MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

BRIEF CV / CURRÍCULUM ABREVIADO

(CVA)

Part A. PERSONAL INFORMATION

CV date	May 2023

First and Family name	Gustavo Romanillos-Arroyo		
Social Security, Passport, ID number	03118023M	Age	43
Researcher numbers		Researcher ID	L-3766-2019 (Web of Sc)
		Orcid code	0000-0001-5098-8596

A.1. Current position

Name of University/Institution	Universidad Complutense de Madrid		
Department	Geography		
Address and Country	Calle Profesor Aranguren, s/n, 28040, Madrid		
Phone number	913945270	E-mail	gustavro@ucm.es
Current position	Associate Professor	From	Spain
Espec. cód. UNESCO			
Palabras clave	Urban studies, accessibility, mobility, Geographic Information Systems, geo-located Big Data		

A.2. Education

Degree/PhD	University	Year
PhD in Geography	Universidad Complutense de Madrid	2018
MSc.in Geographic Information Technologies	Universidad Complutense de Madrid	2012
Advance Studies Degree in Architecture	Universidad Politécnica de Madrid	2010
B.S. and MSc. in Architecture	Universidad Politécnica de Madrid	2005

A.3. JCR articles, h Index, thesis supervised…

Total publications JCR: 13
Total publications JCR Q1: 6
Total publications JCR as first author: 7
Accumulated citations. Google Scholar: 1200/ Scopus: 582
H Índex. Google Scholar: 10
Perfil: https://scholar.google.es/citations?user=eEEgIjIAAAAJ&hl=es

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Gustavo Romanillos was born in Guadalajara, Spain, on July 10, 1979. He obtained a Degree and a Master's degree in Architecture in 2005 at the Universidad Politécnica de Madrid (UPM), and then a Diploma in Advanced studies in Architecture at the same university. After years focusing on a professional practice in architecture and urban planning, he studied and obtained a MSc. in Geographic Information Technologies at the Universidad Complutense de Madrid in 2012. He got a PhD in Geography at the same university in 2018.

He is currently Associate Professor at the Department of Geography of the Universidad Complutense de Madrid, where he where he coordinates the Master in Smart and Sustainable Cities. He is also co-director of the Advance course of Cities, territory and Geographic Information Systems at the Universidad Politécnica de Madrid and Visiting Professor at the University of Luxembourg and the Universidad Carlos III in Spain. He has been Visiting Scholar at Harvard University, Visiting researcher at the University College of London (UCL), he has also taught for 7 years at the Architectural Association School of Architecture of London (UK) and has been guest lecturer at other universities in Europe and Latin America. With regard to research, is a Research Fellow of the Transport, Infrastructure and Territory – tGIS research group of the Universidad Complutense de Madrid since 2012. His work focuses on the

visualization, spatial analysis and modeling of urban and social dynamics, based on the application of Geographic Information Systems and other emergent technologies, and the use of new and unconventional data sources. The main topics of his research revolve around urban studies, mobility, accessibility, cartography, online cartography, participatory and collaborative initiatives, but his lines of research are constantly open to explore new topics where the analysis new geolocated data sources can enrich the existing knowledge.

As an architect, he has developed a wide range of projects, some of which has been awarded in several international competitions of architecture and urbanism and, as a consultant, he has worked or is working for different institutions, such as the United Nations Development Program, the Inter-American Development Bank or the European Commission.

Part C. RELEVANT MERITS

C.1. Some recent publications (including books)

Scientific Journals:

1. Big Data and cycling (2015).
    Transport Reviews, Taylor & Francis. JCR Impact factor: 4,647, Q1 (1/31).
    Authors: Romanillos, Gustavo; Zaltz-Austwick, Martin; Ettema, Dick; De Kruijf, Joost.
    DOI: 10.1080/01441647.2015.1084067. Available at: http://dx.doi.org/10.1080/01441647.2015.1084067

2. Madrid cycle track: Visualizing the cyclable city (2015).
    Journal of Maps, Taylor & Francis. JCR Impact factor: 2.174, Q2.
    Authors: Gustavo Romanillos & Martin Zaltz Austwick. DOI: 10.1080/17445647.2015.1088901.
    Available at: http://dx.doi.org/10.1080/17445647.2015.1088901

3. Collaborative mapping of emerging cities in developing countries: the *León Emergente* project (2016).
    Journal of Maps, Taylor & Francis | JCR Impact factor: 2.365, Q2.
    Authors: Romanillos, Gustavo. DOI: 10.1080/17445647.2016.1239557
    Available at: http://www.tandfonline.com/doi/full/10.1080/17445647.2016.1239557

