Nicola Lercari

Curriculum Vitae
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EDUCATION

2011   Ph.D., History and Computing, Dept. of History and Cultures, University of Bologna, Italy. (Italian Academic Disciplines List: Area 01 - Mathematics and Informatics: INF/01 Informatics. Equivalent in the U.S. to CIP Code 11.0104 Informatics).

2007   M.A., Film and Media Production, Dept. of the Arts, University of Bologna, Italy.

2004   B.A., Communication Studies, Dept. of Education Studies, University of Genoa, Italy.

PROFESSIONAL APPOINTMENTS

2015 – Present   Assistant Professor of Heritage Studies, Dept. of Anthropology and Heritage Studies, University of California, Merced.

2013 – 2014   Postdoctoral Associate, Dept. of Art, Art History, and Visual Studies, Duke University.

2011 – 2012   Postdoctoral Scholar, Dept. of Humanities and World Cultures, UC Merced.

2010 – 2012   Lecturer, Dept. of Humanities and World Cultures, UC Merced.

PUBLICATIONS

Peer-reviewed Journal Articles

2020   **Lercari, N.**, Jaffke, D. Forthcoming November 2020. Implementing Participatory Site Stewardship through Citizen Science and Mobile Apps: The Case of Bodie, California. Advances in Archaeological Practice, 8 (4).

2020   **Lercari, N.**, Busacca, G. A Glimpse through Time and Space: Visualizing Spatial Continuity and History Making at Çatalhöyük, Turkey. Journal of Eastern Mediterranean Archaeology and Heritage Studies, 8 (2): 99-122. doi: 10.5325/jeasmedarcherstu.8.2.iii.

2019   **Lercari, N**. Monitoring Earthen Archaeological Heritage using Multi-Temporal Terrestrial Laser Scanning and Surface Change Detection. Journal of Cultural Heritage, 39C, 152-165. doi:10.1016/j.culher.2019.04.005.

2019   Campiani, A., Lingle, A. M. and Lercari, N. Spatial Analysis and Heritage Conservation: Leveraging 3-D Data and GIS for Monitoring Earthen Architecture. Journal of Cultural Heritage, 39C, 166-176. doi:10.1016/j.culher.2019.02.011.

2018   **Lercari, N.**, Arksey, M., Caskey, C., Thornburg, M., DeLugan, R. California Gold Country's Digital Heritage: Innovations in Community Engaged Research and Training. Collaborations: A Journal of Community-Based Research and Practice, 2 (1): 4, 1-12. doi:10.33596/coll.16.

2018   Lercari, N., Shiferaw, E., Forte, M., Kopper, R. Immersive Visualization and Curation of Archaeological Heritage Data: Çatalhöyük and the Dig@IT App. Journal of Archaeological Method and Theory, 25 (2). doi:10.1007/s10816-017-9340-4.

2017   Lercari, N. 3D Visualization and Reflexive Archaeology: A Virtual Reconstruction of Çatalhöyük History Houses. Digital Applications in Archaeology and Cultural Heritage, Vol. 6, 10–17. doi:10.1016/j.daach.2017.03.001.

2015   Berggren, A., Dell'Unto, N., Forte, M., Haddow S., Hodder, I., Issavi J., Lercari, N., Mazzuccato, C., Mickel, A., Taylor. J.S. Revisiting reflexive archaeology at Çatalhöyük: integrating digital and 3D technologies at the trowel's edge. Antiquity, 89 (344), 433-448. doi:10.15184/aqy.2014.43.

2012   Forte, M., Dell'Unto, N., Issavi, J., Onsurez, L., Lercari, N. 3D Archaeology at Çatalhöyük. International Journal of Heritage in the Digital Era, 1 (3), 351-378. doi:10.1260/2047-4970.1.3.351.

Peer-reviewed Book Chapters

2021   Goodwin, G., N. Lercari. Accepted 2020 - Forthcoming 2021. Reconstructing Past Phenomenology Using Virtual Reality. In Yoshimi, J. (ed.), Horizons of Phenomenology. New York: Springer Academic Publishers.

2020   Forte, M., Dell'Unto, N., Lercari, N. Forthcoming December 2020. Digital Çatalhöyük: A cyberarchaeological approach. In Hodder I. and Tsoraki C. (eds.), Communities at Work: The Making of Çatalhöyük. London: British Institute at Ankara Çatalhöyük Monograph Series No. 15.

2018   **Lercari, N.** "Virtually Rebuilding Çatalhöyük History Houses." In Hodder, I. (ed.), Religion, History and Place in the Origin of Settled Life (pp. 263–282). Louisville: University Press of Colorado. www.jstor.org/stable/j.ctv3c0thf.15.

2016   **Lercari, N.** Terrestrial Laser Scanning in the Age of Sensing. In M. Forte, S. Campana (eds.), Digital Methods and Remote Sensing in Archaeology (pp. 3-33). New York: Springer. doi: 10.1007/978-3-319-40658-9_1.

2016   **Lercari, N.** Simulating History in Virtual Worlds. In Y. Sivan (ed.), Handbook on 3D3C Platforms: Applications and Tools for Three Dimensional Systems for Community, Creation and Commerce (pp. 337-352). New York: Springer. doi: 10.1007/978-3-319-

22041-3_13.

