



HEATHER RICHARDS- RISSETTO

Current as of 10/15/2017

Department of Anthropology
University of Nebraska-Lincoln
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CURRENT POSITION

- 2014-Present Assistant Professor, Department of Anthropology, University of Nebraska-Lincoln
Faculty Fellow, Center for Digital Research in the Humanities, University of Nebraska-Lincoln
- 2016-Present Courtesy Assistant Professor, School of Natural Resources, University of Nebraska-Lincoln

PROFESSIONAL EMPLOYMENT

- 2013-2014 Geographic Information Systems Teaching Fellow, Dept. of Geography, Middlebury College, Vermont
- 2012-2013 NSF Postdoctoral Fellow, 3D Optical Metrology, Bruno Kessler Foundation, Trento, Italy
- 2010-2012 Postdoctoral Fellow, HUMlab, Umeå University, Umeå, Sweden
- 2010-2014 Adjunct Assistant Professor, Dept. of Anthropology, University of New Mexico

EDUCATION

- Ph.D. University of New Mexico, Ph.D. with Distinction, Anthropology (2010). Advisors: James Boone, Jane Buikstra, Jennifer von Schwerin, David Dinwoodie, and Richard Watson
- M.A. University of New Mexico, M.A., Anthropology (2000)
- B.A. University of Southern Maine, B.A., Anthropology and Geography (1995)

TOPICAL CONCENTRATIONS & SKILLS

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|---------------------------------|--|
| -Geographic Information Systems | -3D Visualization |
| -Mesoamerica | -Ancient Maya |
| -Digital/Spatial Humanities | -Landscape Archaeology |
| -Social Inequality | -Visibility & Accessibility Methods/Analysis |

DIGITAL PROJECTS

- 2017-present -Director, *Keeping Data Alive: Supporting reuse and repurposing of 3D data in the Humanities*
- 2017-present -GIS/Virtual Reality Specialist, *Ox Project: Geo-design & Geo-simulation for Climate Change Issues*, Project Lead: ArtEZ University of the Arts, Netherlands

- 2015-present -Director, *MayaCityBuilder: A 3D digital lexicon of ancient Maya architecture*
<http://mayacitybuilder.org/>
- 2009-2015 -GIS Director, *MayaArch3D: Developing a 3D WebGIS for archaeological research*
<http://www.mayaarch3d.org/>

GRANTS

- 2017-2018 Richards-Risetto, H. (PI). *Preservation and Access Research and Development Grant*, National Endowment for the Humanities (PR-253389-17): \$74,368
- 2017-2018 Richards-Risetto, H. (PI). *Analysis of the Placement of Maya Hieroglyphs at Copan* Undergraduate Creative Activities and Research (UCARE) with Elizabeth Koenen, University of Nebraska-Lincoln: \$2400
- 2017 Richards-Risetto, H. (PI). *Maude Hammond Fling Faculty Research Fellowship, Faculty Seed Grant*, University of Nebraska-Lincoln: \$9360
- 2017 Richards-Risetto, H. (PI). *Research Council Distinguished Lecturer Grant*, University of Nebraska-Lincoln: \$2339
- 2016-2017 *College of Arts & Sciences International Travel for Scholarly Presentations*, University of Nebraska-Lincoln: \$1500
- 2016-2017 Richards-Risetto, H. (PI). *MayaCityBuilder: TL and OSL Dating of ceramics at ancient Maya city of Copan, Honduras*. Undergraduate Creative Activities and Research (UCARE) with Rachel Dickerson, University of Nebraska-Lincoln: \$2400
- 2016-2017 Richards-Risetto, H. (PI). *MayaCityBuilder: Analyzing Changes in Land-use and Settlement Patterns in Copan, Honduras*, Undergraduate Creative Activities and Research (UCARE) with Stephanie Sterling, University of Nebraska-Lincoln: \$2400
- 2015-2017 Consultant. *Three Dimensional Archaeological Landscape Reconstruction and Land Use Modeling at Chaco Canyon, New Mexico*. National Science Foundation Collaborative Research. PI: Wirt Wills, University of New Mexico (#1523211): \$162,886
- 2016 Richards-Risetto, H. (PI). *ENHANCE CAS Award*, Colleges of Arts & Sciences, University of Nebraska-Lincoln: \$4096
- 2015-2016 *College of Arts & Sciences International Travel for Scholarly Presentations*, University of Nebraska-Lincoln: \$1500
- 2015 Richards-Risetto, H. (PI). *Layman Faculty Seed Award*, University of Nebraska-Lincoln: \$11,779
- 2015 Richards-Risetto, H. (PI). *Refining a Ceramic Chronology: Identifying Ideological and Sociopolitical Shifts at Copan, Honduras*, Undergraduate Creative Activities and Research (UCARE), University of Nebraska-Lincoln: \$2400
- 2015 *Faculty Senate Convocations Committee Grant*, University of Nebraska-Lincoln: \$500
- 2014-2015 *College of Arts & Sciences International Travel for Scholarly Presentations*, University of Nebraska-Lincoln: \$1500
- 2014 Richards-Risetto, H. (Co-PI) with Carrie Heitman, Montgomery Lectureship Award: Research Council, University of Nebraska-Lincoln: \$2000

- 2014 Richards-Risetto, H. (PI). *Faculty Seed Grant*, University of Nebraska-Lincoln Research Council: \$9859 (awarded but declined)
- 2013 Richards-Risetto, H. (PI). *Undergraduate Collaborative Research Grant*, Middlebury College: \$2100
- 2010-2011 Senior Personnel. *National Endowment for the Humanities Digital Humanities Start-Up Grant (Phase II)* HD-50975-10: PI: Jennifer von Schwerin: \$49,832
- 2009-2010 Senior Personnel. *National Endowment for the Humanities Digital Humanities Start-Up Grant (Phase I)* HD-50583: PI: Jennifer von Schwerin: \$24,517
- 2008 *Research, Project and Travel Grant*, Office of Graduate Studies, University of New Mexico: \$800
- 2007 Student Conference Award Program (SCAP), University of New Mexico
- 2006 *Graduate Research Development Grant*, Office of Graduate Studies, University of New Mexico: \$4000
- 2006 *Latin American and Iberian Institute Field Research Grant*, University of New Mexico: \$1500
- 2005 Invited Member, Planning Committee for 2006 SPACE Workshops for Center for Spatially Integrated Social Science, Santa Barbara, CA, December 2005.
- 2005 *Latin American and Iberian Institute Field Research Grant*, University of New Mexico: \$1200
- 2003-2005 *Research, Project and Travel Grants*, Office of Graduate Studies, University of New Mexico: \$8200

FELLOWSHIPS

- 2017 Visiting Scholar, Interdisciplinary Center for Scientific Computing (IWR), University of Heidelberg, Germany, May 2017.
- 2012-2013 International Research Fellowship Program (IRFP), Office of International Science and Engineering, National Science Foundation, OISE-1064648: \$143,035
- 2010-2011 Postdoctoral Fellowship, HUMlab, Umeå University, Umeå, Sweden.
- 2010 Postdoctoral Fellowship, Dept. of Art and Art History, University of New Mexico.
- 2006-2008 Latin American and Iberian Institute Ph.D. Fellowship, University of New Mexico: \$23,000

HONORS & AWARDS

- 2017 Society for American Archaeology Presidential Recognition Award, Task Force for Tenure and Promotion Statement for Archaeologists in Diverse Academic Roles
- 2017 University of Nebraska-Lincoln Certificate of Recognition for Contribution to Students. University of Nebraska-Lincoln Parents Association and University of Nebraska Teaching Council
- 2016 SAA Presidential Recognition Award for Task Force for Tenure and Promotion Statement for Archaeologists in Diverse Academic Roles

