

Nicola Lercari

Curriculum Vitae

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[Ludwig-Maximilians-Universität München](https://www.lmu-muenchen.de/en)

Institute for Digital Cultural Heritage Studies

Akademiestraße 7/320, 80799 Munich

Office Phone: +49 (0)89/ 2180-73421

E-mail: n.lercari@lmu.de

Website: www.dkes.fak12.lmu.de

ORCID: [0000-0002-8122-1440](https://orcid.org/0000-0002-8122-1440)

Scopus Author ID: [55548350300](https://scopus.com/authid/detail.uri?authorid=55548350300)

Google Scholar ID: [QmHli0kAAAAJ](https://scholar.google.com/citations?user=QmHli0kAAAAJ)

EDUCATION

2011 Ph.D., History and Computer Science, Dept. of History and Cultures, Univ. of Bologna.

PROFESSIONAL APPOINTMENTS

2022 – Present Full Professor and Chair of Digital Cultural Heritage Studies, LMU Munich.
2021 Associate Professor of Heritage Studies, University of California, Merced.
2015 – 2021 Assistant Professor of 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 & World Cultures, UC Merced.
2010 – 2012 Lecturer, Dept. of Humanities & World Cultures, UC Merced.

GRANTS, FELLOWSHIPS, AND GIFTS

2024 Fakultät Kulturwissenschaften, DFG-Program Grants (Winter Semester 2024/25), 10.000 €, PI – Nicola Lercari; Co-PI – Philipp Schorch.
2024 LMU-UCB Research in the Humanities funding period 2025, 4.280 €, PI LMU-Munich – Nicola Lercari; (\$5,037, PI UC Berkeley – Rosemary Joyce).
2024 LMUexcellent: Study Program Development Fund, 53.212 €, PI – Nicola Lercari.
2021 National Science Foundation (NSF) Major Research Instrumentation, MRI: Acquisition of Hovermap Rapid Data Capture and 3D Imaging of GPS-Denied Spaces (NSF Award No: 2117877), **\$145,277**, PI – Holley Moyes; Co-PIs – **Nicola Lercari**, Yangquan Chen, Mark Aldenderfer.
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 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 – Marjorie Zatz; Co-PIs – 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 (NSF) 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 digital heritage documentation and dissemination approach 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 Schulze.
- 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 (Conday), 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.

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.

PUBLICATIONS

Peer-reviewed Books

- 2022 **Lercari, N.**, Wendrich, W., Porter, B. W., Burton, M. M., and T. E. Levy (eds.). 2022. *Preserving Cultural Heritage in the Digital Age: Sending Out an S.O.S.* New Directions in Anthropological Archaeology. Sheffield: Equinox Publishing. [ISBN-13: 9781800501263](#).

Peer-reviewed Journal Articles

- In Press Lanteri R., Tanasi D., **Lercari N.**, Jimenez Delgado G., Calderone D., Trapani P., Hassam S. 2025. In volo sopra Eloro. Remote sensing e visualizzazione 3D per l'interpretazione del paesaggio urbano di una colonia greca di Sicilia. *Archeologia Aerea* XVIII.2024 (2025), pp. 86-95.
- 2024 De Tomassi, M. and N. Lercari. 2024. Understanding taphonomy through 3D and 2D records: a case study from the tropical Maya area. *J. of Archaeological Method and Theory* 32, 17 (2025). [DOI: 10.1007/s10816-024-09685-2](#).