2016   Forte, M., Dell'Unto, N., Jonsson, K., Lercari, N. Interpretation Process at Çatalhöyük using 3D. In I. Hodder, A. Marciniak (eds.), Assembling Çatalhöyük (pp. 43-57). Themes in Contemporary Archaeology. Leeds: Maney Publishing (now Taylor & Francis). ISBN 978-1-910526-00-2.

2014   Lercari, N., Mortara, M., Forte, M. Unveiling California history through serious games: Fort Ross Virtual Warehouse. In A. De Gloria (ed.), Lecture Notes in Computer Science: Games and Learning Alliance. (pp. 236-251). Berlin: Springer. ISBN 978-3-319-12157-4.

2011   Lercari, N. Nuove Forme di Comunicazione per Nu.M.E. In F. Bocchi, R. Smurra (eds.), La Storia della Città per il Museo Virtuale di Bologna (pp. 217-225). Bologna: Bononia University Press. ISBN 978-88-7395-597-9.

2010   Lercari, N. An Open Source Approach to Cultural Heritage: Nu.M.E. Project and the Virtual Reconstruction of Bologna. In M. Forte (ed.), Cyber-Archaeology (pp. 125-133). Oxford: Archaeopress, BAR International Series 2177.

Peer-reviewed Conference Proceedings

2018   Lercari, N., Campiani, A., Liendo Stuardo, R. Intra-site Digital Documentation of the Ancient Maya City of Palenque, Mexico. Proceedings of 2018 3rd Digital Heritage International Congress (DigitalHERITAGE) held jointly with 2018 24th International Conference on Virtual Systems Multimedia (VSMM 2018), San Francisco. Oct. 26-30, 2018. IEEE. doi:10.1109/DigitalHeritage.2018.8810003. ISBN: 978-1-72812-002-7.

2018   Campiani, A., Liendo Stuardo, R., Lercari, N. Las Humanidades Digitales y el Patrimonio Arqueológico Maya: Resultados Preliminares de un Esfuerzo Interinstitucional de Documentación y Difusión. Digital Humanities 2018, DH 2018, Book of Abstracts, El Colegio de México, UNAM, and RedHD Mexico City. June 26-29, 2018. ISBN-13: 978-0-911221-62-6.

2017   Lingle, A. M., Lercari, N. Çatalhöyük Digital Preservation Project: Pilot program in integrated digital monitoring strategies. Proceedings of the International Council of Museums – Committee for Conservation (ICOM-CC) 18th Triennial Conference, Copenhagen. Sept. 4-8, 2017.

2016   Lercari, N., Schulze, J., Wendrich, W., Porter, B., Burton, M., Levy, T.E. 3-D Digital Preservation of At-Risk Global Cultural Heritage. Proceedings of the EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2016, Genova, Italy. Oct. 5-7, 2016. doi: 10.2312/gch.20161395.

2013   Lercari, N., Mortara, M., Forte, M. Unveiling California history through serious games: Fort Ross Virtual Warehouse. Proceedings of the Games and Learning Alliance. Games and Learning Alliance (GALA), Second International Conference, Paris 2013, Paris. Oct. 23-25, 2013.

2013   Lercari, N., Forte, M., Onsurez, L., Schultz, J. Multimodal Reconstruction of Landscape in Serious Games for Heritage. An insight on the creation of Fort Ross Virtual Warehouse serious game. Proceedings of the 2013 Digital Heritage International Congress (DigitalHERITAGE), Marseille, France, Oct. 28- Nov 01, 2013.

2012   Forte, M., Lercari, N., Onsurez, L., Issavi, J., Prather, E. The Fort Ross Virtual Warehouse Project: A Serious Game for Research and Education. Proceedings of the 18th International Conference on Virtual Systems and Multimedia- VSMM 2012, Milano, Italy, Sept. 2-5, 2012.

2011   Lercari, N., Toffalori, E., Spigarolo, M., Onsurez, L. Virtual Heritage in the Cloud: New Perspectives for the Virtual Museum of Bologna. Proceedings of the VAST 2011, 12th International Symposium on Virtual Reality, Archaeology and Cultural Heritage, Prato, Italy, Oct 18-21, 2011.

2010   Forte, M., Lercari, N., Galeazzi, F., Borra, D. Metaverse Communities and Archaeology: The Case of Teramo. Proceedings of the Third International Euro-Mediterranean Conference - EuroMed 2010 (pp. 79-84), Limassol, Cyprus, Nov. 8-13, 2010.

Submitted Works/Manuscripts under Review

Lercari, N., Wendrich, W., Porter, B., Burton, M., and T.E. Levy (eds.). A Sense of Urgency: Preserving At-Risk Archaeology in the Digital Age. Edited book submitted for review to the Cotsen Institute of Archaeology Press - UCLA.

Lercari, N. and Wendrich, W. A Sense of Urgency. In Lercari, N., Wendrich, W., Porter, B., Burton, M, and Levy, T. E. (eds.), A Sense of Urgency: Preserving Archaeology in the Digital Age. Chapter submitted for review to the Cotsen Institute of Archaeology Press - UCLA.

Campiani, A., Lingle, A., Lercari, N. A Diversified Approach to At-Risk Earthen Architecture Conservation: Implementing Digital Site Monitoring and Spatial Analysis at Çatalhöyük. In Lercari, N., Wendrich, W., Porter, B., Burton, M, and Levy, T. E. (eds.), A Sense of Urgency: Preserving Archaeology in the Digital Age. Chapter submitted for review to the Cotsen Institute of Archaeology Press - UCLA.

