

John J. Hicks

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Research Interests

Ecological Anthropology, Geoarchaeology, GIS and Remote Sensing,
Historical Archaeology, Colonial-Period Andes

Education

- Present PhD Candidate in Anthropology (Archaeology/GIS concentration),
University of Illinois at Chicago. Anticipated graduation: December 2020.
Dissertation Adviser: Patrick Ryan Williams, PhD (The Field Museum,
Chicago). Committee Members: Brian S. Bauer (UIC); Laura L. Junker, PhD
(UIC); Donna J. Nash, PhD (UNC Greensboro); Anna C. Roosevelt, PhD
(UIC).
- 2010 Master of Arts in Anthropology (Archaeology/GIS Concentration),
University of Illinois at Chicago.
- 2007 Bachelor of Arts in Anthropology, *Cum Laude*, Ohio University Honors
Tutorial College. Minor in Spanish, Certificates in GIS and Environmental
Studies.

Professional Experience

- 2018 Principal Investigator: *Proyecto de Investigación Arqueológica Colesuyo*
2018. Analysis of settlement and agricultural dynamics in the Torata Valley,
Peru during the late Inca and early Colonial periods. Methods include remote
sensing analysis, field excavations, and geochemical analysis of soils.
- 2016 - 2018 Graduate Instructor, UIC Department of Anthropology
- 2016 Archaeological Research Assistant: UAV (“Drone“) aerial photography, site
mapping with differential GPS, and Ground-Penetrating Radar (GPR) survey
and archaeological sites in the Department of Moquegua, Peru.
- 2015 Field Technician/Crew Chief: Illinois State Archaeological Survey (ISAS).
Phase I archaeological survey for the Forest Preserve District of Cook
County. Principal Investigator: Paula Porubcan Brantsner, RPA.
- 2015 Data Analyst: Chicago Area Geographic Information Study (CAGIS).
Geospatial and database management services for the Illinois Department of
Human Services, Department of Education, and other clients.

- 2014 Independent Researcher: "Portable X-Ray Fluorescence (pXRF) analysis of lithic materials from Easter Island (Rapa Nui)." The Field Museum Elemental Analysis Facility.
- 2014 Research Assistant: Field Museum Elemental Analysis Facility. Research included LA-ICP-MS analysis of archaeological materials (e.g. ceramics, metals). Tasks involved sample measurement, data processing, and generation of reports for clients. Supervisor: Laure Dussubieux, PhD.
- 2013 Research Assistant: UIC/Field Museum Joint Anthropology Program. Facilitated and supervised student analyses of archaeological ceramics from the Field Museum's Donald Collier Collection. Course instructor: Mitchel Hendrickson, PhD.
- 2013 Independent Researcher: Archival research and preliminary pedestrian survey of pre-colonial and colonial-period settlements and agricultural landscapes in the Tarata Valley, Department of Tacna, Peru.
- 2012 Research Assistant, The Field Museum Elemental Analysis Facility: pXRF analysis of soil from Moquegua, Peru, and basalt samples from the Titicaca Basin, Peru and Bolivia. Petrographic analysis of ceramic thin sections from Belgium. Supervisor: Mark Golitko, PhD.
- 2011 Independent Researcher: "Remote Sensing and Archaeological Reconnaissance of the Kichwa Environmental Zone of Southern Peru." Pilot dissertation research funded by The Field Museum and the UIC Department of Anthropology.
- 2010 Supervisor/Crew Chief: *Proyecto Arqueológico Cerro Baúl 2010*. Supervised excavation of a residential structure and patio at the Tumulaca La Chimba site in Moquegua, Peru. Principal Investigators: Patrick Ryan Williams, PhD. and Nicola O. Sharratt, PhD.
- 2009 Archaeological Technician: Illinois State Archaeological Survey (ISAS). Phase I and II archaeological survey for IDOT transportation improvement projects in northern Illinois.
- 2009 Supervisor/Crew Chief: *Proyecto Arqueológico ACME 2009*. Excavation of residential structures and compilation of a GIS database for the Cerro Mejía site in Moquegua, Peru. Principal Investigator: Donna J. Nash, PhD.
- 2008 Archaeological Technician: ASC Group, Inc., Columbus, Ohio. Phase II archaeological surveys in Ohio and Indiana.

- 2007 Archaeological Intern: Dayton Society of Natural History, Dayton, Ohio. Excavation of the Wegerzyn site and reconstruction of model prehistoric houses at SunWatch Indian Village and Archaeological Park. Principal Investigator: William E. Kennedy, RPA.
- 2007 GIS Intern: Institute for Local Government Administration and Rural Development (ILGARD), Athens, Ohio. Database compilation, data mining, and file editing for Ohio University facilities management, the City of Athens, and other clients.
- 2006 Archaeological Technician: BHE Environmental, Inc., Cincinnati, Ohio, December 2006. Phase II archaeological survey at Fort Campbell, Clarksville, TN. Principal Investigator: Rob Patton, PhD.
- 2004 Field School Student: Ohio University Archaeological Field School, Athens, Ohio. Excavation of a Late Woodland period rock shelter site near Nelsonville, Ohio. Principal Investigator: Elliot M. Abrams, PhD.