- 2024 Calderone, D., Lercari, N., Tanasi, D., Busch, D., Hom, R. and R. Lanteri. 2024. Tackling the Thorny Dilemma of Mapping Southeastern Sicily's Coastal Archaeology Beneath Dense Mediterranean Vegetation: A Drone-based LiDAR Approach. *Archaeological Prospection*. [DOI: 10.1002/arp.1956](https://doi.org/10.1002/arp.1956).
- 2024 **Lercari, N.**, Tanasi, D., Sonnemann, T., Hassam, S., Calderone, D., Trapani, P., Ruider, L. and R. Lanteri. 2024. Archaeology of Archaeology at Heloros: Re-interpreting the Urban Layout of a Complex Greek Settlement in Sicily using Proximal Sensing and Data Fusion. *Digital Applications in Archaeology and Cultural Heritage* 33:e00327. [DOI: 10.1016/j.daach.2024.e00327](https://doi.org/10.1016/j.daach.2024.e00327).
- 2023 Campiani, A., **Lercari, N.**, Jiménez Delgado, G., López Mejía, J., Mcavoy, S., Liendo Stuardo, R., and M. De Tomassi. 2023. LiDAR, proximal sensing, and data visualization at the Maya city of Palenque and its surrounding region. *Archeologia Aerea XVI.2022* (2023), pp. 271-282.
- 2023 Campiani, A., Mcavoy, S., **Lercari, N.**, Liendo Stuardo, R., Jiménez Delgado, G., López Mejía, J., Rissolo, D., and Falko Kuester. 2023. Developing an interoperable cloud-based visualization workflow for 3D archaeological heritage data: The Palenque 3D Archaeological Atlas. *Digital Applications in Archaeology and Cultural Heritage* 31: e00293. [DOI: 10.1016/j.daach.2023.e00293](https://doi.org/10.1016/j.daach.2023.e00293)
- 2022 Dueñas-Garcia, M., Campos-Martinez, M. S., and **N. Lercari**. 2022. Evaluating settlement defensibility during the late classic: a geospatial approach to the study of conflict in ancient Aguascalientes, Mexico. *Journal of Conflict Archaeology*, 17 (3). [DOI: 10.1080/15740773.2022.2124143](https://doi.org/10.1080/15740773.2022.2124143).
- 2022 Campiani, A., Liendo Stuardo, R., and **N. Lercari**. 2022. The Mausoleum Architectural Project: Reinterpreting Palenque's Temple of The Inscriptions through 3D Data-driven Architectural Analysis. *Ancient Mesoamerica* 33(2):278-293. [DOI:10.1017/S0956536120000498](https://doi.org/10.1017/S0956536120000498).
- 2021 Lercari, N.**, Jaffke, D., Campiani, A., Guillem, A., McAvoy, S., Jiménez Delgado, G., and A. Bevk Neeb. 2021. Building Cultural Heritage Resilience through Remote Sensing: An Integrated Approach Using Multi-Temporal Site Monitoring, Datafication, and Web-GL Visualization. *Remote Sensing* 13, no. 20: 4130. [DOI: 10.3390/rs13204130](https://doi.org/10.3390/rs13204130).
- 2020 Lercari, N.** and D. Jaffke. 2020. Implementing Participatory Site Stewardship through Citizen Science and Mobile Apps: The Case of Bodie, California. *Advances in Archaeological Practice*, 8 (4): 337-350. [DOI:10.1017/aap.2020.29](https://doi.org/10.1017/aap.2020.29).
- 2020 Lercari, N.** and G. Busacca. 2020. 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](https://doi.org/10.5325/jeasmedarcherstu.8.2.iii).
- 2019 Lercari, N.** 2019. 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](https://doi.org/10.1016/j.culher.2019.04.005).
- 2019 Campiani, A., Lingle, A. M. and **N. Lercari**. 2019. 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](https://doi.org/10.1016/j.culher.2019.02.011).
- 2018 Lercari, N.**, Arksey, M., Caskey, C., Thornburg, M. and R. DeLugan. 2018. 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](https://doi.org/10.33596/coll.16).
- 2018 Lercari, N.**, Shiferaw, E., Forte, M. and R. Kopper. 2018. 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](https://doi.org/10.1007/s10816-017-9340-4).
- 2017 Lercari, N.** 2017. 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](https://doi.org/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. and J.S. Taylor. 2015. 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](https://doi.org/10.15184/aqy.2014.43).
- 2012 Forte, M., Dell'Unto, N., Issavi, J., Onsurez, L. and **N. Lercari**. 2012. 3D Archaeology at Çatalhöyük. *International Journal of Heritage in the Digital Era*, 1 (3), 351-378. [DOI:10.1260/2047-4970.1.3.351](https://doi.org/10.1260/2047-4970.1.3.351).

