

# Jonathan Pando Ocón, Ph.D. ABD

Fall 2022 | [studyingplace.space](http://studyingplace.space)

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University of California, Los Angeles, Department of Geography

jonocon [at] g.ucla.edu

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## Education

University of California, Los Angeles (UCLA)   Los Angeles, CA Doctor of Philosophy, Geography	Expected Jun 2023
University of California, Los Angeles (UCLA)   Los Angeles, CA Master of Arts, Geography	Jun 2020
University of Southern California (USC)   Los Angeles, CA Bachelor of Science, Policy, Planning, and Development	May 2013

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## Honors and Awards

Spring 2021 Residency   Nature Art & Habitat <i>Residency</i>	Mar 2021
Graduate Dean's Scholar Award   Graduate Division, UCLA	Jun 2019, 2020
Geospatial @ UCLA Summer Fellowship   Geography, UCLA	Jun 2019
Mars Exploration Zone Map Competition, Second Place   ICA & NASA	Jan 2017
Distinguished Budget Award   Government Financial Office Association	Jun 2016
Student Recognition Award   Sol Price School of Public Policy, USC	May 2012

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## Teaching Experience

Learn to Process Multisource Remote Sensing Imagery in R and Python Instructor   <a href="#">6-hour Short Course</a> , ESA & CSEE 2022	Aug 2022
Cartography (GEOG-180)   Geography, UCLA Instructor	Jun 2021 – Jul 2021
GIS Programming and Development (GEOG-181C)   Geography, UCLA Teaching Associate	April 2021 – Jun 2021
Cartography (GEOG-167)   Geography, UCLA Instructor	Aug 2020 – Sept 2020
Introduction to GIS (GEOG-7)   Geography, UCLA Teaching Assistant	Jan 2020 – March 2020

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## Publications

- Ocón JP, Ibanez T, Franklin J, Pau S, Keppel G, Rivas-Torres G, et al. (2021) Global tropical dry forest extent and cover: A comparative study of bioclimatic definitions using two climatic data sets. *PLoS ONE* 16(5): [e0252063](#).
- Ordway, E. M., Elmore, A. J., Kolstoe, S., Quinn, J. E., Swanwick, R., Cattau, M., ... & Wilson, C. (2021). Leveraging the NEON Airborne Observation Platform for socio-environmental systems research. *Ecosphere*, 12(6), [e03640](#).
- Turner, V. K., Rogers, M. L., Zhang, Y., Middel, A., Schneider, F. A., **Ocón, J. P.**, ... & Dialesandro, J. (2022). More than surface temperature: mitigating thermal exposure in hyper-local land system. *Journal of Land Use Science*, 17(1), [79-99](#).
- Madson, A., Dimson, M., **Ocón, J. P.**, Kawelo, K., Beilman, M., Kay, K., & Gillespie, T. W. (2022). A near four-decade time series shows the Hawaiian Islands have been browning since the 1980s. *Environmental Management*. Submitted for publication.

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- Ocón, J. P.**, Gillespie, T. W., Stavros, E. N., Steinberg, S. J., & Robertson, J. (2022). Methods for Identifying urban tree species with multisource remote sensing imagery. *In preparation for submission for publication*.
- Ocón, J. P.**, Gillespie, T. W., Stavros, E. N., Steinberg, S. J., Robertson, J., & DeLisle, C. (2022). Urban tree identification using GIS, very high resolution imagery, and lidar in Los Angeles County. *In preparation for submission for publication*.

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## Presentations and Proceedings

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<b>Urban tree identification using GIS, VHR, and LiDAR in Los Angeles County</b>   Contributed Talk, International Network Urban Biodiversity and Design (URBIO)	Nov 2022
<b>Optimizing the planning and management of Los Angeles County's urban forest</b>   Contributed Talk, Partners in Community Forestry (PCF)	Nov 2022
<b>Probabilistic urban tree inventories with mixed-pixel imaging spectroscopy</b>   <a href="#">Contributed Talk</a> , Ecological Society of America (ESA) & Canadian Society for Ecology and Evolution (CSEE)	Aug 2022
<b>A scalable remote sensing model for urban forest inventory</b>   <a href="#">Contributed Talk</a> , Society for Conservation GIS (SCGIS)	Jul 2022
<b>Picking up traces: An interdisciplinary approach to multispecies storytelling</b>   <a href="#">Presentation</a> , Nature Art & Habitat <i>Residency</i> (NAHR)	Dec 2021
<b>Applications of LARIAC Data in Urban Forest Planning and Management</b>   <a href="#">Presentation</a> , Los Angeles Region Acquisition Consortium (LARIAC)	Oct 2021
<b>A Global Bioclimatic Analysis of Tropical Dry Forest Extent and Cover</b>   <a href="#">Contributed Talk</a> , Ecological Society of America (ESA)	Aug 2020
<b>Bioclimatic definitions of tropical dry forest improve our ability to map this critically endangered biome</b>   <a href="#">Contributed Talk</a> , Society for Conservation GIS (SCGIS)	Aug 2020
<b>Transformative Climate Communities: Informing Adaptation Planning through Cool Urban Design Interventions in Southern California</b>   <a href="#">Contributed Talk</a> , American Meteorological Society (AMS)	Jan 2020