Guillem, A. and Lercari, N. Global Heritage, Knowledge Provenance, and Digital Preservation: A Critical Approach. In Lercari, N., Wendrich, W., Porter, B., Burton, M, and Levy, T. E. (eds.), A Sense of Urgency: Preserving Archaeology in the Digital Age. Chapter submitted for review to the Cotsen Institute of Archaeology Press - UCLA.

Lercari, N., Lingle, A., and Campiani, A. Developing and Testing Environmental Risk Mapping and Spatial Analysis for site monitoring: The Case of Çatalhöyük, Turkey. Paper submitted for review to Terra 2022 13th World Congress on Earthen Architectural Heritage, Santa Fe, New Mexico, USA (June 7-10, 2022).

Archaeological Field Reports and Other Reports to Governmental Agencies

Peer-Reviewed
2017   Lercari, N., Aboulhosn, J. Heritage Digital Documentation: Guides to Good Practices. Interagency Agreement (C16E0013). Sacramento, CA: California Department of Parks and Recreation.

Other
2018   Lercari, N., Campiani, A. Trabajos de mapeo digital y levantamiento 3D en Palenque. Informe Proyecto Regional Palenque Temporada 2018, Instituto Nacional de Antropología e Historia, México.

2016   Lercari, N., Lingle, A. M., Umurhan, O. Çatalhöyük Digital Preservation Project – Field season 2016 Report. Çatalhöyük Project - Stanford University. http://www.catalhoyuk.com/archive_reports/2016

2016   Lercari, N., Lingle, A. M. Çatalhöyük Digital Preservation Project. Çatalhöyük Project - Stanford University. http://www.catalhoyuk.com/archive_reports/2015

2016   Forte, M., Danelon, N., Biancifiori, E., Dell'Unto, N., Lercari, N. Building 89 and 3D Digging Project. Çatalhöyük Project - Stanford University. http://www.catalhoyuk.com/archive_reports/2015

2015   Forte, M., Lercari, N. Building 89 3D Digging Project - Season 2014. Çatalhöyük Project - Stanford University. http://www.catalhoyuk.com/archive_reports/2014

2014   Forte, M., Dell'Unto, N., Lercari, N. 3D Digging Project – Season 2013. Çatalhöyük Project - Stanford University. http://www.catalhoyuk.com/archive_reports/2013

RESEARCH-INFORMED DIGITAL HUMANITIES PRODUCTS

Original Geospatial Datasets/Online Digital Data Collections

Peer-Reviewed

2019   **Lercari, N.**, Busacca, G., Cox, G., Aboulhosn, J., Guillem, A., Campiani, A. Data from: A Glimpse through Time and Space: Visualizing Spatial Continuity and History-making at Çatalhöyük, Turkey - Version 2. UC San Diego Library Digital Collections. doi:10.6075/J0WD3XX2

2018   **Lercari, N.**, Cox, G., Busacca, G., Campiani, A., Aboulhosn, J. Data from: A Glimpse through Time and Space: Visualizing Social Memory and History-making at Çatalhöyük – Version 1. UC San Diego Library Digital Collections. doi:10.6075/J0SX6BDP

Other

2018   Campiani, A., Lercari, N., Lingle, A., Dahabra, M., Dueñas García, M., García, E., Yang, T., Flynn, J. Reps, C. Data from: Spatial Analysis and Heritage Conservation: Leveraging 3-D Data and GIS for Monitoring Çatalhöyük Earthen Architecture. UC San Diego Library Digital Collections. doi:10.6075/J0WD3XS8

2017   Lercari, N., Shiferaw, E., Forte, M., Kopper, R. Data from: Immersive Visualization and Curation of Archaeological Heritage Data: Çatalhöyük and the Dig@IT App. UC San Diego Library Digital Collections. doi:10.6075/J0CN71VP

Other DH Products / Software

2019 – Present California State Parks Mixed Reality Hub, platform for developing augmented reality and virtual reality mobile apps for the entire California State Parks system.

2018 – 2020   Lercari, N., Ngo, M., Singh, T., Aboulhosn, J. Citizen Preservationist app. Data capture/citizen science mobile app + data visualization platform and auxiliary scripts. doi:10.5281/zenodo.3895281

2016 – 2019   Lercari, N., Ngo, M., Aboulhosn, J. Virtually Rebuilding Çatalhöyük. Desktop + headset virtual reality application. doi:10.5281/zenodo.3905450

2016 –2018   Lercari, N., Ngo, M., Aboulhosn, J., Campiani, A. John Muir Geotourism app.

Mobile application. doi:10.5281/zenodo.3908623

2016 – 2018   Lercari, N., Dahabra, M. M3C2 Material Loss Calculation for MATLAB. MATLAB routine for Lidar data analysis. doi:10.5281/zenodo.3905446

2013 – 2017   Zielinski, D., Lercari, N., Shiferaw, E. Dig@IT.
Desktop + immersive (headset + Duke Immersive Virtual Environment - CAVE) virtual reality application. doi:10.5281/zenodo.3908663

2013 – 2015   Lercari, N., Lanzoni, K. Venice Virtual World.
Collaborative/online (OpenSim) virtual reality application.

2011 – 2013   Lercari, N., Schultz, J., Forte, M. Fort Ross Virtual Warehouse.
Serious game for heritage/desktop application.