Peer-reviewed Book Chapters

- 2023 Goodwin, G. and **N. Lercari**. 2023. Reconstructing Past Experience Using Virtual Reality. In J. Yoshimi, P. Walsh and P. Londen (eds.), *Horizons of Phenomenology: Essays on the State of the Field and Its Applications*. Vol. 122. Contributions to Phenomenology (pp. 325-336). Cham: Springer International Publishing. ISBN: 978-3-031-26073-5. [DOI:10.1007/978-3-031-26074-2](https://doi.org/10.1007/978-3-031-26074-2).
- 2023 Tanasi, D. et al. 2023. Datafication of an Ancient Greek City: Multi-sensorial Remote Sensing of Heloros (Sicily). In: Rousseau, JJ., Kapralos, B. (eds) Pattern Recognition, Computer Vision, and Image Processing. ICPR 2022 International Workshops and Challenges. ICPR 2022. Lecture Notes in Computer Science, vol 13645. Springer, Cham. [DOI:10.1007/978-3-031-37731-0_11](https://doi.org/10.1007/978-3-031-37731-0_11).
- 2022 Lercari, N.** & W. Wendrich. 2022. A Sense of Urgency. In Lercari, N., Wendrich, W., Porter, B. W., Burton, M. M., and T.E. Levy (eds.). *Preserving Cultural Heritage in the Digital Age: Sending Out an S.O.S.* (pp. 1-12). New Directions in Anthropological Archaeology. Sheffield: Equinox Publishing. [ISBN-13: 9781800501263](https://doi.org/10.1080/9781800501263).
- 2022 Campiani, A., Lingle, A. and **N. Lercari**. 2022. A Diversified Approach to Earthen Architecture Conservation: Implementing Digital Monitoring and Spatial Analysis at Çatalhöyük. In Lercari, N., Wendrich, W., Porter, B. W., Burton, M. M., and T. E. Levy (eds.). *Preserving Cultural Heritage in the Digital Age: Sending Out an S.O.S.* (pp. 79-109). New Directions in Anthropological Archaeology. Sheffield: Equinox Publishing. [ISBN-13: 9781800501263](https://doi.org/10.1080/9781800501263).
- 2022 Guillem, A. and **N. Lercari**. 2022. Global Heritage, Knowledge Provenance, and Digital Preservation: A Critical Approach. In Lercari, N., Wendrich, W., Porter, B. W., Burton, M. M., and T. E. Levy (eds.). *Preserving Cultural Heritage in the Digital Age: Sending Out an S.O.S.* (pp. 26-41). New Directions in Anthropological Archaeology. Sheffield: Equinox Publishing. [ISBN-13: 9781800501263](https://doi.org/10.1080/9781800501263).
- 2021 Forte, M., Dell'Unto, N., and **N. Lercari**. 2021. Digital Çatalhöyük: A Cyber-Archaeological Approach. In Hodder I. and Tsoraki C. (eds.), *Communities at Work: The Making of Çatalhöyük* (pp. 89-102). London: British Institute at Ankara, Monograph 55, Çatalhöyük Research Project Series No. 15. ISBN: 9781912090211.
- 2018 Lercari, N.** 2018. "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.** 2016. 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](https://doi.org/10.1007/978-3-319-40658-9_1).
- 2016 Lercari, N.** 2016. 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](https://doi.org/10.1007/978-3-319-22041-3_13).
- 2016 Forte, M., Dell'Unto, N., Jonsson, K., and N. Lercari.** 2016. 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. and M. Forte.** 2014. 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.** 2011. Nuove Forme di Comunicazione per Nu.M.E. In F. Bocchi and 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.** 2010. 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

- In press **Lercari, N., Lingle, A., and A. Campiani.** 2023. Developing and Testing Environmental Risk Mapping and Spatial Analysis for Site Monitoring: The Case of Çatalhöyük's South Area. In *Proceedings of Terra 2022 13th World Congress on Earthen Architectural Heritage*, Santa Fe, New Mexico, USA (June 7-10, 2022). Accepted 2021 – Forthcoming March 2025.
- 2024 Lercari, N.** 2024. Modeling The Neolithic: 3d Multi-Temporal Visualization as A Tool To Examine History Making At Çatalhöyük, Turkey. In *Adaptive Cities? Proceedings of the 10th Associazione Italiana per la Storia Urbana (AISU) Congress* (pp. 1261-1272), Turin, Italy (Sept. 6-10, 2022). ISBN 978-88-31277-09-9.
- 2024 Lanteri, R., Tanasi, D., Lercari, N., Hassam, S., Calderone, D. and P. Trapani.** 2024. Eloro (Noto): Risultati delle campagne di telerilevamento 2021-2023, in M. C. Parello (ed), *L'isola dei tesori. Ricerca archeologica e nuove acquisizioni. Atti del Convegno internazionale* (Agrigento, Museo Archeologico Regionale "Pietro Griffo", 14-17 dicembre 2023, Bologna: Ante Quem, pp. 273-281. ISBN: 8878492019. (Dec. 14-17).
- 2018 Lercari, N., Campiani, A. and R. Liendo Stuardo.** 2018. Intra-site Digital Documentation of the Ancient Maya City of Palenque, Mexico. *Proceedings of the 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](https://doi.org/10.1109/DigitalHeritage.2018.8810003). ISBN: 978-1-72812-002-7.

