

Thomas G. Garrison

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Education

- 2007 Ph.D. in Anthropology, **Harvard University**, Cambridge, MA
2003 A.M. in Anthropology, **Harvard University**, Cambridge, MA
2000 B.A. in Anthropology, **Connecticut College**, New London, CT
Cum Laude, Graduated with honors and distinction in major
Spring 1999 College Semester Abroad in Oaxaca, Mexico. **School for International Training**,
Brattleboro, Vermont.

Professional Employment

- 2020-present **University of Texas at Austin**, Assistant Professor, Department of Geography and the Environment; Director, Lidar and Landscapes of the Ancient and Modern Americas (LLAMA) Laboratory
- 2020-present **University of Texas at Austin**, Affiliated faculty, Department of Anthropology
- 2017-2020 **Ithaca College**, Assistant Professor, Department of Anthropology
- 2014-2017 **University of Southern California**, Assistant Professor (Teaching), Department of Anthropology, Interdisciplinary Archaeology Major
- 2013-2017 **University of Southern California**, Affiliated faculty, Spatial Sciences Institute
- 2012-2014 **University of Southern California**, Lecturer, Department of Anthropology, Interdisciplinary Archaeology Major
- 2011-2012 **Brown University**, Adjunct Assistant Professor of Anthropology and Archaeology, Department of Anthropology/Joukowsky Institute for Archaeology and the Ancient World
- 2010-2011 **Umeå Universitet**, Sweden, Postdoctoral Fellow in the Digital Humanities and Archaeological Landscape Visualization, Humlab
- 2008-2010 **Brown University**, Postdoctoral Fellow in Anthropology and Archaeology, Department of Anthropology/Joukowsky Institute for Archaeology and the Ancient World

- 2008-2009 **Harvard University**, Lecturer, Department of Anthropology
- 2007-2008 **Brown University**, Postdoctoral Research Associate in Mesoamerican Archaeology, Department of Anthropology

Research Experience

- 2019–present **Proyecto Arqueológico del Sur de Tikal (PAST)**, Edwin Román, director
Advisor for lidar, GIS; Survey director
- 2017–present **Proyecto Arqueológico El Zotz, Fase III**, Thomas G. Garrison and Yeny Gutiérrez, directors
- 2016–present **Pacunam LiDAR Initiative**, Thomas G. Garrison, Marcello Canuto, and Francisco Estrada-Belli, Archaeology Advisory Committee (APLIC)
- 2012–2016 **Proyecto Arqueológico El Zotz, Fase II**, Thomas G. Garrison and Yeny Gutiérrez, directors
- 2014–2016 **Maya Aerial Technology Survey (MATS)**, Thomas G. Garrison and Albert Lin, directors
- 2014 **Native Diver Relocation Project**, Thomas G. Garrison and Sarah Newman, directors
- 2012–2013 **Pimu/Catalina Island Archaeological Project**, Wendy Teeter, director
Field school GPS survey leader
- 2011–2012 **Survey and Landscape Archaeology on Montserrat (SLAM)**, John F. Cherry and Krysta Ryzewski, directors
GIS and Remote Sensing Consultant
- 2008–2012 **Maya Wetlands Project**, Timothy Beach and Sheryl Luzzadder-Beach, directors
Settlement Pattern and Remote Sensing Consultant
- 2008–2011 **Maya Landscape Succession Project**, Stephen D. Houston, Thomas G. Garrison, Timothy Beach, Edwin Román, directors
- 2008–2012 **Petra Project**, Jordan, Martha Joukowsky and Susan Alcock, directors
GIS and Remote Sensing Consultant
- 2008–2009 **Harvard Forest Archaeological Project**, Noreen Tuross and Thomas G. Garrison, directors
- 2004–2009 **Proyecto Arqueológico de Cuauhtinchan**, William L. Fash, director
Surveyor and Laboratory Analyst (ceramics, fauna)
- 2002–2007 **Proyecto San Bartolo**, William A. Saturno, director
Settlement Pattern and Remote Sensing Investigations

July 2000 **Harvard Field School in Maya Archaeology and Epigraphy at Copán**, William L. Fash, director
Field school student

Summer 1999 **Belize Valley Archaeological Reconnaissance**, Jaime Awe, director
Field school student

April 1999 **Museo Na Bolom**, Chiapas, Mexico, Susanna Ekholm, supervisor
Ceramic analysis

Federal Grants (\$513,300)

2018–present *Military Origins in Mesoamerica*. **National Science Foundation**. Grant: 1821932 (\$137,575). PI

2018–present *Citadels and Surveillance: State Defense at the Classic Maya Fortresses of La Cuernavilla*. **National Endowment for the Humanities Collaborative Research Grant**. Grant: RZ-260752-18 (\$140,661). Co-PI with Stephen Houston

2009–2012 *Landscape Succession in Lowland Maya Archaeology*. **National Science Foundation**. Grant: 0840930 (\$235,064). Co-PI with Stephen Houston

Foundation Grants (\$577,610)

2019 *Definiendo el entorno sociocultural del Valle de Buenavista*. [Defining the Sociocultural Environment of the Buenavista Valley]. **PACUNAM**. (\$60,276). PI

2018 *Investigando la complejidad socio-política del Valle de Buenavista: El Zotz, El Palmar, y La Cuernavilla*. [Investigating Sociopolitical Complexity in the Buenavista Valley: El Zotz, El Palmar, and La Cuernavilla]. **PACUNAM**. (\$95,000). PI

2017 *Extendiendo el Reino de Pa'k'an: Exploraciones espaciales y temporales*. [Extending the Pa'k'an Kingdom: Spatial and Temporal Explorations]. **PACUNAM**. (\$75,000). PI

2016 *Los inicios de Pa'-Chan*. [The Beginnings of Pa'-Chan]. **PACUNAM**. (\$80,334). PI

2015 *Innovación y desarrollo en el Pa' Chan antiguo* [Innovation and Development at Ancient Pa' Chan]. **PACUNAM**. (\$75,000). PI

2014 *La vida y muerte real en Pa' Chan* [Royal Life and Death at Pa' Chan]. **PACUNAM** (\$70,000). PI

2014 Grant recipient. **GEOS Foundation**. (\$4,000).

2013 *City of the Sun: Monumental Art and Landscape at El Zotz, Guatemala*. **National Geographic Society Conservation Trust**. Grant: C233-13 (\$20,000). PI

2013 *Reyes, Poder, y Arte Monumental en El Zotz* [Kings, Power, and Monumental Art at El Zotz]. **PACUNAM**. (\$50,000). PI

- 2012 *Las Pirámides dinásticas de El Zotz, Guatemala* [The Dynastic Pyramids of El Zotz, Guatemala]. **PACUNAM**. (\$38,000). Co-PI with Stephen Houston, Jose Luis Garrido López, Edwin Román
- 2009 *Remote Sensing the Ancient Maya Landscape*. **Waitt Institute for Discovery**. Grant: W48-09 (\$10,000). PI

Internal Grants and Fellowships (\$105,685)

- 2013 *Monumental Art and Politico-Religious Authority at El Zotz, Guatemala*. USC Research Fellowship. **Interdisciplinary Research Group and Center for Religion and Civic Culture**. (\$3,500). PI
- 2010–2011 Kempe Foundation Fellowship. **HUMLab, Umeå Universitet**, Sweden. (200,000 SEK; \$30,185).
- 2006–2007 Doctoral Dissertation Completion Fellowship. **Graduate School of Arts and Sciences, Harvard University**. (\$18,000).
- 2001–2006 John G. Owens Fellow. **Dept. of Anthropology, Harvard University**. (\$50,000).
- 1999 International Internship Award for Research in Belize. **Center for International Studies and the Liberal Arts, Connecticut College**. (\$4,000).