2009 – 2011   Lercari, N., Camporesi, C., Rossi, F., Ticchi, A. Nu.M.E. 2010.
Desktop (Numesh) + collaborative/online (Second Life) + immersive (multi-panel PowerWall) virtual reality application. doi:10.5281/zenodo.3908908

AWARDS AND HONORS

2019   National Center for Faculty Development and Diversity (NCFDD) Success Program Tuition Award, UC Merced Senate Committee on Faculty Welfare and Academic Freedom, Merced, CA.

2017   Innovations in Networking Award for Research (Nicola Lercari, Greg Dawe, Rachel Hadley, and Jeffrey Weekley), Corporation for Education Network Initiatives in California (CENIC), La Mirada, CA.

GRANTS, FELLOWSHIPS, AND GIFTS

2020   Henry Luce Foundation's Higher Education Program, Developing Resilient and Integrative Humanities Research with San Joaquin Valley Communities. $350,000, PI – Anne Zanzucchi; Co-Director – Robin DeLugan; Faculty Co-Leads – Jayson Beaster-Jones, Kevin Dawson, Christopher Kello, Nicola Lercari.

2020   UC Merced Academic Senate Faculty Research Grants Program, Acquisition of UAV-based LiDAR SLAM for Investigating Paleo Environments. $5,000, PI – Nicola Lercari.

2020   Rust Family Foundation Archaeology Grants Program, Part to Whole: Shedding Light on the Organization of a Late Classic Residential Group at Palenque through Spatial Analysis and Field Investigation. $6,600, PI – Nicola Lercari.

2019   Supplement: Henry Luce Foundation's Higher Education Program, Building Research Partnerships in the San Joaquin Valley: Community Engaged Research and Graduate Mentorship in the Interdisciplinary Humanities. $49,995, PI – Marjorie Zatz; Co-PIs – Nicola Lercari, Robin DeLugan, Mario Sifuentez.

2019   California Department of Parks and Recreation, Researching and Implementing ADA Compliance for DPR Mixed Reality Native Apps, **$50,000, PI – Nicola Lercari**.

2018   California Department of Parks and Recreation, Fort Ross Cultural Trail Project, **$90,000, PI – Nicola Lercari.**

2018   Supplement: California Department of Parks and Recreation, Supplement - Creating Interactive 3D Online Visitor Experiences: A Pilot Project Integrating History,

Interpretation and 3D Documentation at Bodie State Historic Park, **$220,000, PI – Nicola Lercari**.

2018   Henry Luce Foundation's Higher Education Program, Building Research Partnerships in the San Joaquin Valley: Community Engaged Research and Graduate Mentorship in the Interdisciplinary Humanities. $280,000, PI – Mario Sifuentez; Co-PIs – Marjorie Zatz, Nicola Lercari, Robin DeLugan.

2017   California Department of Parks and Recreation, Creating Interactive 3D Visitor Experiences: A Pilot Project Integrating History, Interpretation and 3D Documentation at Humboldt Redwoods State Park, $15,000, PI – Nicola Lercari.

2017   UC Merced Center for the Humanities – Seed Grant for Public Humanities and Public Arts, Community Heritage Network, $19,970, PI – Nicola Lercari.

2017   National Science Foundation CC* Networking Infrastructure, Building a science DMZ network for UC Merced (NSF Award No: 1659210), **$422,460,** PI – Susanne Sindi; **Co-PIs – Nicola Lercari**, Ashlie Martini, Michael Spivey**.**

2017   Hellman Family Fellows Award, Digital Maya Heritage: A new approach to digital heritage documentation and dissemination in under-documented areas of Southern Mexico, **$18,000, PI – Nicola Lercari.**

2017   UC MEXUS Small Grants 2017, Initial Development for Collaborative Opportunities between UC Merced and Universidad Nacional Autónoma de México (UNAM): Proyecto Regional Palenque, $1,500, PI – Nicola Lercari.

2017   LYRASIS with Andrew W. Mellon Foundation prime, Community Heritage Network, $25,000, PI – Nicola Lercari.

2017   City of Waterford, Donation in support of the John Muir Geotourism App Project, $5,000, PI – Nicola Lercari.

2016   Graf-Pulvino Family Fund, John Muir Geotourism App Project, $20,000, PI – Nicola Lercari.

2016   Henry Luce Foundation's Higher Education Program, Planning Grant - Building Research Partnerships in the San Joaquin Valley: Community Engaged Research and Graduate Mentorship in the Interdisciplinary Humanities, $50,000, PI – Jill Robbins; Co-PIs – Marjorie Zatz, Robin DeLugan, Arturo Arias, and Nicola Lercari.

2016   California Department of Parks and Recreation, Creating Interactive 3D Online Visitor Experiences: A Pilot Project Integrating History, Interpretation and 3D Documentation at Bodie State Historic Park, $43,826, PI – Nicola Lercari.

2016   Resources Legacy Fund, California State Parks Initiative (RLF Grant # 2013-0387), $36,174, PI – Nicola Lercari.

2016   Archaeological Institute of America Site Preservation Grant, Çatalhöyük Digital Preservation Project; $25,000, PI – Nicola Lercari; Co-PI – Ashley M. Lingle.

2016   University of California Office of the President - Center for Information Technology Research in the Interest of Society (CITRIS) Seed Grant 2016, Bodie Digital Community: Connect with Your Past, $60,000, PI – Nicola Lercari; Co-PIs – Marcelo Kallmann and Arnav Jhala.