4. Immigrant community integration in world cities (2018).
    PLoS ONE 13(3): e0191612. JCR Impact factor (2016): 2.816, Q1.
    Authors: Lamanna, Fabio; Lenormand, Maxime; Salas-Olmedo, María Henar; Gonçalves, Bruno & Ramasco, José J.
    Available at: https://doi.org/10.1371/journal.pone.0191612

5. The eruption of Airbnb in tourist cities: comparing spatial patterns of hotels and peer-to-peer accommodation in Barcelona (2017).
    Tourism Management (JTMA-D-16-00518R1). JCR Impact factor: 5.921, Q1.
    Authors: Romanillos, Gustavo; Salas-Olmedo, Henar; García-Palomares, Juan Carlos; Gutiérrez, Javier.
    Available at: https://www.sciencedirect.com/science/article/pii/S0261517717301036

6. Accessibility to Schools: spatial and social imbalances and the impact of population density in four European Cities (2018).
    Journal of Planning and Development, ASCE Journals.
    Authors: Gustavo Romanillos & Juan Carlos García-Palomares
    Available at: https://doi.org/10.1061/(ASCE)UP.1943-5444.0000491

7. The pulse of the cycling city: visualising Madrid bike share system GPS routes and cycling flow (2018).
    Journal of Maps, Taylor & Francis. JCR Impact factor: 2.365, Q2.
    Authors: Romanillos, Gustavo; Zaltz-Austwick, Martin; Moya-Gomez, Borja and Patxi. J. Lamíquiz Daudén.
    Available at: https://doi.org/10.1080/17445647.2018.1438932

8. Cyclists do better. Analysing urban cycling operating speeds, accessibility and competitiveness in relation to other transport modes (2019).
    International Journal of Sustainable Transportation. [JCR Impact factor: 2.709, Q2].
    Authors: Gustavo Romanillos & Javier Gutiérrez.
    Available at: https://doi.org/10.1080/15568318.2019.1575493

9. Examining spatio-temporal mobility patterns of bike-sharing systems: The case of BiciMAD (Madrid) (2021)
    Journal of Maps, Taylor & Francis. JCR Impact factor: 2.034, Q2.

Authors: Talavera-García, Rubén; Romanillos, Gustavo & Arias-Molinares, Daniela.
Available at: https://www.tandfonline.com/doi/full/10.1080/17445647.2020.1866697

10. The City turned off: Urban Dynamics during the COVID-19 pandemic based on mobile phone data (2021)
Applied Geography, Elsevier. JCR Impact factor: 3.508, Q1.
Authors: Romanillos, G., García-Palomares, J.C., Moya-Gómez, B., Gutiérrez, J., Torres, J., López, M., Cantú-Ros, Oliva, G. and Herranz, R.
Available at: https://doi.org/10.1016/j.apgeog.2021.102524

11. Exploring spatio-temporal dynamics of moped-style scooter sharing services in urban areas: the case of Spanish cities (2021). Journal of Transport Geography, 96, (2021), 103193.
(DOI:10.1016/j.jtrangeo.2021.103193) [JCR Impact factor 2020: 4.986 , Q1 - Transportation]. Open Access.
Authors: Arias-Molinares, D., Romanillos, G., García-Palomares, J.C. and Gutiérrez, J.

12. Towards a new urban geography of expenditure: Using bank card transactions data to analyze multi-sector spatiotemporal distributions (2022). Cities, 131, 103894. Elsevier. JCR Impact factor: 6.788, Q1. Open Access, available at: https://www.sciencedirect.com/science/article/pii/S026427512200333X
Authors: Carpio-Pinedo, J., Romanillos, G., Aparicio, D., Martín-Caro, M. S. H., García-Palomares, J. C., & Gutiérrez, J.

13. Uncovering spatio-temporal micromobility patterns through the lens of space-time cubes and GIS tools (2023). Journal of Geographical Systems. Springer Heidelberg. JCR Impact factor: 2,402, Q3 (45/86).
Authors: Arias-Molinares, Daniela; Romanillos, Gustavo; García-Palomares, Juan Carlos and Gutierrez-Puebla, Javier.