Honors and Awards

- 2019 Department Merit Level 2. Department of Anthropology, Ithaca College
- 2018 Certificate of Appreciation for an outstanding contribution to the United States Dept. of Agriculture/Natural Resources Conservation Service's Diversity Day
- 2018 Dean's Merit. School of Humanities and Sciences, Ithaca College
- 2000 Claire Garber Goodman '54 Award for dedication to the values of anthropology. Dept. of Anthropology, Connecticut College
- 2000 Certificate received with honors from the Center for International Studies and the Liberal Arts, Connecticut College

Publications (122)

Books (4)

- Garrison, Thomas G., Jeffrey B. Glover, and Brent K. S. Woodfill (editors)
contracted *Oxford Handbook of the Maya*. Oxford University Press, New York.
- Garrison, Thomas G., and Stephen D. Houston (editors)
2018 *An Inconstant Landscape: The Maya Kingdom of El Zotz, Guatemala*. University Press of Colorado, Boulder. DOI:10.5876/9781607327646
- Scherer, Andrew K., and **Thomas G. Garrison** (editors)
proposed *Ancient Maya Kingdom and Conflict, Substance and Being*. University of Texas Press, Austin. Proposal under consideration, November 2019.

Houston, Stephen, Sarah Newman, Edwin Román, and **Thomas Garrison**

2015 *Temple of the Night Sun: A Royal Tomb at El Diablo, Guatemala*. Precolumbia Mesoweb Press, San Francisco, California.

Peer-Review Journal Articles (13)

Garrison, Thomas G., Stephen Houston, and James Doyle

in prep Lidar and Early Maya Landscapes: Urban Inversions at Tikal and El Palmar, Guatemala.
To be submitted to *Antiquity*, winter 2019–2020.

Gautier, Quentin, **Thomas G. Garrison**, Ferrill Rushton, Nicholas Bouck, Eric Lo, Peter Tueller, Curt Schurgers, and Ryan Kastner

2020 Low-cost 3D Scanning Systems for Cultural Heritage Documentation. *Journal of Cultural Heritage Management and Sustainable Development*, available online ahead-of-print.
DOI:10.1108/JCHMSD-03-2020-0032.

Garrison, Thomas G., Stephen Houston, and Omar Alcover Firpi

2019 Recentering the Rural: Lidar and Articulated Landscapes among the Maya. *Journal of Anthropological Archaeology* 53:133–146. DOI:10.1016/j.jaa.2018.11.005

Canuto, Marcello A.†, Francisco Estrada-Belli†, **Thomas G. Garrison**†, Stephen D. Houston, Mary Jane Acuña, Milan Kováč, Damien Marken, Philippe Nondédéo, Luke Auld-Thomas, Cyril Castanet, David Chatelain, Carlos R. Chiriboga, Tomáš Drápela, Tibor Lieskovský, Alexandre Tokovinine, Antolín Velasquez, Juan C. Fernández-Díaz, and Ramesh Shrestha

2018 Ancient Lowland Maya Complexity as Revealed by Airborne Laser Scanning of Northern Guatemala. *Science* 361:eaau0137. DOI:10.1126/science.aau0137

†Journal indicates these authors contributed equally to this work.

Luzzadder-Beach, Sheryl, Timothy Beach, **Thomas Garrison**, Stephen Houston, James Doyle, Steven Bozarth, Richard Terry, Jonathan Flood, and Samantha Krause

2017 Paleoecology and Geoarchaeology at El Palmar and the El Zotz Region, Guatemala. *Geoarchaeology* 32(1):90–106. DOI:10.1002/gea.21587

Garrison, Thomas G., Stephen D. Houston, Andrew K. Scherer, David Del Cid, Jose Luis Garrido López, and Ewa Czapiewska

2016 A Royal Maya Country House: Archaeology at Bejucal, Guatemala. *Journal of Field Archaeology* 41:532–549. DOI:10.1080/00934690.2016.1219213

Garrison, Thomas G., Dustin Richmond, Perry Naughton, Eric Lo, Sabrina Trinh, Zachary Barnes, Albert Lin, Curt Schurgers, Ryan Kastner, and Sarah E. Newman

2016 Tunnel Vision: Documenting Excavations in Three Dimensions with LiDAR Technology. *Advances in Archaeological Practice* 4(2):192–204. DOI:10.7183/2326-3768.4.2.192

Doyle, James A., **Thomas G. Garrison**, and Stephen D. Houston

2012 Watchful Realms: Multi-Scalar Cost Surface and Viewshed Analysis in the Southern Maya Lowlands. *Antiquity* 86(333):792–807. DOI:10.1017/S0003598X0004792X

Beach, Timothy, Sheryl Luzzadder-Beach, Richard Terry, Nicholas Dunning, Stephen Houston, and **Thomas Garrison**

2011 Carbon Isotopic Ratios of Wetland and Terrace Soil Sequences in the Maya Lowlands of Belize and Guatemala. *Catena* 85:109–118. DOI:10.1016/j.catena.2010.08.014

Garrison, Thomas G., Bruce D. Chapman, Stephen D. Houston, and Edwin Román

2011 Discovering Ancient Maya Settlements Using Airborne Radar Elevation Data. *Journal of Archaeological Science* 38:1655–1662. DOI:10.1016/j.jas.2011.02.031

Garrison, Thomas G.

2010 Remote sensing ancient Maya rural populations using QuickBird satellite imagery. *International Journal of Remote Sensing* 31(1):213–231. DOI:10.1080/01431160902882629

Garrison, Thomas G., and Nicholas P. Dunning

2009 Settlement, Environment, and Politics in the San Bartolo-Xultun Territory, El Peten, Guatemala. *Latin American Antiquity* 20(4):525–552. DOI:10.1017/S1045663500002868

Garrison, Thomas G., Stephen D. Houston, Charles Golden, Takeshi Inomata, Zachary Nelson, and Jessica Munson

2008 Evaluating the Use of IKONOS Satellite Imagery in Lowland Maya Settlement Archaeology. *Journal of Archaeological Science* 35:2770–2777. DOI:10.1016/j.jas.2008.05.003

Book Chapters (16)

Garrison, Thomas G.

in press Living in a Contested Landscape: Adapting Settlement Decisions in the Buenavista Valley, Peten, Guatemala. In *The Flexible Maya City: Attraction, Contraction, and Planning in Lowland Urban Dynamics*, edited by Damien B. Marken and M. Charlotte Arnauld. University Press of Colorado.

Garrison, Thomas G.

2020 Settlement Patterns. In *The Maya World*, edited by Scott Hutson and Traci Ardren, pp. 250–268. Routledge, Oxford.

Garrison, Thomas G., and Stephen Houston

2018 An Inconstant Landscape: Pa'ka'n in a Regional Context. In *An Inconstant Landscape: The Maya Kingdom of El Zotz, Guatemala*, edited by Thomas G. Garrison and Stephen Houston, pp. 361–381. University Press of Colorado, Boulder. DOI:10.5876/9781607327646.c013

Garrison, Thomas G.

2018 Embedded Heterarchies of the Maya: Political Structure and Interactions Inspired by Peer Polity Interaction. In *Regional Approaches to Society and Complexity*, edited by Alex R. Knodell and Thomas P. Leppard, pp. 246–267. Equinox, Bristol, Connecticut.

Houston, Stephen, and **Thomas G. Garrison**

- 2018 Preface. In *An Inconstant Landscape: The Maya Kingdom of El Zotz, Guatemala*, edited by Thomas G. Garrison and Stephen Houston, pp. xix–xii. University Press of Colorado, Boulder.