- 2018 Campiani, A., Liendo Stuardo, R. and **N. Lercari**. 2018. 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. and **N. Lercari**. 2017. 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., and T.E. Levy. 2016. 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](https://doi.org/10.2312/gch.20161395).
- 2013 **Lercari, N.**, Mortara, M. and M. Forte. 2013. 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. and J. Schultz. 2013. 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. and E. Prather. 2012. 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. and L. Onsurez. 2011. 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. and D. Borra. 2010. 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.

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

- 2021** Lercari, N., Jaffke, D., McAvoy, S., Campiani, A. and G. Jiménez Delgado. 2021. Data from: Building Cultural Heritage Resilience through Remote Sensing: An Integrated Approach Using Multi-Temporal Site Monitoring, Datafication, and Web-GL Visualization. UC San Diego Library Digital Collections. [DOI:10.6075/J0WH2Q4X](https://doi.org/10.6075/J0WH2Q4X)
- 2019** Lercari, N., Busacca, G., Cox, G., Aboulhosn, J., Guillem, A., Campiani, A. 2019. 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](https://doi.org/10.6075/J0WD3XX2)
- 2018** Lercari, N., Cox, G., Busacca, G., Campiani, A., Aboulhosn, J. 2018. 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](https://doi.org/10.6075/J0SX6BDP)

Other

- 2023** Campiani, A., McAvoy, S., Lercari, N. and Liendo Stuardo, R. Palenque 3D Archaeological Atlas. [DOI: 10.34946/D6KS34](https://doi.org/10.34946/D6KS34)
- 2018 Campiani, A., Lercari, N., Lingle, A., Dahabra, M., Dueñas García, M., García, E., Yang, T., Flynn, J. and C. Reps. 2018. 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](https://doi.org/10.6075/J0WD3XS8)
- 2017 Lercari, N., Shiferaw, E., Forte, M., Kopper, R. 2017. 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](https://doi.org/10.6075/J0CN71VP)

Other DH Products / Software

- 2019 – 2023 California State Parks Virtual Adventurer app, a platform for developing mixed reality apps for the entire California State Parks system
iOS <https://apps.apple.com/us/app/virtual-adventurer/id6443738295>
Android: <https://play.google.com/store/apps/details?id=com.timelooper.xplorecsp>
- 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](https://doi.org/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](https://doi.org/10.5281/zenodo.3905450)
- 2016 – 2018 Lercari, N., Ngo, M., Aboulhosn, J. and A. Campiani. John Muir Geotourism app. Mobile application. [DOI:10.5281/zenodo.3908623](https://doi.org/10.5281/zenodo.3908623)
- 2016 – 2018 Dahabra, M., Reps, C. Aboulhosn, J., and N. Lercari. M3C2 Material Loss Calculation for MATLAB. MATLAB routine for Lidar data analysis. [DOI:10.5281/zenodo.3905446](https://doi.org/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](https://doi.org/10.5281/zenodo.3908663)
- 2013 – 2015 Lercari, N., Lanzoni, K. [Venice Virtual World](https://doi.org/10.5281/zenodo.3908663). Collaborative/online (OpenSim) virtual reality application.
- 2011 – 2013 Lercari, N., Schultz, J., Forte, M. [Fort Ross Virtual Warehouse](https://doi.org/10.5281/zenodo.3908663). Serious game for heritage/desktop application.
- 2009 – 2011 Lercari, N., Camporesi, C., Rossi, F., Ticchi, A. [Nu.M.E. 2010](https://doi.org/10.5281/zenodo.3908663). Desktop (Numesh) + collaborative/online (Second Life) + immersive (multi-panel PowerWall) virtual reality application. [DOI:10.5281/zenodo.3908908](https://doi.org/10.5281/zenodo.3908908)