2015   University of California President's Research Catalyst Award, At-Risk Cultural Heritage

and the Digital Humanities (Grant ID: CA-16-376911), **$1.06 million ($159,127 UC Merced sub award)**, PI – Thomas E. Levy; **Co-PIs** – Willeke Wendrich, **Nicola Lercari**, Benjamin Porter, Jurgen Schultz.

2015   UC Merced Center for the Humanities Working Group Grant, Narrative and Visual Production, $2,000, PI – Paul Gibbons; Co-PIs – Nicola Lercari, Susan Varnot.

2015   UC Merced ReCCES, Faculty Grants for Undergraduate Directed Group Experiences in Community Engaged Research. $2,000 (January 1, 2016 - December 31, 2016).

2015   UC Merced Center for the Humanities Working Group Grant, Research and Preservation at the Cueva del Rey Kong-oy (Condoy), Oaxaca, Mexico, $2,000, PI – Holley Moyes; Co-PIs – Nicola Lercari.

2015   UC Merced Graduate Division Interdisciplinary Small Grants Program, Natural and Cultural Resources Preservation Interdisciplinary Research Group, $3,000, PI – Nicola Lercari.

RESEARCH PRESENTATIONS

Invited Talks

2019   Advances and Challenges in Digital Museum Collection Management, 3rd Annual Conference of Merced County Historical Society, Merced, CA (Oct. 22).

2019   Humanidades Digitales y Arqueología Comunitaria: El Caso de Bodie, California, EE.UU. **National Autonomous University of Mexico City (UNAM), Mexico (Sept. 26).**

2019   Conservación del Patrimonio y Tecnologías Digitales: Los Casos de Çatalhöyük, Turquía y Bodie, California, EE. UU. National Autonomous University of Mexico City (UNAM), Mexico (Sept. 24).

2019   Bodie in a Digital Age, **University of Arizona, Tucson, AZ (Jan 31).**

2018   Archaeological Citizen Science at Bodie State Historic Park, UC Berkeley, Berkeley, CA. (Nov. 27).

2018   Setting up the Public Humanities Digital Humanities Design Studio and the WAVE Visualization Facility, DH Infrastructure Symposium, **UCLA Center for Digital Humanities, Los Angeles, CA (Nov. 15).**

2018   Digital Archaeology and Heritage Across the "Old" World and "New" World, **CINECA Supercomputing Center, Bologna, Italy (July 4).**

2018   Digital Archaeology and Heritage Across the "Old" World and "New" World, **Bornholm Museum, Bornholm, Denmark (June 21).**

2018   Sustainable 3D Data Curation using Virtual Reality and Digital Collections, **Lund University, Lund, Sweden (June 19).**

2018   Protecting and Preserving Historical Resources in State Parks Utilizing New Technology: The Bodie 3D Project, California Preservation Foundation, Palo Alto, CA (May 19).

2017   Mapeo Tridimensional En Los Albores De La Civilización: Métodos 3D para la documentación, interpretación y visualización de Çatalhöyük, Turquía, **National Autonomous University of Mexico City (UNAM), Mexico (May 26).**

2017   Bodie 3D Project, California State Parks Leader's Training 2017, Asilomar, CA (Jan. 23).

2016   History-making and religious ritual in 4D: A Spatial and Temporal Virtual Reconstruction of Çatalhöyük History Houses, New Perspectives on Çatalhöyük: 3D Visualization and Archaeology Conference, Old Dominion University, VA (Dec. 3).

2016   Heritage Preservation and Emerging Technologies, CITRIS Research Exchange Seminar Series, **UC Berkeley, CA (Oct. 26).**

2016   3D Mapping at the Dawn of Civilization, Modeling Culture Conference, UC Santa Cruz, Santa Cruz, CA (Apr. 1).

2016   Interpretation Using Digital Technologies, Resources Management Cultural Advanced Training, California State Parks, Asilomar, CA (Mar. 1).

2015   Advancements in 3D Documentation Techniques: Bodie Digital Heritage Project, California Preservation Foundation Workshop, Vallejo, CA. (Nov. 4).

2015   Bodie Digital Heritage Project. California State Parks Transformation Team - Natural and Cultural Resources - Advisory Group Meeting, Sacramento, CA (Oct. 16).

2015   Heritage, Reality Computing, and the Cyber Future of Humanities Scholarship. UC Cyber-Infrastructure Conference 2015, Panel: Social Sciences, Humanities, and Education, UCLA, Los Angeles, CA. (Mar. 23).

Campus and Department Talks

2019   Community-Based Participatory Preservation: Integrating Community and Scientific Knowledge to Redefine Heritage Scholarship and Practice, Interdisciplinary Humanities Brown Bag Talk, UC Merced, Merced, CA (Nov. 19).

2016   Bodie Digital Heritage and Pacific Research Platform, CITRIS PRP Science Engagement Workshop, UC Merced, Merced, CA (Sept. 9).

2016   Bodie Digital Heritage Project, Geosummit 2016 – Discover the Power of GIS, UC Merced, Merced, CA (Apr. 8).

2014   From Plato's Cave to C.A.V.E. Simulation. Job Talk. UC Merced, Merced, CA. (Mar. 12).

CONFERENCE ACTIVITY

Panels Organized

2018   Special Sessions and Workshops, Digital Heritage International Congress 2018, San Francisco (Oct. 26-30).

2018   At-Risk World Heritage and the Digital Humanities Symposium, Society for American Archaeology (SAA) 83rd Annual Meeting, Washington D.C. (Apr 11-15).