Houston, Stephen, **Thomas G. Garrison**, and Edwin Román

- 2018 A Fortress in Heaven: Researching the Long-Term at El Zotz, Guatemala. In *An Inconstant Landscape: The Maya Kingdom of El Zotz, Guatemala*, edited by Thomas G. Garrison and Stephen Houston, pp. 3–45. University Press of Colorado, Boulder.
DOI:10.5876/9781607327646.c001

Román, Edwin, **Thomas G. Garrison**, and Stephen Houston

- 2018 Ruling through Defense: The Rise of an Early Classic Dynasty at El Zotz. In *An Inconstant Landscape: The Maya Kingdom of El Zotz, Guatemala*, edited by Thomas G. Garrison and Stephen Houston, pp. 70–92. University Press of Colorado, Boulder.
DOI:10.5876/9781607327646.c003

Baines, John, Miriam Stark, **Thomas G. Garrison**, and Stephen Houston

- 2015 Cities as Performance Arenas. In *Early Cities in Comparative Perspective, 4000 BCE–1200 CE*, edited by Norman Yoffee, pp. 94–109. The Cambridge World History, Vol. 3. Cambridge University Press, Cambridge. DOI:10.1017/CHO9781139035606.007

Beach, Timothy, Sheryl Luzzadder-Beach, Jonathan Flood, Stephen Houston, **Thomas G. Garrison**, Edwin Román, Steve Bozarth, and James Doyle

- 2015 A Neighborly View: Water and Environmental History of the El Zotz Region. In *Tikal: Paleoecology of an Ancient Maya City*, edited by David L. Lentz, Nicholas P. Dunning, and Vernon L. Scarborough, pp. 258–279. Cambridge University Press, Cambridge.
DOI:10.1017/CBO9781139227209.013

Houston, Stephen, and **Thomas G. Garrison**

- 2015 The Dedicated City: Meaning and Morphology in Classic Maya Urbanism. In *Early Cities in Comparative Perspective, 4000 BCE–1200 CE*, edited by Norman Yoffee, pp. 48–73. The Cambridge World History, Vol. 3. Cambridge University Press, Cambridge.
DOI:10.1017/CHO9781139035606.005

Houston, Stephen, Sarah Newman, **Thomas Garrison**, and Edwin Román

- 2015 A Tomb and Its Setting. In *Temple of the Night Sun: A Royal Tomb at El Diablo, Guatemala*, by Stephen Houston, Sarah Newman, Edwin Román, and Thomas Garrison, pp. 12–29. Precolumbia Mesoweb Press, San Francisco.

Houston, Stephen, Sarah Newman, Edwin Román, and **Thomas Garrison**

- 2015 Death Comes to the King. In *Temple of the Night Sun: A Royal Tomb at El Diablo, Guatemala*, by Stephen Houston, Sarah Newman, Edwin Román, and Thomas Garrison, pp. 230–233. Precolumbia Mesoweb Press, San Francisco.

Newman, Sarah, Stephen Houston, **Thomas Garrison**, and Edwin Román

- 2015 Outfitting a Ruler. In *Temple of the Night Sun: A Royal Tomb at El Diablo, Guatemala*, by Stephen Houston, Sarah Newman, Edwin Román, and Thomas Garrison, pp. 84–179. Precolumbia Mesoweb Press, San Francisco.

Garrison, Thomas G.

- 2014 Origins and Fertility: Mesoamerican Caves in Deep Time. In *Of Rocks and Water: Towards an Archaeology of Places*, edited by Ömür Harmanşah, pp. 47–52. Joukowsky Institute Publication 5. Oxbow Books, Oxford.

Cheung, Kristina A., Nuoya Xie, Zhaoying Yao, Stephen Houston, Sarah Newman, Edwin Rene Román Ramírez, **Thomas Garrison**, Christian Fischer, Vanessa Muros, Sergey Prikhodko, and Ioanna Kakoulli

- 2013 Analysis of Samples Excavated from a Royal Tomb in El Zotz: Application of Materials Science Characterization Techniques in Archaeology. In *Archaeological Chemistry VIII*, edited by R. Armitage et al., pp. 397–418. American Chemical Society, Washington, D.C.

Saturno, William A., Thomas L. Sever, Daniel E. Irwin, Burgess F. Howell, and **Thomas G. Garrison**

- 2007 Putting Us on the Map: Remote Sensing Investigation of the Ancient Maya Landscape. In *Remote Sensing in Archaeology*, edited by James R. Wiseman and Farouk El-Baz, pp. 137–160. Springer, New York.

Book Reviews (2)

Garrison, Thomas G.

- 2018 Review of *The Ancient Urban Maya: Neighborhoods, Inequality, and Built Form*, by S. R. Hutson. *Cambridge Archaeological Journal* 28:530–532.
DOI:10.1017/S0959774318000112
- 2015 Review of *The Great Maya Droughts in Cultural Context: Case Studies in Resilience and Vulnerability*, edited by G. Iannone. *Latin American Antiquity* 26:281–283.
DOI:10.1017/S1045663500008105

Guatemala Symposium Publications (24)

Garrison, Thomas G., Yeny Gutiérrez, Stephen Houston, Jose Luis Garrido, Edwin Pérez, Danilo Hernández, Rony Piedrasanta, Anna Bishop, Kevin Mercy, Quentin Gautier, Peter Tueller, Curt Schurgers, and Edwin Román

- 2018 La ampliación del reino Pa'ka'n: Investigaciones espaciales y temporales en 2017. In *XXXI Simposio de Investigaciones Arqueológicas en Guatemala, 2017*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Gloria Ajú Álvarez, pp. 613–624. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Alcover Firpi, Omar, **Thomas Garrison**, and Yeny Gutiérrez Castillo

- 2017 Paisajes de guerra, paisajes de cooperación: asentamiento regional de El Zotz. In *XXX Simposio de Investigaciones Arqueológicas en Guatemala*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Gloria Ajú Álvarez, pp. 143–148. Museo Nacional de Arqueología y Etnología, Guatemala.

Gutiérrez, Yeny, **Thomas G. Garrison**, Jose Garrido, Rony Piedrasanta, Omar Alcover, Danilo Hernández, Edwin Pérez, Ingui Zeceña, Henry Pérez, Timothy Beach, Colin Doyle, William Delgado, Andrew Scherer, Alyce de Carteret, Stephen Houston, and Edwin Román

- 2017 Resultados de la 11a temporada de campo del Proyecto Arqueológico El Zotz. In *XXX Simposio de Investigaciones Arqueológicas en Guatemala, 2016*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Gloria Ajú Álvarez, pp. 137–142. Museo Nacional de Arqueología y Etnología, Guatemala.

de Carteret, Alyce, **Thomas Garrison**, Edwin Román, and Stephen Houston

- 2016 Técnicas de construcción en áreas residenciales no monumentales del sitio El Zotz, Guatemala. In *XXIX Simposio de Investigaciones Arqueológicas en Guatemala, 2015*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Gloria Ajú Álvarez, pp. 241–249. Museo Nacional de Arqueología y Etnología, Guatemala City.

Román, Edwin, Jose Garrido, Rony Piedrasanta, **Thomas Garrison**, Stephen Houston, Sarah Newman, Yeny Gutiérrez, Alyce de Carteret, Danilo Hernández, Edwin Pérez Robles, Ingui Zeceña, Timothy Beach, Sheryl Luzzadder-Beach, James Doyle, Nicholas Carter, Melanie Kingsley, Héctor Escobedo, Ernesto Arredondo, Griselda Pérez, Ewa Czapiewska, Andrew Scherer, Zachary Nelson, Laura Gámez, Ana Lucía Arroyave, Juan Carlos Meléndez, Rafael Cambranes, Varinia Matute, Zachary Hruby, Fabiola Quiroa, Joel López, and Joshua Kwoka

- 2016 Diez años de investigación del Proyecto Arqueológico El Zotz. In *XXIX Simposio de Investigaciones Arqueológicas en Guatemala, 2015*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Gloria Ajú Álvarez, pp. 199–204. Museo Nacional de Arqueología y Etnología, Guatemala City.

Garrido López, Jose Luis, Edwin Román, **Thomas Garrison**, and Stephen Houston

- 2015 El Grupo de los Cinco Templos: La Necrópolis Real de El Zotz. In *XXVIII Simposio de Investigaciones Arqueológicas en Guatemala, 2014*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Lorena Paiz, pp. 191–196. Museo Nacional de Arqueología y Etnología, Guatemala City.

