consultants, Cincinnati, Ohio.
- 1997-99 Laboratory Technician. Ancient Maya Water and Land Use in Northwest Belize Project, University of Cincinnati.

OTHER EDUCATION AND CERTIFICATION

- 2020 Course Design for Whatever the Fall Brings. University of Pennsylvania.
- 2019 Part 107 Certified Pilot. US Federal Aviation Administration.
- 2005 GPR-Slice Short Course by Dean Goodman, Geophysical Archaeometry Laboratory. Natchitoches, Louisiana.
- 2003 Current Archaeological Prospection Advances for Non-Destructive Investigations in the 21st Century. National Park Service, Cahokia Mounds, Collinsville, Illinois.
- 2000 Section 106 in the New Regulatory Environment: A Workshop for Agencies, Federal Applicants and CRM Consultants. Cincinnati, Ohio.

ACADEMIC SERVICE

Editorial Board: Journal of Archaeological and Anthropological Sciences (2017-2022)

Grant Referee: Toronto Digital Humanities Network (2021), Netherlands Organisation for Scientific Research Vidi Humanities Program (2014), National Geographic Society (2014 x 2, 2016).

Journal Peer Review: Advances in Archaeological Practice (2014, 2017), Anthropological and Archaeological Sciences (2014), Arabian Archaeology and Epigraphy (2012, 2014), Archaeological Prospection (2017, 2018, 2019, 2022, 2023, 2024), BASOR (2021), Broadening Horizons 6 (2020), Computer Applications and Quantitative Methods in Archaeology, Drone Systems and Applications (2024), Geosciences (2017 x 2), Iraq (2018), Journal of Anthropological Archaeology (2018, 2021), Journal of Archaeological and Anthropological Sciences (2016), Journal of Archaeological Method and Theory (2017), Journal of Archaeological Science (2017), Journal of Archaeological Science Reports (2018), Journal of Field Archaeology (2017, 2018), Levant (2019), Remote Sensing (2014-2017).