Published Abstracts and Conference Presentations

2019   Lercari, N., Campiani, A., Lingle, A. M. Çatalhöyük Digital Preservation Project: Exploring Digital Methods in Archaeological Heritage Conservation. Archaeological Institute of America 120th Annual Meeting, San Diego, California (January 3-6).

2018   Lercari, N., Jaffke, D. Community-based Participatory Preservation and Citizen Science at Bodie State Historic Park. California State Parks Special Session - Digital Heritage International Congress 2018, San Francisco (Oct. 26-30).

2018   Guillem A., Lercari, N. From Laser scanning to BIM: towards a more integrated digital

workflow for architectural assets, case-study of the Julia Morgan's Hearthstone. California State Parks Special Session - Digital Heritage International Congress 2018, San Francisco (Oct. 26-30).

2018   Campiani, A., Lercari, N., Lingle, A. Analytical Models for At-Risk Heritage Conservation and 3D GIS. Society for American Archaeology (SAA) 83rd Annual Meeting, Washington D.C. (Apr 11-15).

2018   Lercari, N., Jaffke, D., Aboulhosn, J., Baird, G., Guillem, A. Citizen Science Archaeology at Bodie State Historic Park. Society for American Archaeology (SAA) 83rd Annual Meeting, Washington D.C. (Apr 11-15).

2018   Lingle, A., Lercari, N., Campiani, A., Duenas Garcia, M., Guillem, A. Terrestrial Laser Scanning and Conservation of at-risk World Heritage. Society for American Archaeology (SAA) 83rd Annual Meeting, Washington D.C. (Apr 11-15).

2018   Aboulhosn, J., Guillem, A., Lercari, N. Standalone PhotoScan VS PhotoScan Cluster Processing. 2018 Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference, Tübingen, Germany (Mar. 19-23).

2018   Guillem A., Bruseker G. T., Lercari, N. Learning through doing: an online game for appropriating ontological modelling methodology. 2018 Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference, Tübingen, Germany (Mar. 19-23).

2017   Lercari, N. and Weekley, J. Leveraging Wide-Area Visualization Environments (WAVE) and the Pacific Research Platform to create At-Risk Global Heritage Networks. 2017 Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference, Atlanta, GA (Mar. 14-16).

2017   Lercari, N., Jaffke, D. Bodie 3D Project: Best Practices for Heritage Digital Documentation at Bodie SHP. Society for California Archaeology Annual Meeting 2017, Fish Camp, CA (Mar. 9-12).

2015   Lercari, N. 3D visualization and reflexive archaeology: the virtual reconstruction of Çatalhöyük History houses. The 48th Chacmool Annual Conference, Calgary, Canada (Nov. 11-14).

2015   Lercari, N. Virtually Rebuilding Çatalhöyük History Houses. Society for American Archaeology (SAA) 80th Annual Meeting, San Francisco, CA (Apr. 15-19).

2015   Forte, M., Lercari, N. Digital Archaeology at Çatalhöyük: New Inferential Methods for the Interpretation of Neolithic Buildings. Society for American Archaeology (SAA) 80th Annual Meeting, San Francisco, CA (Apr 15-19).

2014   Lercari, N., Matthiesen, S., Zielinski, D., Kopper, R. Towards an Immersive Interpretation of Çatalhöyük at DiVE. American Schools of Oriental Research (ASOR) Annual Meeting 2014, San Diego, CA (Nov. 19-22).

2014   Lercari, N., Forte, M., Shiferaw, E., Kopper, R. Reshaping Remote Sensing and Virtual Reality at Çatalhöyük. Age of Sensing 5th International Conference on Remote Sensing in Archaeology, Durham, NC (Oct. 13-15).

2014   Lercari, N. Terrestrial Laser Scanning at Çatalhöyük: New Methodologies, Results, and Research Perspectives. Age of Sensing 5th International Conference on Remote Sensing

in Archaeology, Durham, NC (Oct. 13-15).

2014   Forte, M., Dell'Unto, N., Haddow, S., Lercari, N., Mazzucato, C. Interpretation Process at Çatalhöyük Using 3D. 20th Annual Meeting of the European Association of Archaeologists (EAA), Istanbul, Turkey (Sept. 10-14).

2013   Lercari, N., Forte, M., Zielinski, D., Kopper, R., Lai, R. Çatalhöyük @ DiVE: Virtual reconstruction and immersive visualization of a Neolithic building. Space2Place, Digital Heritage International Congress 2013, Marseille, France (Oct. 28- Nov. 01).

2013   Forte, M., Dell'Unto, N., Haddow, S., Lercari, N. 3D Documentation at Çatalhöyük: New Perspective for Digital Archaeology. Space2Place, Digital Heritage International Congress 2013, Marseille, France (Oct. 28-Nov. 1).

2013   Campana, S., Morelli, G., Catanzariti, G., Strutt, K., Forte, M., Lercari, N. 4D Surveys at Çatalhöyük (Turkey): Magnetometry, sa-GPR & hr-GPR, Laser scanning. Space2Place, Digital Heritage International Congress 2013, Marseille, France (Oct. 28- Nov. 1).

Discussant

2019   Challenges in Digital and Virtual Archaeology and Heritage Ethics Session, Society for American Archaeology (SAA) 84th Annual Meeting, Albuquerque, NM (Apr. 10-14).