Czapiewska, Ewa, **Thomas Garrison**, Edwin Román, and Stephen Houston

- 2014 La cerámica de los grupos de élite: Análisis de los restos hallados en El Zotz, Petén, Guatemala. In *XXVII Simposio de Investigaciones Arqueológicas en Guatemala, 2013*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Andrea Rojas, pp. 283–296. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Garrison, Thomas G., Edwin Román, Stephen Houston, Jose Luis Garrido, Alyce de Carteret, Sarah Newman, Mary Clarke, Mariana Colín, Yeny Gutiérrez, Joel López, and Rony Piedrasanta

- 2014 Investigaciones del Cielo Fortificado: Resultados de la temporada 2013 del Proyecto Arqueológico El Zotz. In *XXVII Simposio de Investigaciones Arqueológicas en Guatemala, 2013*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Andrea Rojas, pp. 951–960. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Piedrasanta, Rony, **Thomas Garrison**, Edwin Román, and Stephen Houston

- 2014 Investigaciones recientes en el Grupo El Tejón, El Zotz, Petén, Guatemala. In *XXVII Simposio de Investigaciones Arqueológicas en Guatemala, 2013*, edited by Bárbara Arroyo, Luis Méndez Salinas, and Andrea Rojas, pp. 945–950. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Garrison, Thomas G., Jose Luis Garrido, Alyce de Carteret, Stephen Houston, Edwin Román, and Griselda Pérez

- 2013 Intervenciones recientes en la Estructura M7-1 de El Zotz: el templo del dintel de Madera. In *XVI Simposio de Investigaciones Arqueológicas en Guatemala, 2012*, edited by Bárbara Arroyo and Luis Méndez Salinas, pp. 737–746. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala City.

Gutiérrez Castillo, Yeny Myshell, Stephen Houston, Edwin Román, **Thomas Garrison**, Sarah Newman, and Catherine Magee

- 2013 Entre conchas y océanos: analizando los artefactos malacológicos procedentes del Entierro 9 de El Zotz, Peten, Guatemala. In *XVI Simposio de Investigaciones Arqueológicas en Guatemala, 2012*, edited by Bárbara Arroyo and Luis Méndez Salinas, pp. 597–610. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala City.

Román, Edwin, **Thomas Garrison**, Stephen Houston, Jose Garrido, Sarah Newman, James Doyle, Rony Piedrasanta, Yeny Gutiérrez, Alyce de Carteret, and Joel López

- 2013 Arte y monumentalidad en el valle de Buena Vista: arquitectura sagrada de la corte real de El Zotz. In *XVI Simposio de Investigaciones Arqueológicas en Guatemala, 2012*, edited by Bárbara Arroyo and Luis Méndez Salinas, pp. 729–736. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala City.

Doyle, James A., Stephen Houston, Edwin Román, **Thomas Garrison**, Timothy Beach, and Sheryl Luzzadder-Beach

- 2012 El Palmar, Peten, Guatemala y las vías de la época Preclásica en el límite sur de la Meseta Kárstica Central. In *XXV Simposio de Investigaciones Arqueológicas en Guatemala, 2011*, edited by Bárbara Arroyo, Lorena Paiz, and Héctor Mejía, pp. 837–844. Ministerio de Cultura y Deportes, Instituto de Antropologías e Historia, Asociación Tikal, Guatemala City.

Garrison, Thomas G., and Jose Luis Garrido López

- 2012 Investigaciones intersitios en el reconocimiento de las Tierras Bajas. In *XXV Simposio de Investigaciones Arqueológicas en Guatemala, 2011*, Bárbara Arroyo, Lorena Paiz, and Héctor Mejía, eds., pp. 1029–1044. Ministerio de Cultura y Deportes, Instituto de Antropologías e Historia, Asociación Tikal, Guatemala City.

Houston, Stephen, Edwin Román, **Thomas Garrison**, Jose Luis Garrido, Nicholas Carter, James Doyle, Elsa Dámaris Menéndez, Sarah Newman, and Melanie Kingsley

- 2012 En la vista de Pa' Chan: Procesos dinámicos en El Zotz, Peten y sus cercanías. In *XXV Simposio de Investigaciones Arqueológicas en Guatemala, 2011*, edited by Bárbara Arroyo, Lorena Paiz, and Héctor Mejía, pp. 181–192. Ministerio de Cultura y Deportes, Instituto de Antropologías e Historia, Asociación Tikal, Guatemala City.

Doyle, James A., Stephen D. Houston, **Thomas G. Garrison**, and Edwin Román

- 2011 ¿Al Alcance de la Vista de Mundo Perdido? La Planificación Urbana y el Abandono Abrupto de El Palmar, Petén, Guatemala. In *XXIV Simposio de Investigaciones Arqueológicas en Guatemala, 2010*, edited by Bárbara Arroyo, Lorena Pais Aragón, Adriana Linares Palma, and Ana Lucía Arroyave, pp. 45–56. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Houston, Stephen, Edwin Román, **Thomas Garrison**, Timothy Beach, Sheryl Luzzadder-Beach, Zachary Hruby, Nicholas Carter, James Doyle, Jose Luis Garrido, Arturo Godoy, Melanie Kingsley, and Elizabeth Marroquín

- 2011 Al Valle de Buenavista: Investigaciones Recientes en el Centro Dinástico de El Zotz y sus Cercanías. In *XXIV Simposio de Investigaciones Arqueológicas en Guatemala, 2010*, edited by Bárbara Arroyo, Lorena Pais Aragón, Adriana Linares Palma, and Ana Lucía Arroyave, pp. 227–236. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Román, Edwin, Sarah Newman, Stephen Houston, **Thomas Garrison**, Nicholas Carter, Andrew Scherer, Zachary Hruby, and Catherine Magee

- 2011 El Diablo: Grupo Cívico-Ceremonial del Clásico Temprano en El Zotz, El Petén. In *XXIV Simposio de Investigaciones Arqueológicas en Guatemala, 2010*, edited by Bárbara Arroyo, Lorena Pais Aragón, Adriana Linares Palma, and Ana Lucía Arroyave, pp. 471–476. Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, Asociación Tikal, Guatemala.

Garrison, Thomas G., James A. Doyle, and Stephen Houston

- 2010 La aplicación de las tecnologías nuevas en la teledetección de las tierras bajas mayas. In *XXIII Simposio de Investigaciones Arqueológicas en Guatemala, 2009*, edited by Bárbara Arroyo, Adriana Linares Palma, and Lorena Paiz Aragón, pp. 231–238. Museo Nacional de Arqueología e Etnología, Guatemala City, Guatemala.

Houston, Stephen, Edwin Román, **Thomas Garrison**, Timothy Beach, Sheryl Luzzadder-Beach, Laura Gámez, Zachary Hruby, Zachary Nelson, Griselda Pérez, Andrew Scherer, and Jose Garrido

- 2010 Un paisaje inconstante: Crecimiento, ruptura y renovación en la región de El Zotz, Guatemala. In *XXIII Simposio de Investigaciones Arqueológicas en Guatemala, 2009*, edited by Bárbara Arroyo, Adriana Linares Palma, and Lorena Paiz Aragón, pp. 489–500. Guatemala City, Guatemala.

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Blog Posts (1)

Garrison, Thomas G.

- 2013 El Zotz: An Archaeological Gem in the Guatemalan Jungle. *World Monuments Fund* (blog), May 13, 2013. <https://www.wmf.org/blog/el-zotz-archaeological-gem-guatemalan-jungle>.

Other (1)

Houston, Stephen, and **Thomas Garrison**

- 2018 A 3D-LiDAR image of Tikal, Guatemala, from the south-east. Invited frontispiece image and caption for issue editorial. *Antiquity* 92:282. DOI:10.15184/aqy.2018.28.

Presentations (71)

Solo (45)

Garrison, Thomas G.