- 2016 Nomination to SAA Task Force for Tenure and Promotion Statement for Archaeologists in Diverse Academic Roles
- 2016 Nomination to Scientific Committee of Computer Applications and Quantitative Methods
- 2016 Nomination to Steering Committee of North American Chapter of Computer Applications and Quantitative Methods
- 2015-2018 Nomination to Student Poster Award Committee, Society for American Archaeology
- 2015-2016 Selected participant, NEH Advanced Topics in the Digital Humanities Summer Institute, Advanced Challenges in Theory and Practice in 3D Modeling of Cultural Heritage Sites, University of Massachusetts, Amherst, June 2015 and UCLA, June 2016
- 2011 Wallenberg Foundation Travel Award, Umeå University, Sweden: \$2000
- 2010 Selected participant, National Endowment for the Humanities Workshop, Scholar's Lab at the Institute for Enabling Geospatial Scholarship, University of Virginia, May, 25-27
- 2008 New Mexico Geographic Information Council, ESRI Southwest User Group Scholarship: \$1500
- 2008 Spatial Perspectives on Analysis for Curriculum Enhancement (SPACE) Instructional Award, Center for Spatially Integrated Social Science (CSISS), National Science Foundation: \$1500
- 2007 Guest Editor, 38th Annual Meeting of the Editorial Committee for Annual Review of Anthropology, Vol. 38 (2009).
- 2007 Student Conference Award Program (SCAP), University of New Mexico: \$800
- 2007 New Mexico Scholars Award, University of New Mexico: \$2000
- 2006 Ta Liang Memorial Award, American Society for Photogrammetry & Remote Sensing (ASPRS): \$500
- 2006 Academic Conference Courses to Enhance Spatial Science (ACCESS) Award, Center for Spatially Integrated Social Science: \$1500
- 2005 Selected Participant, National Science Foundation sponsored CSISS Workshop, Spatial Analysis for the Undergraduate Social Science Curriculum, University of California Santa Barbara.
- 2004-2005 Spatial Perspectives on Analysis Curriculum Enhancement (SPACE) Scholarship, Center for Spatially Integrated Social Science (CSISS): \$4000
- 2004 Selected Participant, National Science Foundation sponsored CSISS Workshop, GIS and Spatial Modeling for Use in Undergraduate Education, Ohio State University
- 2004 Rio Grande Chapter of the American Society for Photogrammetry & Remote Sensing Travel (ASPRS) Award: \$1000
- 2004 National Chapter of the American Society for Photogrammetry & Remote Sensing (ASPRS) Travel Award: \$500
- 2002-2008 Student Research Allocation Awards, University of New Mexico: \$3500

PEER-REVIEWED PUBLICATIONS

Richards-Risetto, H. (2017). "What can GIS + 3D mean for Landscape Archaeology?" *Journal of Archaeological Science* 84: 10-21. doi:10.1016/j.jas.2017.05.005. Contribution: 100%

Richards-Risetto, H. and J. von Schwerin (2017). "A Catch 22 of 3D Data Sustainability: Lessons in 3D Archaeological Data Management & Accessibility." *Journal of Digital Applications in Archaeology and Cultural Heritage*. 6: 38-48. doi:10.1016/j.daach.2017.04.005. Contribution: 60%

Richards-Risetto, H. (2017). "An Iterative 3D GIS Analysis of the Role of Visibility in Ancient Maya Landscapes: A Case Study from Copan, Honduras." *Digital Scholarship in the Humanities*, 32(2): ii195–ii212, <https://doi.org/10.1093/llc/fqx014> Contribution: 100%

Richards-Risetto, H., S. Sanford-Long, and J. Kirby-Miller (2016). "3D Tool Evaluation and Workflow for an Ecological Approach to Visualizing Ancient Socio-Environmental Landscapes: A Case Study from Copan, Honduras." *Digital Methods and Remote Sensing in Archaeology: Archaeology in the Age of Sensing* edited by M. Forte and S. Campana. Springer International Publishing Series: Quantitative Methods in the Humanities and Social Sciences. Contribution: 70%

von Schwerin, J., **H. Richards-Risetto**, F. Remondino, M. Grazia Spera, M. Auer, N. Billen, L. Loos, and M. Reindel (2016). "Airborne LiDAR Acquisition, Post-Processing and Accuracy-Checking for a 3D WebGIS of Copan, Honduras." *Journal of Archaeological Science Reports* 5: 85-104. doi:10.1016/j.jasrep.2015.11.005. Contribution: 40%

Richards-Risetto, H. and R. Plessing (2015). "Procedural Modeling for Ancient Maya Cityscapes: Initial Methodological Challenges and Solutions." *2015 Digital Heritage International Congress, Volume 2: 85-88*. IEEE Conference Publications. doi:10.1109/DigitalHeritage.2015.7419458. Contribution: 65%

Richards-Risetto, H. and K. Landau. (2014). "Movement as a Means of Social Re(Production): Using GIS to Measure Social Integration in Urban Landscapes." *Journal of Archaeological Science* 41: 365-375. doi:10.1016/j.jas.2013.08.006. Contribution: 60%

Richards-Risetto, H. (2013). "From Mounds to Maps to Models: Visualizing Ancient Architecture across Landscapes." *2013 Digital Heritage International Congress, Volume 2: 519-522*. IEEE Conference Publications. doi:10.1109/DigitalHeritage.2013.6744820

Richards-Risetto, H., J. Robertsson, F. Remondino, G. Agugiaro, J. von Schwerin, and G. Galibri. (2013). "Geospatial Virtual Heritage: An Interactive, Gesture-based 3D GIS to Engage the Public with Ancient Maya Archaeology." *Archaeology in the Digital Era. Papers from the 40th Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), Southampton, 26-29 March 2012, p.118-130*. Amsterdam University Press, Amsterdam (ISBN 9789089646637)

von Schwerin, J., **H. Richards-Risetto**, F. Remondino, and G. Agugiaro. (2013). "The MayaArch3D Project: A 3D WebGIS for Analyzing Ancient Maya Architecture and Landscapes at Copan, Honduras." *Literary and Linguistic Computing* 28(4):736-753. doi: 10.1093/llc/fqt059

van der Elst, J. and **H. Richards-Risetto**. (2013). "Designing Geospatial Applications in Support of Traditional Agricultural Practices in Urban Settings. *Proceedings from Urban Agriculture: a Growing Field of Research Workshop, Interact 2013*, pp. 38-44. ISBN: 9780620585347

Wills, W., F. Scott Worman, W. Dorshow, and **H. Richards-Risetto**. (2012). "Shabik'eschee Village in Chaco Canyon: Beyond the Archetype." *American Antiquity* 77(2): 326-350. doi:10.7183/0002-7316.77.2.326

Richards-Risetto, H. (2012). "Studying Social Interaction at the Ancient Maya Site of Copán, Honduras: A Least Cost Approach to Configurational Analysis. *Least Cost Analysis of Social Landscapes: Archaeological Case Studies*, editors Devin A. White and Sarah Surface-Evans, pp. 194-231. University of Utah Press: Salt Lake City.

Richards-Risetto, H., J. Robertsson, F. Remondino, G. Agugiaro, J. von Schwerin, and G. Galibri. (2012). "Kinect and 3D GIS in Archaeology." *18th International Conference on Virtual Systems and Multimedia*, pp. 331-337. IEEE Conference Publications. doi: 10.1109/VSMM.2012.6365942

Agugiaro, G., F. Remondino, G. Girardi, J. von Schwerin, **H. Richards-Risetto**, and R. de Amicis. (2011). "QueryArch3D: Querying and Visualizing 3D Models of a Maya Archaeological Site in a Web-based Interface." *Geoinformatics FCE CTU Journal*, vol. 6, pp. 10-17, Prague, Czech Republic. ISSN: 1802-2669

van der Elst, J., **H. Richards-Risetto**, and J. Garcia. (2011). "Creating Digital Heritage Content: Bridging Communities and Mediating Perspectives." *Digital Culture and E-Tourism: Technologies, Applications and Management Approaches*, edited by M. Lytras, P. Ordonez De Pablos E. Damiani, and L. Diaz, pp. 139-157. Information Science Reference (IGI Global Publishing): Hershey and New York.