RESEARCH PRESENTATIONS

Invited Talks

- 2024 Implementing Participatory Site Stewardship through Citizen Science and Mobile Apps at Bodie State Historic Park, California, Universität Heidelberg, Heidelberg Zentrum Kulturelles Erbe, Heidelberg, Germany (June 19).
- 2023 A new digitization workflow for Egyptian coffins: from creating Digital Twins to enriching metadata via Large Language Models, LMU-UCB Research in the Humanities, Coffins in 3D Workshop, **UC Berkeley, Berkeley, CA, USA** (Nov. 29).
- 2023 Archaeology of Archaeology at Heloros: Re-interpreting the Urban Layout of a Complex Greek Settlement in Sicily using Proximal Sensing and Data Fusion, Linking Pasts and Sharing Knowledge. Mapping Archaeological Heritage, Legacy Data Integration and Web Technologies for Modelling Historical Landscapes Hybrid Conference. **University of Naples Federico II, Naples, Italy** (Nov. 13).
- 2023 Harnessing the power of Artificial Intelligence for Studying Ancient Cultures, Munich Center for Machine Learning (MCML) Meets Humanities 2023. Hochschule für Philosophie München, Munich, Germany (Oct. 16).
- 2022 LiDAR, Proximal Sensing, and Data Visualization at the Maya City of Palenque. Workshop Understanding ancient urbanism: urban form, site planning, and unintended consequences of the Classic Maya city. **Sapienza University of Rome, Rome, Italy (Oct. 20)**.
- 2021 Modeling the Neolithic: 3D Simulation, Knowledge Representation, and Toolmaking (Theirs and Ours). UC Irvine, Irvine, CA, USA (Oct. 29)
- 2020 Drone Imaging and Remote Sensing of Cultural Heritage Sites, Italian Scientists and Scholars in North America Foundation (ISSNAF) Bay Area Chapter (BAC) Connect. (Nov. 19 – virtual event).
- 2020 Nuevas tecnologías en la documentación y análisis arqueológico, Seminario Convergencias Antropológicas: Conversatorio Transdisciplinarios y Transatlánticos. National Autonomous University of Mexico City (UNAM), Mexico City, Mexico (July

- 22 – virtual).
- 2019 Advances and Challenges in Digital Museum Collection Management, 3rd Annual Conference of Merced County Historical Society, Merced, CA, USA (Oct. 22).
 - 2019** Humanidades Digitales y Arqueología Comunitaria: El Caso de Bodie, California, EE.UU. **National Autonomous University of Mexico City (UNAM), Mexico City, 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 City, Mexico (Sept. 24).
 - 2019** Bodie in a Digital Age, **University of Arizona, Tucson, AZ, USA (Jan 31).**
 - 2018 Archaeological Citizen Science at Bodie State Historic Park, UC Berkeley, Berkeley, CA, USA. (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, USA (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, USA (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 Confer., Old Dominion University, VA, USA (Dec. 3).
 - 2016** Heritage Preservation and Emerging Technologies, CITRIS Research Exchange Seminar Series, **UC Berkeley, CA, USA (Oct. 26).**
 - 2016 3D Mapping at the Dawn of Civilization, Modeling Culture Conference, UC Santa Cruz, Santa Cruz, CA, USA (Apr. 1).
 - 2016 Interpretation Using Digital Technologies, Resources Management Cultural Advanced Training, California State Parks, Asilomar, CA, USA (Mar. 1).
 - 2015 Advancements in 3D Documentation Techniques: Bodie Digital Heritage Project, California Preservation Foundation Workshop, Vallejo, CA., USA (Nov. 4).
 - 2015 Bodie Digital Heritage Project. California State Parks Transformation Team - Natural and Cultural Resources - Advisory Group Meeting, Sacramento, CA, USA (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, USA. (Mar. 23).