- 2020 Not All Lidar is Created Equal: Lessons from Remote Sensing in Assessing Data Accuracy in the Maya Lowlands. Invited lecture by the Department of Anthropology, University of California, Riverside.
- 2020 Assessing Lidar Classifications in Maya Archaeology. Invited lecture for the Getty Research Institute conference, LiDAR: Research, Protection, and Conservation of Archaeological Heritage in the 21st Century, Los Angeles, California.
- 2020 Assessing the Accuracy of Classified Remote Sensing Data. Invited lecture for the University of Texas at Austin workshop, LiDAR Workshop: 2020 Sibley Conference and Planet Texas 2050, Austin, Texas.
- 2020 Pixels and Prehistory: Digital Technologies and the Ancient Maya. Boshell Family Lecture, Dallas Museum of Art.
- 2020 Seeing Beyond the Forest: Terrain Variability and Quantitative Lidar Assessment in the Maya Lowlands. Invited lecture by Department of Geography and the Environment, University of Texas at Austin.

- 2019 Lidar and Landscapes: Remote Sensing Data in the Digital Humanities. Invited lecture by the Mellon Fellows Digital Humanities Lunch Series, University of Rochester.
- 2019 Re-Imagining the Ancient Maya Landscape: Lidar's Lessons and Limits in 21st Century Settlement Archaeology. Keynote address for the South-Central Conference on Mesoamerica, Louisiana State University, Baton Rouge.
- 2019 Maya Archaeology's Geospatial Revolution: Lidar as the Culmination of 80 Years of Remote Sensing. Invited lecture to the Geosensing Group of the National Center for Airborne Laser Mapping (NCALM), University of Houston.
- 2019 La tecnología LiDAR y el papel de la teledetección en la arqueología maya. Invited lecture by La Academia de Geografía e Historia de Guatemala.
- 2019 You Say You Want a Revolution: Lidar as a Paradigm Shifter in Maya Archaeology. Keynote address for the International LiDAR Mapping Forum, Denver, Colorado.
- 2018 The Conurban Maya?: Reassessing the Urban/Rural Divide during the Lidar Revolution. Nancy S. and Peter O. Brown Guest Lectureship in the Art & Architecture of Ancient Civilizations, Memorial Art Gallery, University of Rochester.
- 2018 A Contested Landscape: Lidar and the Pervasiveness of Maya Warfare. Invited lecture by the Maya Society of Minnesota, Hamline University.
- 2018 Getting Reacquainted with the Lowland Maya: Regional Implications of Lidar in Northern Guatemala. Invited lecture for the Department of Anthropology Colloquium Series, Binghamton University.
- 2018 Cacao for Corn: Lidar and Alternative Agricultural Economies of the Ancient Maya. Invited lecture for the Central National Technology Support Center, United States Department of Agriculture, Ft. Worth, Texas.
- 2018 Revealing a Lost Civilization with ArcGIS. Invited Special Display at the ESRI User Conference, San Diego, California.
- 2018 Revealing the Ancient Maya Landscape. Invited presentation for Nat Geo Nights event. National Geographic Society, Washington, DC.
- 2018 Re-Discovering the San Bartolo-Xultun Intersite Area: Personal Reflections on 1 K'atun of Remote Sensing the Maya. Invited lecture at the Tang Teaching Museum, Skidmore College, Saratoga Springs, NY.
- 2018 Living in a Contested Landscape: Adapting Settlement Decisions in the Buenavista Valley, Peten, Guatemala. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, DC.
- 2018 "Born-from-Fire": Warfare and the Rise of Maya Civilization. Invited lecture for the Finger Lakes Chapter of the New York State Archaeological Association.
- 2018 Rethinking Rurality: Lidar and the Articulated Landscape of the Central Maya Lowlands. Invited lecture for the Cornell Institute of Archaeology and Material Studies Seminar Series.
- 2018 Remote Sensing in Maya Archaeology: Failures, Progress, and the Lidar Revolution. Invited lecture for the Active Optical Systems Group, MIT Lincoln Laboratory, Massachusetts.
- 2017 Defense, Density, Agriculture, and Access: Lessons from LiDAR in the Maya Lowlands. Invited presentation at the UCLA Cotsen Institute for Archaeology's Friday Seminar Series.
- 2017 Lasers in the Jungle: Revealing the Ancient Maya Landscape. Presentation at Ithaca College Faculty Scholarship, Research, and Creative Inquiry Fair.
- 2017 LiDAR at El Zotz 2017. Invited lecture for the Pacunam Lidar Workshop, Universidad del Valle, Guatemala City.

- 2017 Rethinking the Maya Settlement System: Lessons from LiDAR. Invited lecture at the University of California, Riverside. (Also given at Carleton College; Ithaca College; USC)
- 2015 Tunneling with Technology: Recent Investigations at the Classic Maya Site of El Zotz, Guatemala. Invited presentation for the Southern California Chapter of the Archaeological Institute of America.
- 2015 Landscape and Technology at El Zotz, Guatemala. Invited presentation at the Bowers Museum, Santa Ana, California.
- 2014 Digging for Knowledge: Discovering the Ancient Maya Kingdom of El Zotz, Guatemala. Invited presentation at the Bowers Museum, Santa Ana, California.
- 2014 Arqueología del paisaje en El Zotz, Guatemala. Invited presentation at the Casa Popenoe, Antigua, Guatemala.
- 2014 The City as a Canvas: The Intersection of Art, Architecture, and Nature in Maya Landscapes. Invited paper for Artistic Programs and Classic Maya Architecture: Recent Discoveries and Interpretations. Symposium sponsored by the Braunstein Foundation and the M. J. Barrick Museum, University of Nevada, Las Vegas.
- 2013 Defining Regions in the Maya Lowlands: Michael Coe's Legacy in Environmental Archaeology. Invited paper for Jaguars, Eagles, and Feathered Serpents: Mesoamerica Re-Explored, A Symposium in Homage to Dr. Michael Coe. California State, Los Angeles.
- 2013 The Intersection of Urban and Natural Landscapes at El Zotz, Guatemala. Paper presented at the Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 2013 Los Bajeros: Rural Ancient Maya at Xultun and El Zotz. Paper presented at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii.
- 2013 Kings of the Sun: Landscape Intersection and Rulership at El Zotz, Guatemala. Invited paper at the Cotsen Institute of Archaeology, UCLA.
- 2012 El Paisaje Natural, Político, y Urbano de El Zotz. Invited lecture at the Museo Popol Vuh, Universidad Francisco Marroquín, Guatemala City.
- 2011 A View from Above: Improving Maya Settlement Archaeology with Remote Sensing. Invited lecture by Department of Anthropology, Baylor University, Waco, Texas.
- 2011 Remote Ideas from Remote Locations: Technology in Maya Settlement Archaeology. Invited paper at the Penn Maya Meetings. University Museum, University of Pennsylvania, Philadelphia. <http://www.youtube.com/watch?v=wXJsysNCaOE>
- 2009 Cosmological Ideals and Physical Realities in Maya Territorial Organization. Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- 2008 Satellite Imagery and Settlement Survey in Lowland Maya Archaeology. Invited paper presented at Yale University.
- 2008 Refining Remote Sensing Applications in Lowland Maya Archaeology. Invited paper presented at the Joukowski Institute for Archaeology and the Ancient World, Brown University.
- 2007 San Bartolo and Xultun: A Conjunctive Approach to Culture History. Invited paper presented for the Tertulia Series at Dumbarton Oaks, Washington, DC.
- 2006 Defining Intersite Areas in the Northeast Peten, Guatemala. Paper presented at the 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- 2005 Remote Sensing and Survey in the Xultun-San Bartolo Intersite Zone. Paper presented at the 70th Annual Meeting of the Society for American Archaeology, Salt Lake City.
- 2004 Heterarchy, Environment, and Settlement in the Northeast Peten, Guatemala. Paper presented at Anthropology Day, Harvard University.

- 2003 Settlement Patterns and Remote Sensing in the Maya Lowlands. Invited lecture presented for the Department of Anthropology, Archaeology Brown Bag Series, Harvard University.

Collaborative (26)

Canuto, Marcello, and Thomas G. Garrison

- 2019 Tecnología LiDAR y urbanismo maya en la zona de Petén de Guatemala. Paper presented at the XI Congreso Internacional de Mayistas, Chetumal, Quintana Roo, Mexico.