Santley, R. and **H. Richards**. (2007). "Rank-Size Analysis of Classic Period Settlement in the Tuxtla Mountains, Southern Veracruz, Mexico. *The Political Economy of Ancient Mesoamerica: Transformations during the Formative and Classic Period*, edited by Vernon L. Scarborough and John E. Clark, pp. 115-134. University of New Mexico Press: Albuquerque.

van der Elst, J., **H. Richards**, and V. Arias. (2006). "Employing Low-Budget Geospatial Methods in Cultural Resource Management. In *Recording, Modeling and Visualization of Cultural Heritage*, edited by E. Baltsavias, A. Gruen, L van Gool, and M. Pateraki, pp. 465-472. Taylor & Francis.

Arias, V., T. Runge-Kuntz, **H. Richards**, J. van der Elst, and R. P. Watson. (2004). "Documentation and Virtual Modeling of Archaeological Sites Using a Non-Metric Extreme Wide-Angle Lens Camera. *International Archives of Photogrammetry and Remote Sensing*, Vol. XXXV, Commission 5, Part B, ISPRS, Istanbul, Turkey.

OTHER SCHOLARLY PUBLICATIONS

Richards-Risetto, H. (2016). Book Review. "Toward Spatial Humanities: Historical GIS and Spatial History", Ian N. Gregory, Alistair Geddes (Eds.). Indiana University Press, Bloomington (2014). *Journal of Historical Geography* 52:128–129.

von Schwerin, **H. Richards-Risetto**, and F. Remondino. (2016). "Lidar Survey over Ancient Maya City: Improving Archaeological Maps and Identifying Hidden Structures." *GIM International*, Nov. 2016.

Billen, N., Loo L., Auer, M., Zipf, A. and **H. Richards-Risetto**. (2013). "Development of a 4D WebGIS for Archaeological Research." *Proceedings of 16th AGILE Conference on Geographic Information Science*, Workshop on Integrating 4D, GIS and Cultural Heritage, Leuven, Belgium.

Agugiaro, G., F. Remondino, G. Girardi, J. von Schwerin, **H. Richards-Risetto**, and R. De Amicis. (2011). "A web-based interactive tool for multi-resolution 3D models of a Maya archaeological site." *International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences*, vol. 38 (5/W16), pp. 23-30, doi: 10.5194/isprsarchives-XXXVIII-5-W16-23-2011.

von Schwerin J., **H. Richards-Risetto**, F. Remondino, G. Agugiaro, M. Forte, and R. Maqueda. (2011). "The MayaArch3D Project; Digital Technologies for Research in Maya Archaeology." *Final Performance Report and White Paper for NEH Digital Humanities Level II Start-Up Grant*.

von Schwerin, J., **H. Richards-Risetto**, F. Remondino, M. Sauerbier, H. Eisenbeiss, M. Forte, and A. Gruen. (2010). "Digital Documentation and Reconstruction of an Ancient Maya Temple and Prototype of Internet GIS Database of Maya Architecture." *Final Report to the NEH on the Digital Humanities Level I Start-Up Grant*.

Remondino, F., A. Gruen, J. von Schwerin, H. Eisenbeiss, A. Rizzi, S. Girardi, M. Sauerbier, **H. Richards-Risetto**. (2009). "Multi-Sensor 3D Documentation of the Maya Site of Copan." *Proceedings of 22nd CIPA Symposium*, Kyoto, Japan, Commission, V, WGV/4.

Richards-Risetto, H. (2007). "Exploring Social Dynamics at the Ancient Site of Copán, Honduras." *ESRI Professional Papers*, Paper 1475, San Diego, California.

van der Elst, J. and **H. Richards-Risetto**. (2007). "Rethinking Archaeological Practice and Representations of Space and Time." *ESRI Professional Papers*, Paper 1482, San Diego, California.

Richards, H., V. Arias, and J. van der Elst. (2006). "Developing Geospatial Literacy through Experiential Learning: A Close-Range Photogrammetry Module." *Proceedings of the ASPRS Annual Conference*, Reno, Nevada.

Runge-Kuntz, T., **H. Richards**, V. Arias, and J. van der Elst. (2004). "Using Aerial Photography and Geographic Information Systems for Spatial/Temporal Change-Detection Analyses of Historical Sites." *Proceedings of the ASPRS Annual Conference*, Denver, Colorado.

FIELD REPORTS

Richards-Risetto, H., G. Goodwin, and C. Juckette. (2017). "Preliminary Field Report: MayaCityBuilder, June 2017." Submitted to Instituto Hondureño de Antropología e Historia, Tegucigalpa, Honduras.

Richards-Risetto, H., R. Viel, M. Campbell, R. Dickerson, and T. Carney. (2016). "Informe Preliminar: MayaCityBuilder, Mayo 2016." Submitted to Instituto Hondureño de Antropología e Historia, Tegucigalpa, Honduras.

Richards-Risetto, H., S. Sterling, and R. Viel. (2015). "Informe Preliminar: MayaCityBuilder, Julio 2015." Submitted to Instituto Hondureño de Antropología e Historia, Tegucigalpa, Honduras.

Reindel, M., J. von Schwerin, **H. Richards-Risetto**, M. Lyons, and L. Stelson. (2013). "Informe Preliminar: MayaArch3D Project: Abril y Mayo, 2013". Submitted to Instituto Hondureño de Antropología e Historia, Tegucigalpa, Honduras.

PUBLICATIONS UNDER REVIEW AND IN PREPARATION

Richards-Risetto, H. In Review. "3D Archaeology: Conundrums of Data Access and Representation. *Archaeological Informatics Ethics in Practice: International Perspectives on Digital Methodologies and their Outcomes*", editors Joshua Wells and Doug Rocks-Macqueen, Springer Press.

Goodwin, G. and **H. Richards-Risetto**. In Review. "Modelling acoustics in ancient Maya cities: Moving towards a synesthetic experience using GIS & 3D Simulation." Submitted to *Proceedings 2017 Computer Applications & Quantitative Methods in Archaeology*.

Galeazzi, F. and **H. Richards-Risetto**. In Review. "Introduction--Web-based Archaeology: Where did we come from? Where are we now?" Submitted to *Journal of Field Archaeology*.

Galeazzi, F. and **H. Richards-Risetto** (editors). In Review. "Web-based infrastructure as a collaborative framework across archaeological fieldwork, lab work, and analysis." Special Issue for *Journal of Field Archaeology*.

H. Richards-Risetto. In Prep. "Measuring Targeted Visibility in Archaeological Landscapes: A Case Study from Copan, Honduras." To be submitted to *Journal of Archaeological Science Reports*.

Landau, K., **H. Richards-Risetto**, and M. Wolf. In Prep. "Tacking Back and Forth between 2D Maps, 3D Representations, and Excavation Data: Reflective Iteration as Archaeological Practice." To be submitted to *Journal of Archaeological Method and Theory*.

van der Elst, J., **H. Richards-Risetto**, and L. Diaz-Kommenen. In Prep. "Rural Sense: Value, Heritage, and Sensory Landscapes: Developing a Design-Directed Approach to Mapping for Healthier Landscapes."

Field, S., C. Heitman, and **H. Richards-Risetto**. In Prep. "A multi-scalar Least-Cost Analysis of Chacoan Roads as Transportation Networks".

INVITED LECTURES/PRESENTATIONS

2018 *Virtual Reality in Archaeology: Explorations of Ancient Maya Landscapes*. Nebraska Archaeological Institute of America (AIA), Joslyn Art Museum, Omaha, January 28, 2018.

2018 *Sights & Sounds—Mapping and Modeling Synesthetic Experiences in Ancient Maya Cities*. Humanities Research Center (HRC), Rice University, Houston, TX, January 18, 2018

2017 *Digitization to Dataization: Teaching Students How to Bring Archaeological Data to Life*. 116th Meeting of the American Anthropological Association, Washington, D.C., November, 2017.