## Research Experience

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<b>Optimizing the Planning and Management of Los Angeles County's Urban Forest</b>	Jan 2021 – Present
<i>3-year research grant awarded by the Los Angeles County Department of Public Health to automate individual tree species identification using multisource airborne remote sensing (VHR, LiDAR, and imaging spectroscopy).</i>	
<b>CTrees: Individual Tree Segmentation Using LiDAR</b>   Dr. Sassan Saatchi, CTrees	Mar – Jun 2022
<i>Segmenting single tree point clouds using discrete-return LiDAR and an adaptive mean shift algorithm.</i>	
<b>Global Analysis of Tropical Dry Forest Extent</b>   Dr. Thomas W. Gillespie, UCLA	Aug 2018 – Sept 2020
<i>Comparison of climatic definitions of tropical dry forest extent for conservation assessment using remote sensing and geospatial programming.</i>	
<b>Impact of Urban Form on Thermal Comfort</b>   Dr. V. Kelly Turner, UCLA	Aug 2019 – July 2020
<i>Modeling mean radiant and land surface temperatures at fine resolutions to understand thermal comfort in underrepresented neighborhoods in California, and a new urbanist development in Tucson, Arizona using remote sensing, geospatial programming, and microclimate modeling.</i>	
<b>Housing Development and Design in Los Angeles</b>   Liz Falletta, USC	Aug 2012 – May 2013
<i>Ascertained historical records and tenant data on three multi-unit, architecturally significant housing projects in Los Angeles to highlight the importance of well-designed, multi-unit housing for future development.</i>	
Falletta, L. (2019). <i>By-right, By-design: Housing Development Versus Housing Design in Los Angeles</i> . Routledge.	

## Conferences

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<b>International Network Urban Biodiversity and Design</b>   Leipzig, Germany	Nov 2022
<b>Partners in Community Forestry</b>   Seattle, WA	Nov 2022
<b>Google Geo for Good Summit</b>   Mountain View, CA	Oct 2022

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<b>Ecological Society of America Annual Meeting</b>   Montreal, QC, CA	Aug 2022
<b>Society for Conservation GIS</b>   Virtual Conference	Jul 2022
<b>Society for Conservation GIS</b>   Virtual Conference	Aug 2020
<b>Ecological Society of America Annual Meeting</b>   Salt Lake City, UT	Aug 2020
<b>American Meteorological Society Annual Meeting</b>   Boston, MA	Jan 2020
<b>GIScience 2016</b>   Montreal, QC, CA	Sept 2016

## Professional Service

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<b>Associate Editor</b>   Journal of Environmental Studies and Sciences (JESS)	April 2022 – Present
<b>Landscape Exchange Network for Socio-environmental systems (LENS)</b>	Mar 2020 – Present
Graduate Student Steering Committee Member   NSF: DEB-2054939	
<b>AAG COVID-19 Rapid Response Subcommittee</b>   Non-member Contributor	May 2020
<b>President and Social Chair</b>   Geography Graduate Student's Association, UCLA	Sept 2019 – Jun 2020
<b>Graduate Student Rep, Geography</b>   Graduate Student Advisory Board, UCLA	Sept 2019 – Jun 2020

## Professional Development

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<b>LENS Workshop</b>	May 2022
<i>Workshop hosted by the Landscape Exchange Networks for Socio-environmental systems research, Annapolis, MD</i>	
<b>Integrating Machine Learning into Geographic Research</b>	Feb 2021
<i>AAG Learning Series for Graduate Students, Virtual</i>	
<b>People, Land, &amp; Ecosystems: Leveraging NEON for Socio-Environmental Synthesis</b>	Feb 2020
<i>National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD</i>	
<b>Machine Learning for Spatial and Temporal Analysis</b>	Sept 2016
<i>GIScience 2016, McGill University, Université Laval and University of Saskatchewan, Montreal, QC, CA</i>	

## Professional Associations

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	Member Since
Student Member   <b>Society for Advancement of Chicanos &amp; Native Americans in Science (SACNAS)</b>	Jun 2022
Full Member   <b>Sigma Xi Research Honor Society</b>	Dec 2021
Student Member   <b>Political Ecology Working Group (PEWG)</b>	Feb 2021
Student Member   <b>American Geophysical Union (AGU)</b>	Aug 2020
Student Member   <b>Ecological Society of America (ESA)</b>	Feb 2020
Student Member   <b>American Association of Geographers (AAG)</b>	Oct 2019
Student Member   <b>Society for Conservation GIS (SCGIS)</b>	Sept 2016
Explorer Member   <b>The Planetary Society</b>	Aug 2016

## Professional Experience

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<b>Sole Proprietor</b>   Concrete Couture Designs	Jan 2015 – Present
<b>Assistant Administrative Analyst</b>   City of Santa Monica, CA	Sept 2017 – Sept 2018
<b>Administrative Technician</b>   City of San Mateo, CA	Sept 2013 – Jun 2016
<b>Planning Intern</b>   City of West Covina, CA	Sept 2012 – Feb 2013
<b>Planning Intern</b>   Strategic Actions for a Just Economy, Los Angeles, CA	Jan 2011 – May 2011