Cook, Duncan E., D. P. Penny, Timothy Beach, Sheryl Luzzadder-Beach, **Thomas Garrison**, D. McGee, and Quan Hua

- 2019 The Maya Resilience Project: Climate Variability and Human Response in the Maya Lowlands of Central America. Paper presented at the Annual Meeting of the American Association of Geographers, Washington DC.

Estrada-Belli, Francisco, Marcello Canuto, **Thomas Garrison**, Ramesh Shrestha, and Marianne Hernández

- 2019 The Importance of Large-Scale Collaborative Lidar Research in the Maya Lowlands. Paper presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico.

Garrison, Thomas G., Edwin Román, Anna B. Bishop, Rony Piedrasanta, Edwin Pérez, Rafael Cambranes, J. Dennis Baldwin, Quentin Gautier, Elizabeth Marroquín, Jose Luis Garrido, Jackson Bowser, and Yeny Gutiérrez

- 2019 Resultados de la 14a temporada de investigaciones del Proyecto Arqueológico El Zotz. Paper presented at the XXXIII Simposio de Investigaciones Arqueológicas en Guatemala, Guatemala City.

Garrison, Thomas, and Andrew Scherer

- 2019 Stephen Houston's Impact on Maya Archaeology: Celebrating His Completion of 3 K'atuns. Paper presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico.

Houston, Stephen, **Thomas Garrison**, and Omar Alcover

- 2019 Citadels and Surveillance: The Conflictive Region of El Zotz, Tikal and La Cuernavilla, Guatemala. Paper presented at the European Maya Conference, Krakow, Poland.

Alcover Firpi, Omar A., **Thomas G. Garrison**, and Stephen Houston

- 2018 Bridging the Gap: Spectral and Structural Analysis of Archaeological Settlement in El Zotz, Guatemala. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C.

Garrison, Thomas G., Rafael Cambranes, Dennis Baldwin, Anna Bishop, Stephen Houston, and Yeny Gutiérrez

- 2018 Recientes investigaciones basadas en lidar del Biotopo San Miguel la Palotada-El Zotz. Paper presented at the XXXII Simposio de Investigaciones Arqueológicas en Guatemala, Guatemala City.

Garrison, Thomas G., and Stephen Houston

- 2018 Fortresses, Refuges, and Surveillance: Reconsidering the Pervasiveness of Maya Warfare. Paper presented at the 15th Annual Tulane Maya Symposium, New Orleans, Louisiana.

Gutiérrez, Yeny Myshell, **Thomas G. Garrison**, Stephen Houston, Rony Piedrasanta, Anna Bishop, Danilo Hernández, Edwin Pérez, Edwin Román, Rafael Cambranes, Dennis Baldwin, André Rivas, Fernando Véliz, Pamela Rosales, Jose Garrido, Timothy Beach, Sheryl Luzzadder-Beach, Sarah Eshleman, Leila Donn, and Duncan Cook

- 2018 Trece años del Proyecto Arqueológico El Zotz: Resultados de las investigaciones más recientes en El Zotz y sitios vecinos. Paper presented at the XXXII Simposio de Investigaciones Arqueológicas en Guatemala, Guatemala City.

Garrison, Thomas G., Stephen Houston, Omar Alcover Firpi, and Kevin Mercy

- 2017 Hilltops and Boundaries: The LiDAR Survey of El Zotz and Tikal. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia.

Alcover Firpi, Omar Andres, and **Thomas Garrison**

- 2016 Landscapes of War, Landscapes of Cooperation: Hilltops in the Buenavista Valley, Guatemala. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida.

Garrison, Thomas G., and Brett A. Houk

- 2015 Crossing Ancient and Modern Borders: Territoriality in the Three Rivers Region. Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Garrison, Thomas, Edwin Román, Stephen Houston, Jose Luis Garrido, Alyce de Carteret, Rony Piedrasanta, Yeny Gutiérrez, and Danilo Hernández

- 2015 Las pirámides y los palacios de Pa'-Chan: Resultados de la temporada de campos de 2015 del Proyecto Arqueológico El Zotz. Paper presented at the XXIX Simposio de Investigaciones Arqueológicas en Guatemala. Guatemala City.

Houston, Stephen, Sarah Newman, Edwin Román, and **Thomas Garrison**

- 2015 Founder's Effects: Exploring a Royal Tomb at El Zotz, Guatemala. Paper presented at the 12th Tulane Maya Symposium, Tulane University, New Orleans.

Garrison, Thomas G., Mary Clarke, Stephen Houston, Katie Simon, Vance Green, Albert Lin, and Edwin Román

- 2014 "We may have to call someone": 3D Technologies in the Context of Lowland Maya Field Archaeology. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

Houston, Stephen, Edwin Román, and **Thomas Garrison**

- 2013 The Temple of the Night Sun: Configuring Kingship at El Diablo, Guatemala. Paper presented at the Maya Meetings, University of Texas at Austin.

- Luzzadder-Beach, Sheryl, Timothy Beach, Stephen Houston, **Thomas Garrison**, James Doyle, Jonathan Flood, and Steven Bozarth
2013 Paleoecology and Geoarchaeology in the Central Peten of Guatemala at Zotz and Palmar. Paper presented at the Annual Meeting of the Association of American Geographers, Los Angeles, California.
- Flood, Jonathan, Timothy Beach, Sheryl Luzzadder-Beach, Stephen Houston, and **Thomas G. Garrison**
2012 Paleoecology at El Zotz and its Surroundings. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Garrison, Thomas G., Stephen Houston, and Edwin Román
2012 Moving Outside the Fortress: Future Directions at El Zotz. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Houston, Stephen, and **Thomas G. Garrison**
2012 Citadel of Heaven: The Ancient Maya Kingdom of El Zotz, Guatemala. Invited lecture at the World Monuments Fund, New York, New York.
- Houston, Stephen, **Thomas G. Garrison**, and Edwin Román
2012 The Fortress of Heaven: Regional Research of the Long Term at El Zotz, Guatemala. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Román, Edwin, Stephen Houston, and **Thomas G. Garrison**
2012 Ruling from a Defensive Landscape: The Rise of an Early Classic Dynasty at El Zotz. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Scherer, Andrew K., Chelsea Garrett, Stephen D. Houston, Edwin Román, **Thomas Garrison**, and Sarah Newman
2011 Human Sacrifice as Mortuary Ritual at the Classic Maya Site of El Zotz, Guatemala. Paper presented at the annual meeting of the American Physical Anthropology Association.
- Chapman, Bruce, Ronald Blom, **Thomas Garrison**, Stephen Houston, Scott Hensley, Charles Golden, and Sassan Saatchi
2010 Processing and Analysis of Airborne Synthetic Aperture Radar Imagery acquired over Maya settlements in Central America. Paper presented at the 2010 IEEE International Geoscience and Remote Sensing Symposium, Honolulu, Hawaii.
- Griffin, Robert E., Joshua J. Kwoka, and **Thomas G. Garrison**
2006 Remote Sensing Chert Exploitation Zones around San Bartolo, Guatemala. Paper presented at the Annual Computer Applications and Quantitative Methods in Archaeology Conference, Fargo, North Dakota.