2017 *Making 3D Models from Photos: Teaching Photogrammetry to Honduras' First Generation of Archaeologists*. Co-presenters: Graham Goodwin, Cole Juckette. UNL 2017 Fall Colloquium, Nov. 17, 2017

2017 *Challenges of 3D Digital Publication in the Humanities*. Cluster of Excellence, Asia and Europe in a Global Context, University of Heidelberg, Germany. May 17, 2017.

- 2017 *Digital Humanities—Shaping New Avenues of Scholarly Research*. Interdisciplinary Center for Scientific Computing (IDW Colloquium), University of Heidelberg, Germany, May 10, 2017.
- 2016 Key Note—*Researching Ancient Maya Urban Landscapes with Geospatial Technologies* at TruLife Network's (Pre-Columbian Tropical Urban Life: Placing the past in designs for sustainable urban futures) second workshop on 'Spatial Practice,' Leiden University, Netherlands, November 30-December 3, 2016.
- 2016 *3D Archaeology: Conundrums of Data Access and Representation*. Invited to present in session on "Open Archaeology: The Ethics of Sharing Heritage" at 8th World Archaeological Congress, Kyoto, Japan, August 2017.
- 2016 *What can GIS + 3D do for Landscape Archaeology?* Invited to present in symposium "Methodological Tool or Paradigm Shifter? Assessing the Status of GIS in Archaeological Research" at 81st SAA Meeting, Orlando, FL, April, 2016.
- 2016 *GIS & 3D Technologies for Explorations of Ancient Maya Landscapes*. Geography and Applied Ecology Seminars, University of Nebraska, Lincoln. Lincoln, NE, April 1, 2016
- 2016 *3D Explorations of Vision and Movement among the Ancient Maya*. James F. Ruffin Distinguished Lecturer in Fine Arts, Department of Art and Art History, Rhodes College, Memphis, TN, February 5, 2016.
- 2015 *A Catch 22: 3D Archaeological Data--Access to what and by whom?* Invited to a panel on "The Past, Now Showing in 3D", 48th Annual Chacmool Conference on "Shallow Pasts, Endless Horizons: Sustainability & Archaeology, Calgary, Canada, November 11-14, 2015. Co-author: Jennifer von Schwerin
- 2015 *3D GIS for Discourse, Analysis, and Interpretations of Ancient Maya Architecture and Landscapes*. Digital Humanities Seminar Series, Digital Humanities Institute and Hall Center, University of Kansas, Lawrence, KS, October 19, 2015.
- 2015 *Enter the Void: A GIS Analysis of the Visibility of Empty Spaces at Copan, Honduras*. Invited to present in Symposium on "Mind the Gap: Archaeological Approaches to Null Data Spaces" at Society for American Archaeology 80th Annual Meeting, San Francisco, CA. Co-authors: Justin King and Kristen Landau.
- 2015 *3D Reconstruction & Visualization: Challenges & Opportunities*. Invited to present in Diverse Digital Archaeologies Forum, (Sponsored by DDIG and CAA-NA). Society for American Archaeology 80th Annual Meeting, San Francisco, CA, April 2015.
- 2015 *Lessons in Translation: From Analog to GeoDigital*. Invited to present in a symposium on "Towards a Theory of Practice in Applied Digital Field Methods" at Computer Applications and Quantitative Methods in Archaeology Conference, Siena, Italy, March 30-Apr 3. Co-author: Kristin Landau
- 2015 *3D GIS*. Center for Digital Research in the Humanities Faculty Forum. Lincoln, NE, March 5.

- 2013 *A 3D GIS Exploration of an Ancient Maya Kingdom*. Carol Rifelj Faculty Lecture Series. Middlebury College, Vermont, Nov. 13, 2013.
- 2012 *Perspectives from Late Classic Copan, Honduras: Using GIS and 3D Technologies to Examine Spatial Order, Social Interaction, and Social Reproduction among the Ancient Maya*. Pre-Columbian Society of Washington D.C. Annual Symposium, U.S. Navy Memorial Naval Heritage Center, Washington, DC, September 15, 2012.
- 2011 *Integrating GIS and 3D Digital Tools for Research on Ancient Maya Architecture and Landscapes*. Humanities Lab, Lund University, Sweden, November 22, 2011.
- 2011 *GIS and Virtual Reality: Tools for Spatial Research in Maya Archaeology*. German Academic Exchange Service (DAAD) and University of Bonn, Germany, May 18, 2011.
- 2011 *Transforming 2D Maps into 3D Landscapes: Visualizing the Ancient Maya City of Copan, Honduras*. Department of Historical, Philosophical and Religious Studies, Umeå University, Sweden, April 15, 2011.
- 2010 *Geographic Information Systems (GIS): What Are They? What Do They Do? What Role Can They Play in the Digital Humanities?* HUMLab, Umeå University Sweden, October 16, 2010.
- 2009 *Mapping Local Food: Southeast Heights and South Valley, Albuquerque*. Southeast Heights Health Coalition Meeting, Albuquerque, NM, Aug. 27, 2009.

PROFESSIONAL CONFERENCE PRESENTATIONS

Richards-Rissetto, H. (2017) *Are All Memories Place-based? Evoking Memories of a 2200 Mile Thru-hike Along the Appalachian Trail*. Center States Anthropological Society Annual Meeting, Lincoln, NE, April, 2017.

Richards-Rissetto, H. (2017) *A Course on Digital Heritage Tools: A Reflexive, Engaging, and Ever-Changing Pedagogical Experience*. 82nd Annual Society for American Archaeology Meeting, Vancouver, Canada, March 2017.

C. Wills, B. Murphy and **H. Richards-Rissetto**. (2017) *A Three-Dimensional Reconstruction of the Pueblo Bonito Mounds*. Society for American Archaeology Meeting, Vancouver, Canada, March 2017.

Richards, Rissetto, H. (2017) *Challenges of Peer-Review: Where Does 3D Archaeological Scholarship Fall Under the Umbrella of Digital Humanities Scholarship?* Computer Applications in Archaeology, Atlanta, GA, March 2017.

Goodwin, G. and **H. Richards-Rissetto**. (2017) *Modeling Acoustics in Ancient Maya Cities: Moving Towards a Synesthetic Experience Using 3D Simulation*. Computer Applications in Archaeology, Atlanta, GA, March 2017.

Richards-Rissetto, H., S. Murray, and R. Shah. (2017) *Panel discussion on "New Directions in Humanities Teaching"*. Future of the Humanities Conference, Lincoln, NE, March 10, 2017.

Richards-Risetto, H. (2016) *An Iterative 3D GIS Analysis of the Role of Visibility in Ancient Landscapes*. Digital Humanities 2016 International Conference, Krakow, Poland, July 14, 2016.

Richards-Risetto, H., S. Bolan, and Z. Day. (2016) *MayaCityBuilder: Workflows for Integrating Georeferenced Multi-Format and Multi-Resolution Data to Explore Ancient Maya Cityscapes*. Advanced Challenges in Theory and Practice in 3D Modeling of Cultural Heritage Sites, NEH Summer Institute, UCLA, Los Angeles, CA, June 21, 2016.

Zachary, D. and **H. Richards-Risetto**. (2016) *Creating Interactive Landscapes with Multi-Method Modeling*. 81st Annual Society for American Archaeology Meeting, Orlando, FL, April 8, 2016.

Sterling, S., **H. Richards-Risetto**, and R. Viel. (2016) *Past meets Future: Combining GIS, 3D Technologies, and Legacy Data to Reanalyze Ceramics at Copan, Honduras*. 81st SAA Meeting, Orlando, FL, April 8, 2016. (Poster)

Richards-Risetto, H. (2016) *MayaCityBuilder Project*. Digital Archaeology Lightning Talks. Society for American Archaeology 81st Annual Meeting, Orlando, FL, April 2016.