PROFESSIONAL EXHIBITIONS

2018   The Curious Case of Çatalhöyük – 3D Content Consultant – Multimedia and Interactive 3D installations – **Brunei Gallery – London, UK (Oct. 12 - Dec. 15).**

2017   The Curious Case of Çatalhöyük – 3D Content Consultant – Multimedia and Interactive 3D installations – **Koç University Research Center for Anatolian Civilizations (ANAMED) – and Istanbul, Turkey (June 21 - Feb. 18).**

2016   Coulterville's Heritage in a Digital Age – Curator – Remote sensing data, 3D visualization, and community-engaged heritage research **– Independent Orders of Odd Fellows Lodge, Coulterville, CA. (Apr. 2-24).**

2012   Art and Science Gala – The intersection of Image and Research – 3D Content Specialist – Interactive 3D applications and stereographic visualization – Berkeley Arts Festival Gallery, Berkeley, CA. (Nov. 8-9).

2011   3D Archaeology at Çatalhöyük Exhibit – 3D Content Specialist – Interactive 3D applications, holographic and stereographic visualization – Stanford Archaeological Center – Stanford, CA. (May 6-7).

2011   Virtual Western Han Dynasty Exhibit – 3D Content Specialist – Interactive 3D applications and stereographic visualization – CITRIS Tech Museum – University of California Berkeley, Berkeley, CA. (Apr. 16).

TEACHING EXPERIENCE

Scheduled Teaching

University of California, Merced

- Readings in the Digital Humanities (graduate seminar: Fall 2019).
- Digital Humanities Data Curation and Dissemination (graduate seminar: Fall 2018).

- Faculty Directed Study Group (graduate ind. study: Spring 2019, Spring 2018, Spring 2016).
- Directed Independent Study (graduate ind. study: Spring 2017, Fall 2019, Spring 2020).
- Digital Methods of Heritage Documentation and Preservation (graduate seminar: Fall 2015).
- Methods in Digital Heritage (upper-level undergraduate: Spring 2020, Spring 2019, Spring 2018, Spring 2017, Spring 2016).
- World Heritage Independent Study (undergraduate: Spring 2018).
- 3D Modeling Cultural Heritage (upper-level undergraduate: Fall 2017).
- Introduction to Digital Heritage (lower-level undergraduate: Fall 2017, Fall 2016, Spring 2015).
- International Heritage (lower-level undergraduate: Fall 2012).
- Cyber Heritage (lower-level undergraduate: Spring 2010 - Fall 2012).
  Duke University
- Virtual Form and Space (upper-level undergraduate: Spring 2014, Fall 2013)
  Special Pedagogical Activities

Duke University
- Virtual Form and Space (upper-level undergraduate: Spring 2014, Fall 2013)

Special Pedagogical Activities

University of California, Merced

2017   Preparing for Humanities Employment Workshop, Faculty Mentor, Interdisciplinary Humanities Graduate Group.

2015   Nuts, Bolts, and Professionalization Workshop, Faculty Mentor, Interdisciplinary Humanities Graduate Group.

2015   IH206 Methods and Research, Guest Lecture, Interdisciplinary Humanities Graduate Group.

2015   WH004 World Heritage in Maps, Guest Lecture, World Heritage Program.

MENTORING

Postdoctoral Scholars

2017 – 2019   Arianna Campiani, Ph.D., Principal Investigator/Supervisor, UC Merced.

Ph.D. Dissertation Committees

2019 – Present   Catherine Yeager, Main Advisor, UC Merced.
2018 – Present   Cristyna Galarza, Dissertation Committee Member, UC Merced.
2018 – Present   Graham Goodwin, Main Advisor, UC Merced.
2018 – Present   Mirko De Tomassi, Main Advisor, UC Merced.
2018 – Present   Miriam Campos Martínez, Dissertation Committee Member, UC Merced.
2017 – Present (Ph.D. Candidate in 2020)   Anaïs Guillem, Main Advisor, UC Merced.
2017 – Present (Ph.D. Candidate in 2020)   Manuel Dueñas Garcia, Main Advisor, UC Merced.

2015 – Present   Erin Renn, Dissertation Committee Member, UC Merced.
2014 – Defended in 2020   Gesualdo Busacca, Member, Stanford University.

Master's Committees

2016   Graduated in 2017   Pedro Carvajal, Master's Thesis Committee Member, UC Merced.

Visiting Scholars

2016   Manuel Dueñas Garcia, Host, UC Merced.

Undergraduate Leadership Programs

2018   Aldo Montez-Sanchez, Summer Research Institute (SURI), Undergraduate Research
        Opportunity Center-Humanities (UROC-H), UC Merced.
2018   Melvis Villeda, Summer Research Institute (SURI), Undergraduate Research Opportunity
        Center-Humanities (UROC-H), UC Merced.
2016   Tristan Yang, World Heritage Research Experience (WHERE), UC Merced.

RESEARCH EXPERIENCE

University of California, Merced

2018 – Present   Fort Ross Cultural Trail Project, Principal Investigator
2017 – Present   Palenque Regional Project/Maya Digital Heritage, Co-Director
2016 – Present   Bodie 3D Project, Principal Investigator
2016 – Present   Heritage Interpretation Visualization and Experience Lab, Director.
2016 – 2017   Community Heritage Network project, Principal Investigator
2016 – 2018   John Muir Geotourism App Project, Principal Investigator
2015 – 2016   Historic Coulterville Digital Preservation Project, Faculty Lead
2015 – 2018   Çatalhöyük Digital Preservation Project, Co-Director.
2011 – 2012   3D Digging at Çatalhöyük Project, Postdoctoral Scholar.