Campus and Department Talks

- 2024 The Making of Çatalhöyük: An Overview of the 2009-2017 Excavations and the Impact of Multivocality and 3D Technology on its Interpretation, LMU Munich, Kolloquium zum Alten Orient (July 16).
- 2024 Baskets2Bytes: Developing a community-based participatory preservation framework for Indigenous basketry collections in California, LMU Munich, Digital Things in Motion Workshop (Feb. 09).
- 2023 Beyond 3D Documentation: Using Terrestrial Laser Scanning and 3D Data-driven Architectural Analysis to investigate Classic Maya architecture at Palenque, Mexico, LMU Munich, Historic Spaces and Multisensory Experiences Workshop (Oct. 11).
- 2023 Preserving Heritage as Data, State Museum for Egyptian Art, LMU-UCB Research in the Humanities, Coffins in 3D Workshop (July 10).
- 2023 Preserving Cultural Heritage in a Digital Age: Reflecting on the Past, Present, and Future of Heritage in the 21st Century, LMU Munich, Inaugural Lecture of the Chair of Digital Cultural Heritage Studies (June 21).
- 2023 Protecting California's Diverse Cultural Heritage through Community-based Participatory Research: New Approaches and Epistemologies, LMU Munich, Diversity 4Research@LMU Initiative (June 6.)
- 2022 Moving Beyond 3D Documentation: 3D Data-driven Architectural Analysis and Online Data Curation at Palenque, LMU Munich, Münchner Zentrum für Antike Welten, Magic in 3D: a roundtable on the application of Digital Humanities and photogrammetry to the study of magical objects and texts (Jul. 8).
- 2022 Modeling the Neolithic: 3D Simulation, Knowledge Representation, and Toolmaking (Theirs and Ours). LMU Munich, Prehistoric and Early Historical Archaeology Research Colloquium (June 22).
- 2022 Artificial intelligence in landscape archaeology and ancient topography, LMU Munich, NextGen AI Roundtable (Jan. 26).
- 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

- 2024 Tanasi, D., Lercari, N., Lanteri, R., Calderone, D., Trapani, P., and S. Hassam. Re-interpreting the Urban Layout of the Greek City of Heloros (Sicily) using Proximal Sensing and Data Fusion. Archaeological Institute of America 2024 Annual Meeting. Chicago (Jan. 4-7).
- 2023 Lercari, N. and A. Campiani. Re-thinking Our Digital Archaeological Practice through 3D Data-driven Analysis and Interpretative Visualization: Lessons Learned at Çatalhöyük and Palenque. 50th Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference, Amsterdam (Apr. 3-6).
- 2023 Lercari, N., Tanasi, D., Sonnemann, T., Hassam, S., Calderone, D., Trapani, P., Ruider, L., and R. Lanteri. Archaeology of Archaeology at Heloros: Re-interpreting the Urban Layout of a Complex Greek Settlement in Sicily using Proximal Sensing and Data Fusion. 50th Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference, Amsterdam (Apr. 3-6).
- 2023 Tanasi, D., Lercari, N., Sonnemann, T., Lanteri, R., Calderone, D., Trapani, P., and S. Hassam. Results of the 2022 Campaign of Investigations in the Ancient Greek City of Heloros (Siracusa): the Agora District and the Helorine Way. Archaeological Institute of America 2023 Annual Meeting. New Orleans (Jan. 5-8).
- 2022 Tanasi, D., Hassam, S., Calderone, D., Trapani, P., Lercari, N., Jiménez Delgado, G. and R. Lanteri. Datafication of an Ancient Greek city: Multi-sensorial Remote Sensing of Heloros (Sicily). 3rd International Workshop on Pattern Recognition for Cultural Heritage (PatRech 2022). Montréal (Aug 21).
- 2022 Campiani, A., Lercari, N., Jiménez Delgado, G., López Mejía, J., Liendo Stuardo, R., and S. Mcavoy. Unveiling the Late Classic Environment of the B'aakal Kingdom: LiDAR Remote Sensing at the Maya City of Palenque and its Surrounding Region. 3rd International Conference of Aerial Archaeology "Invisible Cities". Lecce, Italy (May 19-22).
- 2022 Lanteri, R., Tanasi, D., Lercari, N., Jiménez Delgado, G., Calderone, D., Trapani, P. and S. Hassam. In volo sopra Eloro. Remote sensing e visualizzazione 3D per l'interpretazione del paesaggio urbano di una colonia greca di Sicilia. 3rd International Conference of Aerial Archaeology "Invisible Cities". Lecce, Italy (May 19-22).
- 2019 Campiani, A., Liendo Stuardo, R. and N. Lercari. The Temple of the Inscriptions at Palenque: Improving Architectural Analysis, Conservation Assessment, and Public Dissemination via Terrestrial LiDAR and 3-D Mapping. Society for American Archaeology (SAA) 84th Annual Meeting, Albuquerque, NM (Apr. 10-14).
- 2019 Dueñas-Garcia, M. de J., Campos-Martinez, M. S., and N. Lercari. Cerro de En medio, a Hidden Epiclassic Site in the Northern Frontier of Mesoamerica. Society for American Archaeology (SAA) 84th Annual Meeting, Albuquerque, NM (Apr. 10-14).
- 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 European Association of Archaeologists (EAA) Meeting, 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