Richards-Risetto, H. (2015) *Challenges for 3D Reconstruction & Visualization in Archaeology*. Panel member for Fall Symposium 2015-Computer Applications and Quantitative Methods in Archaeology, Granada, Spain, October 3, 2015.

Richards-Risetto, H. and R. Plessing. (2015) *Procedural Modeling for Ancient Maya Cityscapes: Initial Methodological Challenges and Solutions*. Digital Heritage International Congress 2015, Granada, Spain, October 1, 2015.

Diaz-Kommenen, L., **H. Richards-Risetto**, and J. van der Elst. (2015). *Designing Digital Tools for a Sustainable Semiosphere*. Fifteenth Annual Gathering in Biosemiotics. Aalborg University Copenhagen, Denmark, June 30-July 4, 2015.

Richards-Risetto, H. (2015) *MayaCityBuilder Project*. Lightning Talk, NEH Advanced Topics in the Digital Humanities Summer Institute, Advanced Challenges in Theory and Practice in 3D Modeling of Cultural Heritage Sites. University of Massachusetts, Amherst, MA, June 28, 2015.
<https://vimeo.com/132235634>

Richards-Risetto, H., M. Auer, J. von Schwerin, and N. Billen. (2015). *A 3D Landscape Analysis of Stelae Visibility at Copan, Honduras*. Society for American Archaeology 80th Annual Meeting, San Francisco, CA, April 2015.

Richards-Risetto, H. (2015). *MayaArch3D Project*. Digital Archaeology Lightning Talks. Society for American Archaeology 80th Annual Meeting, San Francisco, CA, April 2015.
<http://digitalarchaeology.msu.edu/saa2015-lightning/projects/>

Auer, M., **H. Richards-Risetto**, J. von Schwerin, N. Billen, L. Loos, and A. Zipf. (2015) *MayaArch3D: Web-based 3D Visibility Analyses in Ancient Cityscapes – the Role of Visible Structures at the Maya Site of Copan, Honduras*. Computer Applications and Quantitative Methods in Archaeology, Siena, Italy, March 30-April 3.

von Schwerin, J., M. Auer, N. Billon, L. Loos, **H. Richards-Risetto**, M. Reindel, A. Zipf, F. Remondino, B. Jemenz Fernandez Palacios. (2015) *A 4DWebGIS for the Documentation and Analysis of Complex Archaeological Sites*. Computer Applications and Quantitative Methods in Archaeology, Siena, Italy, March 30-April 3.

Richards-Risetto, H. (2015) *3D GIS in Archaeology*. Faculty Forum, Center for Digital Research in Humanities, University of Nebraska, Lincoln, NE, March 5.

Richards-Risetto, H., Shona Sanford-Long, and Jack Kerby-Miller (2014). *Visualizing Socio-Environmental Landscape Dynamics: A Case Study from Copan, Honduras*. Age of Sensing 5th International Conference on Remote Sensing in Archaeology, Duke University, Durham, NC, October 12-15, 2014.

Richards-Risetto, H., J. von Schwerin, M. Reindel, M.G. Spera and F. Remondino. (2014) *LiDAR Applications for Landscape Archaeology: A Case Study from Copan, Honduras*. Paper presented at 79th Annual Society for American Archaeology Meeting, Austin, TX, April 23-27, 2015.

Landau, Kristin, **H. Richards-Risetto**, and M. Wolf. (2014) *Tacking Back and Forth: Using 3D Tools to Guide Archaeological Excavation, Analysis & Interpretation*. 79th Annual Society for American Archaeology Meeting, Austin, Texas, April 23- 27, 2015.

von Schwerin, J., M. Reindel, and **H. Richards-Risetto**. (2014) *The MayaArch3D Project: An Open Source 3DWebGIS for Archaeological Research*. Paper presented at 79th Society for American Archaeology Meeting, Austin, TX, April 23-27, 2015.

Richards-Risetto, H. and K. Landau. (2013) *Measuring Mobility in Ancient Urban Landscapes: A GIS Approach to Social Interaction*. Chacmool Conference on "Trading Spaces: The Archaeology of Interaction, Migration, and Exchange," University of Calgary, Canada, November 7-9, 2013.

Richards-Risetto, H. (2013) *From Mounds to Maps to Models: Visualizing Ancient Architecture across Landscapes*. Digital Heritage International Congress, Marseille, France, Oct 28-Nov 1, 2013.

Richards-Risetto, H. and J. von Schwerin. (2013) *Exploring the Value of 3D Landscape Visualizations for Investigations of Ancient Maya Socio-Environmental Dynamics*. International Workshop on "Socioenvironmental Dynamics Over Last 12,000 Years: The Creation of Landscapes III", Kiel, Germany, April 17, 2013.

Richards-Risetto, H., J. Robertsson, F. Remondino, G. Agugiaro, J. von Schwerin, and G. Galibri (2012) *Kinect and 3D GIS in Archaeology*. 18th International Virtual Systems and MultiMedia Conference, Milan, Italy. September 2-5, 2012.

von Schwerin, J., **H. Richards-Risetto**, G. Agugiaro, F. Remondino, and G. Galibri. (2012) *The MayaArch3D Project: A 3D GIS Web System for Querying Ancient Architecture and Landscapes*. Paper Digital Humanities 2012 Conference, University of Hamburg, Germany, July 16-22, 2012.

Richards-Risetto, H., J. Robertsson, F. Remondino, G. Agugiaro, J. von Schwerin, G. Galibri, and M. Forte. (2012) *Hands-Off: Using Kinect to Query the Ancient Maya City of Copan, Honduras*. Computer Applications and Quantitative Methods in Archaeology, University of Southampton, UK, March 26-30.

von Schwerin, J., **H. Richards-Risetto**, G. Agugiaro, R. Remondino, and G. Galibri. (2012) *QueryArch3D: A 3D WebGIS System Linking 3D Visualizations to Archaeological Data*. Computer Applications and Quantitative Methods in Archaeology, University of Southampton, UK, March 26-30.

H. Richards-Risetto and J. von Schwerin. (2011) *Visualizing Copan: 3D Perspectives from an Ancient City*. 76th Annual Meeting of the Society for American Archaeology, Sacramento, California, April 11, 2011.

von Schwerin, J., **H. Richards-Risetto**, F. Remondino, and G. Agugiaro. (2011) *3D Patrimonio Cultural en Copán, Honduras*. VIII Congreso Centroamericano de Antropología, Los Retos de la Antropología en Centroamérica: Identidades, Diversidad Cultural y Procesos Políticos, Tegucigalpa, Honduras, February 24, 2011.

Richards-Risetto, H. (2010) *The 3D Copan Project: Integrating Digital Technologies for Ancient Maya Architecture and Landscape Studies*. Media Places Conference, HUMlab, Umeå University, Sweden, December 9, 2010.

Richards-Risetto, H. and K. Landau. (2010) *Social Inequality at Late Classic Copán, Honduras: Modeling Mobility in GIS*. 109th American Anthropological Association Annual Meeting, New Orleans, LA, November 18, 2010.

van der Elst, J. and **H. Richards-Risetto**. (2010) *What Role can Geospatial and Virtual Technologies Play toward Reaching Multisensoral and Multicultural Heritage Management?* SMARTdoc: Heritage Recording and Information Management in the Digital Age, University of Pennsylvania, PA, November 1-20, 2010. (Poster)

von Schwerin, J., **H. Richards-Risetto**, F. Remondino, and G. Agugiaro. (2010) *Querying 3D Models: A Prototype for a 3D Web GIS Database of Maya Temple Architecture*. D-Rekonstruktionen als Visualisierung wissenschaftlicher: Ergebnisse in Archäologie und Architekturgeschichte, Institut Morphomata, Universität Köln, Germany, November 19, 2010.

van der Elst, J. and **H. Richards-Risetto**. (2010) *Rethinking Digital Data Collection and Dissemination from a User Perspective*. 75th Annual Meeting of the Society for American Archaeology (SAA) in St. Louis, MO, April 15, 2010.