Duke University

2013 – 2014   Venice Virtual World Project, Postdoctoral Scholar.
2013 – 2014   Fort Ross Virtual Warehouse Project, Postdoctoral Scholar.
2013 – 2014   3D Digging at Çatalhöyük Project, Postdoctoral Scholar.

UNIVERSITY SERVICE

UC System-wide

2017   CITRIS Seed Grants program 2017 Faculty Review Panel, Reviewer.
2015   Next Generation Research and the University of California: Planning for the Future of
        UC's Cyber Infrastructure, Guest Speaker.

UC Merced Academic Senate

2019 – Present   Merced Division of the Academic Senate - Committee on Committees

(CoC), Voting Member.

Campus-wide Service

2018 – Present   Committee on Research Computing (CoRC), Member.
2016 – Present   Wide-Area Visualization Environment Steering Committee, Chair.
2015 – Present   Spatial Analysis and Research Center (SpARC) Steering Committee, Member.
2018   Community Heritage Network Symposium, Organizer.
2018   Digital Heritage Symposium, Organizer.
2016   Community Heritage Network Workshop: Collections Manag., Organizer.
2015 – 2016   World Heritage Research Experience – UROC Leadership Program, Co-chair.
2016   Interdisciplinary Small Grant Program 2016, Reviewer.
2015   Campus Natural Reserve Faculty Director Search Advisory Committee.
2015 – 2016   Virtual Reality CAVE Task Force.
2016   Cult. and Nat. Res. Group – Grant Writing Workshop, Organizer.
2016   Symposium on the Role of Community Engagement in Preservation Management, Organizer.
2015   UC Merced Research Computing Task Force.
2015   Symposium on Preservation, Technology, and Development, Organizer.
2015   Symposium on Virtual Reality and Visualization for Interdisciplinary Research, Organizer.

School/College Service

2014 – 2016   World Heritage Committee (World Heritage Minor), Co-Chair.
2019   LUCE Foundation Jr. Specialist/Public Humanities Design Studio Lab Manager, Search Committee Member.

Interdisciplinary Humanities (IH) Graduate Group

2020 – Present   IH Advising Committee, Member.
2016 – 2017   IH Executive Committee, Member.

Department of Anthropology and Heritage Studies

2018   Promotion Review Committee for Anthropology and Heritage Studies Faculty Member.
2018   Merit Review Committee for Anthropology and Heritage Studies Faculty Member.

Humanities and World Cultures (HWC) Department

2017   HWC Reconstitution Committee - Team B Sub-Committee
2017   Shared Humanities Space Committee, Chair
2016 – 2017   HWC Executive Committee, Member
2015   Promotion Review Committee for Humanities and World Cultures Faculty
2015, 2016   Merit Review Committee for Humanities and World Cultures Faculty

2015   Lecturer in World Heritage Search, 2015, Co-Chair

SERVICE TO THE PROFESSION

2020   Heritage Science, Reviewer.
2018 – 2020   Journal of Computing and Cultural Heritage, Reviewer.
2019   Canada Foundation for Innovation John R. Evans Leaders Fund grant, Reviewer. 2017 –
    2018   Digital Heritage International Congress 2018 – Co-Chair
2018   Oxford University Press, Reviewer. 2017   Geosciences, Reviewer.
2016 – 2018   Journal of Cultural Heritage, Reviewer.
2015 – 2018   Digital Applications in Archaeology and Cultural Heritage, Reviewer.
2015 – 2016   California State Parks Transformation Team - Natural & Cultural Resources
    Committee Cultural Advisory Group, Member, Sacramento, CA.
2015   Current Anthropology, Reviewer.
2015   Open Archaeology, Reviewer.
2015   Ashgate Publishing, Reviewer.
2015   Digital Heritage International Congress 2015 – Reviewer.
2013 – 2014   International Society on Virtual Systems and MultiMedia (VSSM) Board of
    Advisors, Member.

RELATED PROFESSIONAL SKILLS

2018   Remote Pilot Certificate with Small UAS rating (drone pilot license), U.S. Dept. of
2012   Transportation, Federal Aviation Administration (March 2018, Atwater, CA).
    Teaching with New Media, University of California, Merced Center for Research on
2008   Teaching Excellence. (2012 - May 2013, Merced CA).
    Integrated Digital Technologies applied to Cultural Heritage, Italian National Research
2006   Council – CNR ITABC. (November 2008. Rome, Italy).
    Interactive Graphics, CINECA Research Center. (October 2006, Bologna, Italy).

LANGUAGES

English: reading (excellent), speaking (excellent), writing (excellent). Italian: reading (native),
    speaking (native), writing (native).
Spanish: reading (excellent), speaking (excellent), writing (fluent). French: reading (good),
    speaking (conversational), writing (basic).

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

2015 – 2020   Society for American Archaeology (SAA).
2016 – 2020   Sierra Nevada Research Institute (SNRI).
2015 – 2020   Association of Critical Heritage Studies (ACHS).
2015 – 2019   Archaeological Institute of America (AIA).
2015 – 2020   Center for Information Technology Research in the Interest of Society.
2017, 2020   Computer Applications and Quantitative Methods in Archaeology (CAA).

2014   American Schools of Oriental Research (ASOR).
2013 – 2014   International Society on Virtual Systems and MultiMedia (VSSM).