Professional Activities

- 2020 LiDAR: Research, Protection, and Conservation of Archaeological Heritage in the 21st Century. Workshop organized by Mary Miller and Andrew Turner. *Invited participant and consultant.*
- 2020 LiDAR Workshop: 2020 UT Sibley Conference and Planet Texas 2050. University of Texas at Austin. *Invited Participant.*
- 2019 Decipherment, Digs, and Discourse: Honoring Stephen Houston's Contributions to Maya Archaeology. Organized by **Thomas Garrison** and Andrew Scherer. 84th Annual Meeting of the Society for American Archaeology. *Chair and Participant.*
- 2018 The Lidar Revolution and Achieving Remote Sensing's Potential in Maya Archaeology: A Lidar Workshop. Maya Society of Minnesota, Hamline University. *Workshop organizer.*
- 2018 The Flexible Maya City: Attraction, Contraction, and Planning in Classic Urban Dynamics. Organized by Damien Marken and Charlotte Arnaud. 83rd Annual Meeting of the Society for American Archaeology. *Participant.*
- 2018 Looking Down on Mesoamerica: Applying Geophysical Prospection, UAV Mapping, and LiDAR to the Archaeological Record. Organized by Marc Levine. 83rd Annual Meeting of the Society for American Archaeology. *Participant.*
- 2018 The Blood Pooled, the Heads Piled Up: How the Maya Waged War. 15th Annual Tulane Maya Symposium. *Participant.*
- 2017 LiDAR in the Maya Heartland: Results of the 2016 LiDAR Survey in Guatemala's Maya Biosphere Reserve. Organized by **Thomas Garrison**, Francisco Estrada-Belli, and Marcello Canuto. 82nd Annual Meeting of the Society for American Archaeology. *Chair and Participant.*
- 2017 LiDAR Workshop. 14th Annual Tulane Maya Symposium. *Workshop organizer.*
- 2017 LiDAR Workshop. The Maya Meetings at the University of Texas, Austin. *Workshop organizer.*
- 2016 From the Bottom Up: Hilltop Use and Significance in Antiquity. Organized by Whittaker Schroder and Omar Alcover. 81st Annual Meeting of the Society for American Archaeology. *Participant.*
- 2015 Lowland Maya Territories: Local Dynamics in Regional Landscapes. Organized by Lisa LeCount and David Mixer. 80th Annual Meeting of the Society for American Archaeology. *Participant.*
- 2014 3D Tools for Archaeological Research in the Ancient Americas. Organized by Jennifer Von Schwerin, Markus Reindel, and Heather Richards-Rissetto. 79th Annual Meeting of the Society for American Archaeology. *Participant.*
- 2014 Artistic Programs and Classic Maya Architecture: Recent Discoveries and Interpretations. Braunstein Symposium, University of Las Vegas, Nevada. *Participant.*
- 2013 Jaguars, Eagles, and Feathered Serpents: Mesoamerica Re-explored. A symposium in homage to Michael D. Coe. *Participant.*
- 2013 New Perspectives to Paleoenvironmental Change and Geoarchaeology. Organized by Matthew Peros and Duncan Cook. Annual Meeting of the Association of American Geographers. *Participant.*
- 2013 Xultun: Recent Investigations at a Classic Maya Metropolis in the Northeast Peten. Organized by Franco Rossi. 78th Annual Meeting of the Society for American Archaeology. *Participant.*
- 2013 Applications Panel. Third Annual Geospatial Summit. Japanese-American National Museum, Los Angeles. Organized by Darren Ruddell. *Panelist.*

- 2012 An Inconstant Landscape: Archaeological Investigations at El Zotz, Guatemala. Organized by **Thomas Garrison** and Stephen Houston. 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee. *Chair and Participant.*
- 2009 Territoriality in Archaeology: The Politics of Land and Space. Organized by Nathaniel Van Valkenburgh and James Osborne. 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia. *Participant.*
- 2008 Drawing on Rocks, Gathering by the Water. Seminar at the Joukowsky Institute for Archaeology and the Ancient World. Organized by Ömür Harmansah. *Discussant.*
- 2006 Art of the State and State of the Art: New Discoveries at San Bartolo, Guatemala. Organized by Jessica Craig, Astrid Runggaldier, and William Saturno. 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico. *Participant.*
- 2005 Lowland Maya Settlement Pattern Studies: Technological Transformations and a Wealth of Data. Organized by Timothy Murtha, Jeffrey Glover, and **Thomas Garrison**. 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, Utah. *Participant.*

Teaching Experience

Lecture Courses

- Box Office Archaeology (IC)
- The Nature of Maya Civilization (USC)/The Mysterious Maya (IC)
- Archaeology: Our Human Past (USC)/World Archaeology (IC)
- Mesoamerican Cosmology and Culture (Brown/USC/IC)
- The Archaeology of the Americas (USC)
- Human Impacts on Ancient Environments (Brown/USC)

Seminars

- Landscapes through Time (UT)
- Presenting Anthropology (IC)
- The Anthropology of War: Origins of Violence (IC)
- Settlement Patterns and Landscapes: Regional Approaches to Archaeology (IC)
- Archaeological Interpretation of Complex Societies (USC)
- Scientific Analysis in Archaeology (USC)
- Old World and New World Perspectives in Archaeology (with John Cherry) (Brown)
- Sophomore Tutorial (History of discipline and basic theory) (Harvard)

Labs

- GIS and Remote Sensing in Archaeology (Brown/USC)
- Advanced GIS and Remote Sensing in Archaeology (Brown)

Field Methods

- Field Methods in Maya Archaeology (USC)
- Human Modification of the Landscape (with Noreen Tuross) (Harvard)
- Field Methods (Universidad de San Carlos, Guatemala)

International Short Courses

- Maya Resilience: Constructing Past and Present Identities (USC)

Teaching Fellow

Mesoamerican Civilizations, (for William Fash and David Carrasco, Harvard)
San Bartolo Field School (for William Saturno, UNH)

Student Mentoring and Committees**Doctoral dissertations**

Omar Alcover, Brown University (committee member, 2020)
Nicholas Carter, Brown University (committee member, 2014)
Alyce de Carteret, Brown University (committee member, 2017)
James Doyle, Brown University (committee member, 2013)

Masters theses

Omar Alcover, Brown University (reader, 2016)
Nicholas Carter, Brown University (reader, 2010)
Jerry Corum, University of Southern California (Spatial Science Institute) (reader, 2014)
Solomon Kailihiwa, University of Southern California (SSI) (reader, 2015)
Matthieu Muñoz, University of Southern California (SSI) (reader, 2017)
Alex Schild, University of Southern California (SSI) (reader, 2016)
Lucian Schrader, University of Southern California (SSI) (reader, 2013)
Caitlin Walker, Brown University (reader, 2009)

Senior Honors theses

Kasey Gregory, Ithaca College (advisor, 2019)
Madeline Brown, Brown University (reader, 2010)
Jenna Berthiaume, Brown University (reader, 2008)

Graduate reading and research

Timothy Sandiford, Brown University, remote sensing, 2010
Nicholas Carter, Brown University, GIS, remote sensing, database design, 2009
Katharine Lukach, Brandeis University, GIS and remote sensing, 2009
James Doyle, Brown University, Maya calendar, GIS and remote sensing, 2008
Caitlin Walker, Brown University, Maya ceramics, 2008
Cassandra Mesick, Brown University, dissertation prospectus writing, 2007

Independent study projects

Hannah Hale, Ithaca College, Maya glyphs and iconography, 2019

Other mentoring

Faculty advisor to 21 Anthropology majors and minors, Ithaca College
Summer Scholars mentor for Kasey Gregory, Ithaca College (2018)
Mentored two final-year grad students for the UC Riverside Summer Dissertation
Retreat (2016)

Service

Department

2018–2019	Search Committee for Biological Anthropology tenure-track search, Ithaca College
2017–present	Curriculum Committee, Dept. of Anthropology, Ithaca College
2018–present	Classroom observation of contingent and NTEN anthropology faculty, Ithaca College
2018	Organizer and Faculty Chaperone for student trip and private tour of the Golden Kingdoms Exhibition, Metropolitan Museum of Art
2018	Anthropology Independent Study Proposal Review, ad hoc committee, Ithaca College
2017–2018	Department NTEN review of Lisa Corewyn, Ithaca College
2017–2018	Program Review, Dept. of Anthropology, Ithaca College
2016, 2012	Faculty Chaperone for Getty Villa Undergraduate Night, USC
2015–2016	Standing Search Committee, Dept. of Anthropology, USC
2014	Non-Tenure-Track (NTT) annual review committee, Dept. of Anthropology, USC
2013–2016	Undergraduate Curriculum Committee, Dept. of Anthropology, USC
2012–2014	Anthropology and Archaeology Faculty Representative to Beyond Books Event, USC
2013	Standing Search Committee, Dept. of Anthropology, USC
2008–2012	Instructor for Graduate Student Professionalization Seminar, Joukowsky Institute, Brown University
2002–2003	Graduate Student Representative to the Anthropology Faculty, Harvard University