Garcia, J., J. van der Elst, A. Ballard, **H. Richards-Risetto**, and J. Maestas. (2009). *Traditional Water Rights and the Use of GIS*. ESRI 2009 Education User Conference in San Diego, CA, July 11-14, 2009.

Richards-Risetto, H. (2009). *Studying Social Interaction at the Ancient Maya Site of Copán, Honduras: A Least-Cost Approach to Configurational Analysis*. 74th Annual Meeting of the Society for American Archaeology (SAA) in Atlanta, GA, April 23, 2009.

Richards-Risetto, H. (2009) *Exploring the Multi-Functionality of Geographic Information Systems (GIS): Data, Analysis and 3D Visualization at Copán, Honduras*. National Endowment for the Humanities and UNESCO-sponsored workshop "3D Archaeology and Cultural Heritage Management in Honduras", Copán Ruinas, Honduras, April 18-19, 2009.

Richards-Risetto, H. (2008) *Using GIS to Study Access and Visibility at Copán, Honduras: Methodological Implications*. New Mexico Geographic Information Council (NMGIC) Fall Meeting, Albuquerque, NM, November 8, 2008.

Richards-Rissetto, H. (2008) *Using GIS to Study Ancient Social Interaction at Copán, Honduras*. Southwest Users Group Conference (SWUG 2008), Laramie, WY, October 23, 2008.

Richards-Rissetto, H. and J. van der Elst. (2007) *Exploring Social Dynamics at the Ancient Site of Copán, Honduras*. ESRI 2007 International User Conference in San Diego, CA, June 20, 2007.

Richards-Rissetto, H. (2007) *Manipulating Movement: A Geographic Information System (GIS) Study of Social Dynamics at Late Classic Copán, Honduras (AD 750-820)*. 72nd Annual Meeting of the Society for American Archaeology (SAA) in Austin, TX, April 2006.

Richards, H., V. Arias, and J. van der Elst. (2006) *Developing Spatial Thinking in Archaeology through GeoScience*. 71st Annual Meeting of Society for American Archaeology, San Juan, Puerto Rico, April 2006

Richards, H., V. Arias, and J. van der Elst. (2006) *Developing Geospatial Literacy through Experiential Learning: A Close-Range Photogrammetry Module*. 2006 American Society for Photogrammetry & Remote Sensing Annual Conference, Reno, NV, May 2006.

Ahlfeldt, J., **H. Richards**, and L. Ackley. (2006) *Representing Maya Architecture: Techniques for Research and Education*. 71st Annual Meeting of the Society for American Archaeology (SAA) in San Juan, Puerto Rico, April 2006.

Richards, H., J. van der Elst, and V. Arias. (2005) *Using Aerial Photography, Geographic Information Systems, and 3D Visualization to Assess the Effects of Urbanization on Historical Sites*. Conference on Computers in Urban Planning and Urban Management, London, June 2005. (Poster)

Richards, H., J. van der Elst, V. Arias, T. Watson, and R. P. Watson. (2005) *Advances in Close-range Photogrammetry for Archaeological Site Documentation, Modeling, and Analysis*. 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, UT, March 31.

Richards, H., J. van der Elst, V. Arias, and T. Runge-Kuntz. (2004) *Using Visualization and 3D Modeling for Documentation and Preservation Efforts at Salinas Missions Pueblo Monument*. 77th Pecos Conference, UT, August 13.(Poster)

van der Elst, J., L. Suchy, and **H. Richards**. (2005) *Using Hydrologic Models to Study Erosion Dynamics for Cultural Resource Management*. AWRA Annual Water Resources Conference, Seattle, WA, November 9.

van der Elst, J., **H. Richards**, and V. Arias. (2005) *Employing Low-Budget Geospatial Methods in Cultural Resource Management*. ASCONA workshop on Recording, Modeling and Visualization of Cultural Heritage, Switzerland, May 2005.

van der Elst, J., **H. Richards**, and V. Arias. (2005) *Integrating Geospatial Perspectives in the Anthropology Curriculum at the University of New Mexico*. University of New Mexico 10th Annual Anthropology Graduate Student Union (AGSU) Symposium, Albuquerque, NM, March 25.

Santley, R. and **H. Richards**. (2004) *Rank-size Analysis of Classic Period Settlement in the Tuxtla Mountains of Southern Veracruz, Mexico*. 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada, April 2.

Arias, V., T. Runge-Kuntz, **H. Richards**, J. van der Elst, and R. Watson. (2004) *Documentation and Virtual Modeling of Archaeological Sites Using a Non-Metric Extreme Wide-Angle Lens Camera*. XX Congress of the International Society for Photogrammetry & Remote Sensing, Istanbul, Turkey, July 22.

Runge-Kuntz, T., **H. Richards**, V. Arias, and J. van der Elst. (2004) *Using Aerial Photography and Geographic Information Systems for Spatial/Temporal Change-Detection Analyses of Historical Sites*. 2004 American Society for Photogrammetry and Remote Sensing Conference, Denver, CO, May 26.

van der Elst, J., **H. Richards**, V. Arias, and T. Runge-Kuntz. (2004) *Exploring Community-Based Cemeteries: Using Geographic Information Systems and Aerial Photography*. 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada, April 3.

van der Elst, J., **H. Richards**, and V. Arias. (2004) *Prehistoric Water Control Features and their Function in the Casas Grandes Region, Northern Mexico: A GIS Approach*. 2004 American Water Resources Association Annual Conference, Orlando, November 3.

Richards, H. (2003) *Deconstructing the Architectural Palimpsest at the Ancient Maya Center of Copan, Honduras*. 68th Annual Meeting of Society for American Archaeology, Milwaukee, WI, April 5.

Richards, H., V. Arias, J. van der Elst, and T. Range-Kuntz. (2003) *Community-Based Cemeteries: A Changing Perspective*. New Mexico Geographic Information Council (NMGIC) Meeting, Albuquerque, NM, November 22. (Poster)

Richards, H. (2003) *Directing Transmission of the Dominant Ideology through the Placement of Freestanding Monuments at the Ancient Maya Site of Copán, Honduras*. University of New Mexico 8th Annual Anthropology Graduate Student Union (AGSU) Symposium, Albuquerque, NM, March 22.

Richards, H. (2002) *A Phenomenological Study of Remembering a 2100-Mile Adventure along the Appalachian Trail*. University of New Mexico 7th Annual Anthropology Graduate Student Union (AGSU) Symposium, Albuquerque, NM, April 5.

CHAIR/DISCUSSANT/ORGANIZER AT PROFESSIONAL MEETINGS

- 2018 Co-Chair, CAA-NA Sponsored Session on *Analog vs. Digital: Is Digital Always Better?* 83rd Society for American Archaeology Meeting, Washington, DC. April 2018. Co-chairs: Lisa Fischer, Jamestown Discovery Center and Katie Simon, CAST, University of Arkansas
- 2018 Co-Chair, Panel on *Cityscapes and Landscapes: Benefits & Challenges of 3D Visualization & Analysis*, 83rd Society for Society for American Archaeology Meeting, Washington, D.C. April 2108. Co-chair: Elaine Sullivan, UC Santa Cruz.
- 2018 Discussant—Forum on *Women in GIS and Remote Sensing*. 83rd Society for Society for American Archaeology Meeting, Washington, DC. April 2018
- 2017 Discussant – *Expanding the Literal and Virtual Field: New Trends in Archaeology*. Center States Anthropological Society Annual Meeting 2017, Lincoln, NE, April 6, 2017.
- 2017 Co-Chair, "*Challenges in 3D Archaeology*." Panel at Society for American Archaeology Meeting, Vancouver, Canada. Co-Chairs: Rachel Opitz, USF and Elaine Sullivan, UC Santa Cruz.