Ludwig-Maximilians-Universität München

- Critical Heritage (seminar: Summer 2024)
- Introduction to Cultural Heritage Studies (lecture: Winter 2022/23).
- Heritage2Bytes: Fundamentals of Digital Cultural Heritage (lecture: Winter 2023/24, 2024/25).
- Museums and Virtual Museums (seminar: Summer 2022; Winter 2023/24).
- The Digital Turn: Theory, Method, and the Digital Humanities (seminar: Winter 2022/23, 2024/25).
- Digital Imaging for Cultural Heritage and Archaeology (lab course: Summer 2022; Winter 2023/24, 2024/25).

- Laser scanning and Mapping for Cultural Heritage and Archaeology (lab course: Winter 2022/23; Summer 2024).

University of California, Merced

- Digital Methods of Heritage Documentation and Preservation (grad. seminar: Fall 2015).
- Methods in Digital Heritage (upper-level undergraduate: Fall 2020; Spring 2020, 2019, 2018, 2017, 2016).
- 3D Modeling Cultural Heritage (undergraduate: Fall 2017).
- Introduction to Digital Heritage (undergraduate: Fall 2017, Fall 2016, Spring 2015).
- Readings in Digital Archaeology (graduate seminar: Fall 2020).
- Readings in the Digital Humanities (graduate seminar: Fall 2021, 2019).
- Digital Humanities Data Curation and Dissemination (grad. seminar: Fall 2018).
- Graduate Research (ind. study: Fall 2020, 2021).
- World Heritage Independent Study (undergraduate: Spring 2018).
- Faculty Directed Study Group (graduate ind. study: Spring 2019, 2018, 2016).
- Directed Independent Study (grad. ind. study: Spring 2020, 2017; Fall 2020, 2019).
- International Heritage (undergraduate: Fall 2012).
- Cyber Heritage (undergraduate: Spring 2010 - Fall 2012).

Duke University

- Virtual Form and Space (undergraduate: Spring 2014, Fall 2013)

Special Pedagogical Activities

University of California, Merced

- 2020 Constituting Community: Distinguishing Outreach from Engagement, Community-Engaged Research Workshop Series, Panelist, Center for the Humanities. Sponsored by the Henry Luce Foundation.
- 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

Marie Skłodowska-Curie Fellows (EU-funded Postdoc)

2024 – 2026 Tzveta Manolova, Ph.D., Lead of Host Institution, LMU Munich.

Postdoctoral Scholars

2023 – Present Bruno Sartini, Ph.D., Chair/Supervisor, LMU Munich.

2023 – Present Dario Calderone, Ph.D., Chair/Supervisor, LMU Munich.

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

Ph.D. Dissertation Committees

2024 – Present	Mina Yacoub, Primary Supervisor, LMU Munich.
2024 – Present	Yiming Du, Primary Supervisor, LMU Munich.
2023 – Present	Anaïs Guillem, Primary Supervisor, LMU Munich.
2022 – Present	Mirko De Tomassi, Primary Supervisor, LMU Munich.
2018 – 2024	(Ph.D. awarded) Graham Goodwin, Member, UC Merced.
2017 – 2022	(Ph.D. awarded) Manuel Dueñas Garcia, Main Advisor, UC Merced.
2014 – 2020	(Ph.D. awarded) Gesualdo Busacca, Ext. Member, Stanford University.