College/University

2019	Featured presenter at Ed Tech Day, Ithaca College
2018	Sponsored Research Focus Group, Ithaca College
2018	Grants 101 Workshop Guest Speaker, Sponsored Research, Ithaca College
2017, 2018	Fall Admissions Open House, Ithaca College
2017–2018	H&S Strategic Planning Task Force #3: Supporting Curricular Innovation and Diversity, School of H&S, Ithaca College
2017	Dornsife Evaluation Panel for President's Scholarship Candidates, USC
2017	Dornsife Evaluation Panel for Trustee's Scholarship Candidates, USC
2017	Dornsife RTPC Promotion Committee, USC
2016	Dornsife Committee on Faculty Evaluation Appeals, USC
2014	On Campus GIS Day Event with Darren Ruddell, USC

Community

February 2020	Speaker for 5 th grade classes at Owego Elementary School, Owego, New York
April 2019	Speaker for the annual meeting of Tompkins County Area Development (TCAD)
April 2019	Speaker for 5 th grade classes at Owego Elementary School, Owego, New York
March 2019	Speaker for <i>Showtime!</i> series at the Ithaca Science Center
April 2018	Speaker for the Ithaca Science Center sustaining members lunch

International

July 2018	Speaker for 17 Guatemalan federal judges at the site of El Zotz hosted for the Foro de la Justicial Ambiental
January 2012	Speaker for the "Beyond the Podium" series on Celebrity Cruises
January 2010	Study Leader for Smithsonian Journeys tour – Guatemala: Land of Eternal Spring

Professional

Boards

2019–present Advisory Board, *Journal of Field Archaeology*

Peer review for journals:

Advances in Archaeological Practice

Antiquity

Cambridge Archaeological Journal

Current Anthropology

Journal of Anthropological Archaeology

Journal of Archaeological Science

Journal of Field Archaeology

Latin American Antiquity

Peer review for academic presses:

Cambridge University Press

Cornell University Press

Oxford University Press

Red Line Editorial

Routledge

Peer review for granting agencies and foundations:

Lewis and Clark Foundation, American Philosophical Society

National Geographic Society

National Science Foundation

Social Sciences and Humanities Research Council of Canada

Media Mentions and Appearances

Television

- March 2019 Episode 4: Secrets of the Lost City. *Lost Treasures of the Maya*. National Geographic Channel. Featured researcher.
- March 2019 Episode 3: Secrets of the Sun God. *Lost Treasures of the Maya*. National Geographic Channel. Featured researcher.
- March 2019 Episode 2: Secrets of the Underworld. *Lost Treasures of the Maya*. National Geographic Channel. Featured researcher.
- March 2019 Episode 1: Secrets of the Snake Altar. *Lost Treasures of the Maya*. National Geographic Channel. Featured researcher.
- December 2018 Tikal. *Unearthed*. Science Channel. Featured researcher.
- April 2018 War. *First Civilizations*. PBS. Featured researcher.
- February 2018 *Lost Treasures of the Maya Snake King*. National Geographic Channel. Featured researcher.
- February 2018 *Lost Treasures of the Maya*. UK Channel 4. Featured researcher.
- October 2016 *China's Megatomb Revealed*. National Geographic Channel. Special thanks.
- March 2014 Native Diver Story. Separate coverage by CBS National News, CBS Los Angeles, CBS San Diego, ABC Los Angeles. Interview and excavation footage.
- July 2012 Temple of the Night Sun Story. *Matutino Express*. Canal Antigua, Guatemala. Interview
- February 2001 Lost King of the Maya. *NOVA*. PBS. Portrayed John Lloyd Stephens.

Radio

- May 2019 *Relevant or Irrelevant*. KALA, Davenport, Iowa. Digital Imagery of Maya Structures. May 3, 2019 broadcast. <https://soundcloud.com/kalaradio/roi-311>
- June 2018 *Jay Talking with Bradley Jay*. WBZ Radio, Boston. Interview about Mesoamerica, archaeology, and lidar.
- February 2018 *Newshour*. BBC World Service Radio. Interview about lidar. 2/2/18, 16:06 broadcast. <http://www.bbc.co.uk/programmes/w172vr1p84bhcr>
- February 2018 *The Two-Way*. NPR. Interview about lidar. <https://www.npr.org/sections/thetwo-way/2018/02/02/582664327/game-changer-maya-cities-uneearthed-in-guatemala-forest-using-lasers>

Print and Online Interviews

- 2019 Math. Chocolate. Sacrifice.: Digging Up Secrets of the Maya. *The New York Times for Kids*, April 28, 2019. Lidar story for kids. Print.
- 2019 A Lost World Emerges. *Discover* (March):26–33. Lidar and La Cuernavilla research. Print and online. <http://discovermagazine.com/2019/mar/a-lost-world-emerges>
- 2019 Jungle of Secrets. *Scholastic News Edition 5/6*, March 4, 2019. Lidar story for kids. Print and online. <https://sn56.scholastic.com/issues/2018-19/030419/jungle-of-secrets.html>
- 2019 Lasers Reveal Maya War Ruins. *National Geographic*, March 1, 2019. Lidar and La Cuernavilla research. Online. <https://www.nationalgeographic.com/culture/2019/03/lasers-reveal-maya-war-ruins/>
- 2019 How Lidar is Upending Archaeology: Thomas Garrison Discusses the Latest Maya Discoveries. *SPAR3D*, January 11, 2019. Interview for *International LiDAR Mapping Forum* keynote address. Online. <https://www.spar3d.com/blogs/the-other-dimension/32494-2/>
- 2018 Uncovering the Mysteries of the Maya. *IC View* 36(3):11–14. Print and online. <https://www.ithaca.edu/icview/stories/mapping-the-maya-51880/>
- 2018 Hidden Kingdoms of the Ancient Maya Revealed in a 3-D Laser Map. *New York Times*, September 27, 2018. Lidar story. Print and online. <https://www.nytimes.com/2018/09/27/science/maya-ruins-lidar.html?action=click&module=Well&pgtype=Homepage§ion=Science>
- 2018 How aerial lidar illuminated a Mayan megalopolis: High tech and hard work. *Tech Crunch*, September 27, 2018. Lidar story. Online. <https://techcrunch.com/2018/09/27/how-aerial-lidar-illuminated-a-mayan-megalopolis/>
- 2018 Hidden Pyramid Among Thousands of Ancient Maya Structures Revealed by New Aerial Survey. *Gizmodo*, September 27, 2018. Lidar story. Online. <https://gizmodo.com/hidden-pyramid-among-thousands-of-ancient-maya-structur-1829364134>
- 2018 LiDAR Scans Reveal Maya Were Far Bigger and More Complex than Thought. *Discover Magazine D-brief Blog*, September 27, 2018. Lidar story. Online. <http://blogs.discovermagazine.com/d-brief/2018/09/27/maya-lidar-scans-60000-new-structures/#.W64xU2hKiUk>
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- 2018 Ancient Mayan Archaeology, LiDAR Technology, New Discoveries. *The GT Podcast* #12, February 12, 2018. <https://www.stitcher.com/podcast/the-gt-podcast/e/53275604>

Professional Memberships

2001–present Society for American Archaeology, Member

Skills

Languages

Spoken: English, Spanish; Reading: French

Laboratory

Geographic Information Systems, Remote Sensing

Specialized Software

ESRI ArcGIS; GeoCue LP360; Golden Surfer; ERDAS Imagine; ENVI; Adobe Photoshop, Illustrator, Acrobat Professional; AutoCAD; Google SketchUp; Agisoft Photoscan

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