- 2017 Co-Chair, NEH Sponsored Session on "*Advanced Challenges in Theory and Practice in 3D Modeling of Cultural Heritage*" at 2017 Computer Applications and Quantitative Methods (CAA). Co-chairs: Alyson Gill, UMASS Amherst and Lisa Snyder, UCLA.
- 2017 Co-Chair, Session on "*Exploring the Symbiotic Relationships of Archaeology and Spatial Humanities*" at 2017 Computer Applications and Quantitative Methods (CAA). Co-chair: Armin Volkmann, University of Heidelberg, Germany.
- 2017 Co-Chair, Session on "*Web-Based Infrastructure as a Collaborative Framework across Archaeological Fieldwork, Lab Work, and Analysis*" at 2017 Computer Applications and Quantitative Methods (CAA). Co-chair: Fabrizio Galeazzi, University of York, United Kingdom.
- 2015 Co-Chair, "*Computer Applications and Quantitative Methods Session*" Fall Symposium, Digital Heritage International Congress 2015, Granada, Spain. Co-chair: Lisa Fisher, Colonial Williamsburg, Virginia.
- 2015 Co-Chair, "*MayaArch3D Project Symposium*" at Society for American Archaeology 80th Annual Meeting, San Francisco, CA. Co-Chairs: Markus Reindel and Jennifer von Schwerin, German Archaeological Institute, Bonn, Germany.
- 2015 Co-Organizer, "*Digital Humanities Nebraska Forum 2015*", University of Nebraska-Lincoln. Lincoln, NE. Co-organizer: Carrie Heitman, UNL
- 2014 Chair, Session on "*GIS & Sensing*", 5th International Conference on Remote Sensing in Archaeology, Duke University, Durham, NC.
- 2014 Co-Chair, "*3D Tools for Archaeological Research in the Ancient Americas*", Symposium at 76th Meeting of the Society for American Archaeology, Austin, TX. Co-chair: Jennifer von Schwerin, German Archaeological Institute, Bonn, Germany.
- 2009 Organizer & Participant, Workshop on "*3D Archaeology and Cultural Heritage Management in Honduras*," Copán Ruinas, Honduras, April, 2009.
- 2009 Organizer, Public lecture and workshop by Dr. Maurizio Forte (UC Merced) on "*Virtual Reality, Archaeology, and Public Education*" and a workshop on "*Virtual Reality and Scientific Discourse*," September 21-22, 2009, University of New Mexico, Albuquerque, NM.
- 2009 Discussant, "*Moving off Campus: Cross-Subfield Student Projects in Public Anthropology*," Society for Applied Anthropology Annual Meeting, Santa Fe, NM.
- 2008 Organizer, Workshop on "*Mapping Traditional Water Systems in New Mexico Communities*," April 26 2008, School of Architecture & Planning, University of New Mexico, Albuquerque, NM.
- 2008 Organizer & Instructor, "*South Valley Acequia Association*"-Central New Mexico Community College-University of New Mexico Mapping Project. Albuquerque, NM.
- 2007 Chair & Participant, "*Geographic Information Systems in Archaeology*", 72nd Meeting of the Society for American Archaeology, Austin, TX.
- 2007 Organizer, Copán Field School Student Exhibition "*Copán Connections*", Department of Art and Art History, University of New Mexico, Albuquerque, NM.
- 2006 Chair & Participant, SPACE-sponsored session "*Integrating Geospatial Perspectives in Education and Archaeology*," 71st SAA Annual Meeting in San Juan, Puerto Rico.
- 2006 Organizer/Participant, "*Geospatial Perspectives and Education in the Social Sciences*," American Society for Photogrammetry & Remote Sensing 2006 Conference, Reno, NV.

COURSES TAUGHT

University of Nebraska-Lincoln

ANTH 387/887	GIS in Archaeology (G/UG)
ANTH 386/886	Digital Heritage Tools (G/UG)
ANTH/ETHN/LAMS 237	Ancient Mesoamerica (G/UG)
ANTH 436/836, LAMS 436	Ancient Maya (G/UG)
ANTH/GEOG/HIST/CLAS 461/861	Geospatial Approaches in Digital Humanities & Social Sciences

Universidad Nacional Autónoma de Honduras

Summer (3-weeks)	Terrestrial Photogrammetry for Cultural Heritage (G/UG)
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Middlebury College

GEOG 120	Fundamentals of GIS (UG)
GEOG 327	Archaeological Landscapes: GIS & 3D Technologies (UG)

Umeå University (Sweden)

Short Course	Introduction to ArcGIS 10: Map Making for the Humanities
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University of New Mexico

UNIV 101	Art as Human Expression (UG)
ANTH 121L	Archaeological Method and Theory (UG)
ANTH 230	Mapping Local Food (UG)
ANTH 322	Mesoamerican Prehistory (UG)
ANTH 373	Geospatial Analysis in Archaeology (UG)
ANTH 420	Archaeology of the Ancient Maya City of Copan (UG)

Central New Mexico Community College

GIS 2196	Mapping New Mexico's Acequias (UG)
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EDITORIAL EXPERIENCE

Ad hoc reviewer: *Journal of Archaeological Science*, *Journal of Archaeological Science Reports*, *Digital Humanities Quarterly*, *National Geographic*, *Journal of Digital Earth*, *Leonardo*, *German Academic Exchange (DAAD)*, *Computer Applications in Archaeology & Quantitative Methods*, *Journal of Archaeology and Education*, *Frontiers in Digital Humanities: Digital Archaeology*, *Digital Humanities Conference Abstracts*, *Quaternary International*, *Advances in Polish Remote Sensing and Computer Applications in Archaeology*

FIELD AND RESEARCH EXPERIENCE

2017-present	Project Director, Keeping Data Alive: Supporting reuse and repurposing of 3D data in the humanities
2016-2017	Project Director, Experimental TL and OSL Dating of ceramics at Copan, Honduras
2015-present	Project Director, MayaCityBuilder Project
2009-2015	GIS Director, MayaArch3D Project (www.mayaarch3d.org)
2005-2010	Doctoral Research, Copan GIS Project

- 2009-2010 GIS Specialist, Chaco Stratigraphy Project, Anthropology, University of New Mexico
- 2009-2010 GIS Specialist, Office of Contract Archaeology, University of New Mexico
- 2009 GIS Specialist, Virtual Embudo Project, School of Architecture & Planning, University of New Mexico, Director: Tim Castillo
- 2007 Field Supervisor, El Cholo Archaeological Project, Costa Rica. Excavation and mapping. Director: Roberto Herrera, University of New Mexico (summer)
- 2002-2007 GIS Specialist, Division of Government Research, University of New Mexico
- 2005 Research Assistant, University of New Mexico Art History Field School, Copan (summer)
- 2002-2004 GIS Specialist, US Geological Survey Water Resources Division, New Mexico
- 2002 Mapping Specialist, National Park Service, Anthropology Projects, New Mexico (summer)
- 2001 Field Supervisor, Galindo Archaeological Project (GAP), Peru. Director: Gregory Lockard, University of New Mexico (summer)
- 2000 Field Supervisor, Programme for Belize Archaeological Project, University of Texas at Austin (summer)
- 1999 Field Assistant, El Proyecto Mirón, Ramales de la Victoria, Cantabria, Spain. Directors: Dr. Lawrence Straus, University of New Mexico and Prof. Manuel González Morales, Universidad de Cantabria (summer)

PROFESSIONAL DEVELOPMENT

- 2017 Spring 2017. INFO 1214 Program Design and Problem Solving, Southeast Community College, Lincoln, NE (4 credits)
- 2017 Spring 2017. INFO 1431 Web Page Fundamentals, Southeast Community College, Lincoln, NE (3 credits)
- 2016 Broader Impacts Workshop, September 23, 2016, University of Nebraska-Lincoln.
- 2016 Fall 2016 Teaching and Learning Symposium, October 7, 2016, University of Nebraska-Lincoln.
- 2016 Spring 2016 Teaching and Learning Symposium, April 1, 2016, University of Nebraska-Lincoln.
- 2015 Full-day Workshop on "Developing a Mixed Reality Interactive Applications for Cultural Heritage", 2015 International Digital Heritage Conference, Granada, Spain.