Fellowships, Grants, and Awards

- 2018 DigitalGlobe Foundation Imagery Grant for “Colonialism, Disaster, and Recovery: the Agricultural Landscape of Southern Peru after the Huaynaputina Eruption, AD 1600.” Award provides 1,000 km² of high-resolution satellite imagery.
- 2017 Wenner-Gren Dissertation Fieldwork Award for "Volcanism and Vulnerability in the Early Colonial Period Agricultural Landscape of the South-Central Andes" **\$19,985**
- 2014 PhD Student Presenter Awards, UIC Graduate College, College of Liberal Arts and Sciences, and Graduate Student Council: **\$750**.
- 2013 PhD Student Presenter Awards, UIC Graduate College, College of Liberal Arts and Sciences, and Graduate Student Council: **\$975**.
- 2013 Provost’s Award for Graduate Research, UIC Graduate College. Awarded for “Archival Research on Colonial-Period Settlement and Demography in the Tarata Valley, Peru.” **\$2,000**.
- 2012 GeoEye Foundation Satellite Imagery Grant, GeoEye Foundation. “A Comparative Analysis of Agricultural Terrace Systems in the Kichwa Ecological Zone of Southern Peru.”
- 2011 Charles Reed Memorial Fund Award, UIC Department of Anthropology. Awarded for “Archival Research of Aerial Imagery and Geologic Maps of Moquegua and Tacna, Peru.” **\$800**.

- 2011 Anthropology Alliance Fieldwork Internship, The Field Museum. Awarded for "Remote Sensing and Archaeological Reconnaissance of the Kichwa Environmental Zone of Southern Peru." **\$2,000.**
- 2009 Anthropology Alliance Fieldwork Internship, The Field Museum. Awarded for "Household Excavations and Geophysical Prospecting at Cerro Mejía, Peru." **\$1,970.**
- 2008 Joshua T. Terry Graduate Award, UIC Department of Anthropology. Award given to second-year graduate students for outstanding achievements in academics. Amount: **\$1,000.**
- 2007 - 2016 Funded Graduate Assistantships, UIC Department of Anthropology.

Peer-Reviewed Publication

- 2008 Hicks, John J., Elliot M. Abrams, AnnCorinne Freter and Jeffery Ueland. "The Formation of Indigenous Sedentary Communities in the Monday Creek Tributary of the Hocking River Valley, Ohio: A GIS Archaeological Landscape Approach." *Pennsylvania Archaeologist* Vol. 78, No. 2.

Conference Presentations

- 2014 Hicks, John J. "Portable X-Ray Fluorescence (pXRF) Analysis of Obsidian Artifacts from Easter Island (Rapa Nui)." Original research poster presented at the Society for American Archaeology 79th Annual Meeting in Austin, TX.
- 2013 Hicks, John J. "Infrared Spectroscopy of Brewery Soils from Cerro Baúl, Peru: an Exploratory Analysis." Original research paper presented at the Society for American Archaeology 78th Annual Meeting, Honolulu, HI.
- 2012 Hicks, John J. and Lucy Burghardt. "Household Production of Obsidian Crafts at Cerro Mejía, Peru." Original research paper presented at the Society for American Archaeology 77th Annual Meeting, Memphis, TN.
- 2007 Hicks, John J. "A Geospatial Analysis of Settlement Patterns and Lineage Formation in Monday Creek, Southeastern Ohio." Original research poster presented at the Ohio University Research and Creativity Fair, Athens, OH.

Skills

- GIS, Remote Sensing, and Cartography ESRI ArcGIS for Desktop (9x and later); ERDAS Imagine (8.6 and later); Adobe CS3 (Acrobat, Photoshop, and Illustrator); Agisoft Photoscan Professional
- Other Software Microsoft Office (Word, Excel, PowerPoint, and Publisher); SPSS; EasyGPS; PhotoME; Google Earth Pro

Drone Photography	Equipment: DJI Phantom 2 Vision+, DJI Mavic Pro Software: DJI GO 4, DJI Assistant 2, Litchi, Ardupilot Mission Planner
GPS Mapping	TopCon GR-5 Differential GPS Receiver; Trimble GeoExplorer Series; Garmin handheld GPS
Portable XRF	Niton Gold+ Portable XRF; Innov-X DELTA Portable XRF
LA-ICP-MS	Varian Quadrupole ICP-MS with New Wave UP213 laser ablation system for solid sample introduction
IR Spectroscopy	Smiths IdentifyIR FTIR portable spectrometer with integrated 100x microscope and diamond attenuated total reflection sampling interface
GPR	Mala Geosciences RAMAC X3M control unit with XV monitor. Data processing with GroundVision 2 and ReflexW 7.8 software.

Service

2016	Co-Chair: 2016 Second City Anthropology Conference, hosted by the Graduate Anthropology and Geography Association. Theme: “Culture in Motion: Anthropological Perspectives on Movement, Interaction, and Exchange.” Funds raised: \$7,128 .
2014	Co-Chair: 2014 Second City Anthropology Conference, hosted by the Graduate Anthropology and Geography Association. Theme: “Difference, Disruption, and Resilience: Inquiries in the Anthropology of Change.” Funds raised: \$7,398 .
2013	Panel Moderator: “Constructing Past Communities,” Second City Anthropology Conference, hosted by the Graduate Anthropology and Geography Association.
2013	Chair: External Affairs Committee, Graduate Anthropology and Geography Association.
2012	Co-organizer, The 40th Annual Conference on Andean and Amazonian Archaeology and Ethnohistory, Sponsored by the Field Museum and the University of Illinois at Chicago, Departments of Anthropology, History, and the Latino Cultural Center.
2009	Co-organizer, UIC Anthropology Speaker Series, sponsored by the UIC Department of Anthropology.

Courses Taught as Graduate Instructor/TA

Survey of Geography (GEOG 100); Cultural Geography (GEOG 151);
Survey of Anthropology (ANTH 100); Cultural Anthropology (ANTH 101);
World Archaeology (ANTH 102); Human Evolution (ANTH 105);
Archaeological Field Techniques (ANTH 425)

Languages

English (native), Spanish (17 years), Portuguese (<1 year)

Organizations

Society for American Archaeology
Phi Beta Kappa