Master's Thesis Committees

2022 – 2023	(M.A. awarded) Eefke Boezen, External Member, Antwerp University.
2018 – 2022	(M.A. awarded) Graham Goodwin, Member, UC Merced.
2018 – 2021	(M.A. awarded) Mirko De Tomassi, Main Advisor, UC Merced.
2018 – 2022	(M.A. awarded) Cristyna Galarza, Member, UC Merced.
2017 – 2019	(M.A. awarded) Anaïs Guillem, Main Advisor, UC Merced.
2017 – 2022	(M.A. awarded) Manuel Dueñas Garcia, Main Advisor, UC Merced.
2016 – 2017	(M.A. awarded) Pedro Carvajal, 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

Ludwig Maximilian University of Munich

2022 – Present	Heloros Advanced Digital Exploration and Surveying (HADES) Project, Co-Director.
2017 – Present	3D Maya Heritage / Palenque Regional Project, Partner.
2022 – Present	LMU HIVE Lab, Director.

University of California, Merced

2018 – 2021	Fort Ross Cultural Trail Project, Principal Investigator.
2016 – 2021	Bodie 3D Project, Principal Investigator.
2016 – 2021	UCM HIVE 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 – 2014	3D Digging at Çatalhöyük Project, Postdoctoral Scholar.

Duke University

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| 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

University of California System-wide

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| 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

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| 2019 – 2021 | Merced Division of the Academic Senate - Committee on Committees (CoC), Voting Member. |
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UC Merced Campus-wide Service

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| 2020 – 2021 | Interim Vice Chancellor for Research Advisory Board, Member. |
| 2018 – 2021 | Committee on Research Computing (CoRC), Member. |
| 2016 – 2021 | Wide-Area Visualization Environment Steering Committee, Chair. |
| 2015 – 2021 | 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 Res. Exper. – 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. |

UC Merced School/College Service

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

UC Merced Interdisciplinary Humanities (IH) Graduate Group

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| 2020 – 2021 | IH Advising Committee, Member. |
| 2016 – 2017 | IH Executive Committee, Member. |

UC Merced 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.

UC Merced 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

- 2024 SAA Advances in Archaeological Practice, Reviewer
2024 – Present Heritage International Institute, Italian Ministry of Foreign Affairs and International Cooperation, Academic Board Member.
2023 – 2024 Routledge Open Research, Editorial Advisory Board Member.
2023 – Present Italian National Council of Research, E-RHIS.it MOLAB PRP grant, Reviewer.
2022 – Present Mediterranean Archaeology and Archaeometry (MAA) Journal, Editorial Board Member.
2020 Remote Sensing, Reviewer.
2020 Archaeological and Anthropological Sciences, Reviewer.
2020 Heritage Science, Reviewer.
2018, 2020 J. of Computing and Cultural Heritage, Reviewer.
2019, 2020 Canada Found. for Innov. 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 J. of Cultural Heritage, Reviewer.
2015, 2018 Digital Applications in Archaeology and Cultural Heritage, Reviewer.
2015 – 2016 California State Parks Transformation Team - Natural & Cultural Resources Comm. Cultural Advisory Group, Member, Sacramento, CA.
2015 Current Anthropology, Reviewer.
2015, 2020 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 Transportation, Federal Aviation Administration (March 2018, Atwater, CA).
2012 Teaching with New Media, University of California, Merced Center for Research on

Teaching Excellence. (2012 - May 2013, Merced CA).
2008 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

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

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

2023 – present Münchner Zentrum für Antike Welten (MZAW).
2022 – present LMU Archeobiocenter.
2022 – 2023 Associazione Italiana Storia Urbana (AISU).
2015 – 2021 Society for American Archaeology (SAA).
2016 – 2021 Sierra Nevada Research Institute (SNRI).
2015 – 2021 Association of Critical Heritage Studies (ACHS).
2015 – 2019 Archaeological Institute of America (AIA).
2017, 2022 – 2025 Computer Applications and Quant. Methods in Archaeology (CAA).
2014 American Schools of Oriental Research (ASOR).
2013 – 2014 International Society on Virtual Systems and MultiMedia (VSSM).