PROFESSIONAL ASSOCIATIONS

- 2000- Present Society for American Archaeology (SAA)
- 2012- Present Computers Applications and Quantitative Analysis in Archaeology (CAA)
- 2012- Present Pre-Columbian Society of Washington, DC
- 2014- Present Digital Data Interest Group (DDIG), Society for American Archaeology
- 2015- Present Nebraska Association of Professional Archaeologists (NAPA)
- 2015- Present Archaeological Institute of America (AIA)
- 2017- Present Association for Computers and the Humanities

PROFESSIONAL SERVICE AND OUTREACH

Department

- 2017 Organizer, Research Council Distinguished Lecturer, Dr. Cecil Lewis, for Anthropology Fall Colloquium, Sept 18-19, 2017
- 2017-Present Curriculum Committee, Department of Anthropology
- 2015-Present Information/Web Committee, Department of Anthropology
- 2014-Present Archaeological Board, Department of Anthropology
- 2014-Present Digital Anthropology Lab Committee, Department of Anthropology
- 2014-Present Social Media Committee, Department of Anthropology
- 2014 Math Day Anthropology Representative, UNL

Center for Digital Research in the Humanities

- 2016 Committee Member, Center for Digital Research in the Humanities Academic Program Review Research Committee, University of Nebraska-Lincoln
- 2014-2016 Organizer/Participant, 3D Time Travel Expo, Center for Digital Research in Humanities, University of Nebraska-Lincoln.
- 2015 Speaker, Workshop on 3D Methods in Humanities, Center for Digital Research in the Humanities Workshop Series, University of Nebraska-Lincoln
- 2015 Co-Organizer/Co-Chair, 8th Annual Digital Humanities Nebraska Forum 2015, April 9-10, 2015, UNL

College

- 2017 Co-Leader Panel Discussion "New Directions in Humanities Teaching", Future of the Humanities Symposium, UNL, March 9-11, 2017
- 2015-2017 Mentor, University of Nebraska-Lincoln Undergraduate Creative Activities and Research Experience (UCARE)
- 2016 Faculty Search Committee Member, Archaeology Professor of Practice, College of Arts & Sciences, University of Nebraska-Lincoln

University

- 2017 Faculty Search Committee Member, Spatial Scientist (GIS), School of Natural Resources, University of Nebraska-Lincoln
- 2017 Faculty Judge, Undergraduate Posters, Spring Research Fair, University of Nebraska-Lincoln
- 2016-present Committee Member, Hubbard Lecture Committee, University of Nebraska State Museum
- 2016 Faculty Search Committee Member, Spatial Scientist (GIS), School of Natural Resources, University of Nebraska-Lincoln
- 2016 First Husker Research Tour, 3D Explore Lab, Anthropology
- 2016 Faculty Reviewer, Graduate Research Spring Fair Poster Session, University of Nebraska-Lincoln
- 2015 Guest Lecture Organizer, Dr. Christopher Fisher, Colorado State, Talk: LiDAR, Lost Cities, and Ancient Engineered Environments: Lessons for Modern Sustainability

- 2015 Faculty Representative, Achievement-Centered Education (ACE) 5 Year Review, University of Nebraska-Lincoln
- 2015 Mentor, Undergraduate Creative Activities and Research Experience (UCARE) Project, University of Nebraska-Lincoln
- 2015 Faculty Search Committee Member, Art & Art History, Assistant/Associate Professor in Graphic Design & Data Visualization, University of Nebraska-Lincoln

Profession

- 2016-present Scientific Committee Member, Computer Applications and Quantitative Methods in Archaeology (CAA)
- 2016-present General Secretary, Computer Applications and Quantitative Methods in Archaeology North America Chapter (CAA-NA)
- 2015-present Committee Member, Student Poster Committee, Society for American Archaeology
- 2012-present Reviewer, Proceedings of Conference on Computer Applications in Archaeology
- 2016 Task Force Member, Academic Tenure and Promotion, Society for American Archaeology
- 2015 Reviewers Board, Contributions in New World Archaeology
- 2014 Grant Proposal Review Panel, National Endowment for the Humanities
- 2014 Cartographer, "Sitio Maya de Copán: Plan de Manejo 2014-2020"- used for management of the UNESCO World Heritage Site of Copan, Honduras
- 2005-2006 President, Student Chapter of American Society for Photogrammetry and Remote Sensing (ASPRS), University of New Mexico
- 2005-2006 Secretary, Rio Grande Chapter, American Society for Photogrammetry and Remote Sensing (ASPRS)
- 2005 Founder, Student Chapter of American Society for Photogrammetry and Remote Sensing (ASPRS), University of New Mexico
- 2005 External Reviewer, A Place for GIS in the Liberal Arts, edited by D. S. Sinton and J. Lund, ESRI Press
- 2003-2004 Vice President, Anthropology Graduate Student Union (AGSU), University of New Mexico
- 2003-2004 Graduate Student Representative, 75th Anniversary Diamond Jubilee Committee, Department of Anthropology, University of New Mexico
- 2002-2003 Graduate Student Representative, Graduate and Professional Student Association, University of New Mexico

UNDERGRADUATE ADVISING

- Elizabeth Koenen, 2016-2017 UCARE Mentor, University of Nebraska, Lincoln
- Lauren Vagts, 2015-2016 UCARE Mentor, University of Nebraska, Lincoln
- Rachel Dickerson, 2015-2016 UCARE Mentor, University of Nebraska, Lincoln
- Rachel Dickerson, summer 2016 UCARE Mentor, University of Nebraska, Lincoln

Megan Campbell, summer 2016 UCARE Mentor, University of Nebraska, Lincoln
Stephanie Sterling, summer 2015 UCARE Mentor, University of Nebraska, Lincoln

Honors Program/Thesis/Independent Studies

Anna Ondrecek, 2017, Faculty Mentor for Ancient Mesoamerica course, Honors Program, University of Nebraska, Lincoln

Elizabeth Koenen, Undergraduate Honors Thesis, Spanish, University of Nebraska, Lincoln

Janette Avelar, 2015, Faculty Mentor for Ancient Mesoamerica course, Honors Program, University of Nebraska, Lincoln

Elizabeth Koenen, 2014, Faculty Mentor for Ancient Maya course, Honors Program, University of Nebraska, Lincoln

Chelsey Pounds, Anthropology, University of Nebraska, Lincoln

Kayla Schrif, Anthropology, University of Nebraska, Lincoln

GRADUATE ADVISING

Thesis Committee Chair

Anthropology

Ellis Cobb, Anthropology, Graduate Advisor and Thesis Committee Chair (2017-)

Cole Juckette, Anthropology, Graduate Advisor and Thesis Committee Chair (2017-)

Graham Goodwin, Anthropology, Graduate Advisor and Thesis Committee Chair (2017-)

Cynthia Hyland, Anthropology, Graduate Advisor and Thesis Committee Chair (2016-)

Brian Goodrich, Anthropology, Graduate Advisor and Thesis Committee Chair (2016-)

Thesis Committee Member

Anthropology

Rebecca Salem, Anthropology & Art History, MA Thesis Committee Member (2017-)

Sean Field, Anthropology, UNL, MA Thesis Committee Member (2015-2017)

Margaret Robinson, Anthropology, UNL, MA Thesis Committee Member (2014-2016)

Aaron Pattee, Anthropology, UNL, MA Thesis Committee Member (2014-2016)

Geography

Liangzi Zhang, Geography, UNL, MA Thesis Committee Member (2016-)

Glen Humpress, Geography, UNL PhD Thesis Committee Member (2016-)

History

Christy Hyman, History, UNL PhD Thesis Committee Member (2016-)

English

Emily Rau, English, UNL PhD Thesis Committee Member (2015-)

Independent Studies

Robert Bolin, Digital Humanities Certificate Program, UNL

Clayton Hanson, PhD History, UNL