Book chapters:

14. Book: "Handbook of Computational Social Science for Policy" (2023). Book chapter: "New Data and Computational Methods Opportunities to Enhance the Knowledge Base of Tourism". Pages: 361-379.
Authors: Gustavo Romanillos and Borja Moya-Gómez. Ed: Springer. Print ISBN: 978-3-031-16623-5.
eBook ISBN 978-3-031-16624-2. Available at: https://doi.org/10.1007/978-3-031-16624-2

15. Book: "The Routledge Companion to Ecological Design Thinking" (2022). Book chapter: "Future of Urban Design Through Generative Design Tools: New Data Sources and Analysis Practices in Urban Mobility and Environmental Studies". Pages: 171-183. Ed: Taylor & Francis. Authors: Gustavo Romanillos and Maider Llaguno-Munitxa
eBook ISBN978100318318.
Available at: https://www.taylorfrancis.com/chapters/edit/10.4324/9781003183181-16/future-urban-design-generative-design-tools-gustavo-romanillos-maider-llaguno-munitxa

C.2. Recent Research projects and grants

2023-present   Visiting Scholar at Harvard University | Landscape architecture department of the Graduate School of Design. https://rcc.harvard.edu/people/gustavo-romanillos-arroyo

2021-present   Research Associate – Member of the research team.
Project: "DARUMA: Deep learning Anticipated Urban Mobility peaks". Funded by The European Interest Group (EIG) CONCERT-Japan.

2019-2021   Research Associate – Member of the research team.
Project: "DynMobility: Análisis dinámico de los patrones de movilidad a partir del Big Data". Funded by The State Secretariat for Research, Development and Innovation of the Ministry of Economy and Competitiveness of Spain.

2019-2021   Research Associate – Member of the research team.
Project: "DynMobility: Análisis dinámico de los patrones de movilidad a partir del Big Data". Funded by The State Secretariat for Research, Development and Innovation of the Ministry of Economy and Competitiveness of Spain.

2017-2019   Research Associate – Member of the research team.
Project: "DSS4SharedMobility. Herramientas de Ayuda a la Decisión para la Planificación y Gestión de Sistemas de Movilidad Compartida". Funded by Comunidad de Madrid.

2016- 2019   Research Associate – Member of the research network.
Research network: "SOCIALBIGDATA. Monitorización y análisis del cambio social a partir de Big DAta".
Funded by the Madrid Region Research and University Department
www.socialbigdata.transyt-projects.com

2013-2016   Research Associate – Member of the research team.
Project: INSIGHT (Innovative Policy Modelling and Governance Tools for Sustainable Post-Crisis urban Development). INSIGHT is an European research project funded under the ICT Theme of the European Union's Seventh Framework Programme.

C.3. Contracts

Research contracts with the European Commission:

1.   Project "New data and computational methods opportunities to enhance the knowledge base of tourism".
Research contract.
Duration: 3 months. From: 07/08/2021 To: 10/15/2021
Principal Investigators: Gustavo Romanillos Arroyo and Borja Moya Gómez.
Purpose: Development of the book chapter "New data and computational methods opportunities to enhance the knowledge base of tourism" for the book "Handbook of Computational Social Science for Policy"
Duration: 3 months. From: 07/08/2021 To: 10/15/2021
Funding entity: European Commission - Joint Research Center A/05
Budget: €9,000

2.   Project "Assessing existing eco-certifications schemes for the tourism accommodation sector in the EU27".
Research contract.
Duration: 8 months. From: 11/30/2021 To: 07/31/2022.
Principal Investigators: Gustavo Romanillos Arroyo and Borja Moya Gómez.
Funding entity: European Commission - Joint Research Center A/05
Budget: €13,500

Research contracts with private or public entities (Article 83):

3.   Cátedra extraordinaria de movilidad ciclista
Directors: Javier Gutiérrez Puebla and Juan Carlos García Palomares.
Participation as Collaborating Researcher.
Duration: 36 months. From: 01/01/2020 To: 12/31/2022
Financing entity: Municipal Transport Company of Madrid.
Budget: €120,000

4.   Project: "Huella ciclista de Lima"
Principal Investigator: Gustavo Romanillos Arroyo
Duration: 9 months. From: 02/04/2020 To: 11/04/2020
Financing entity: Urbano Lab and Konrad Adenauer Foundation.
Budget: €8,000.

5.   Project "New methodologies and digital tools for the analysis, planning and revitalization of citizen participation processes in the planning and execution of urban developments".
Principal Investigator: Gustavo Romanillos Arroyo
Duration: 9 months. From: 02/04/2020 To: 11/04/2020
Financing entity: DISTRITO CASTELLANA NORTE, S.A.
Budget: €37,570.50

6.   Project "Methodological improvements for the realization of Sustainable Urban Mobility Plans through the application of Geographic Information Systems".
Principal Investigator: Gustavo Romanillos Arroyo
Duration: 6 months. From: 02/04/2020 To: 07/30/2020
Financing entity: Think & Move S.L.
Budget: €4,573.80

7.   Project "Development of methodological improvements for the realization of Sustainable Urban Mobility Plans through the application of Geographic Information Systems, applied to the PMUS of Tomelloso.".
Principal Investigator: Gustavo Romanillos Arroyo.
Duration: 6 months. From: 07/31/2020 To: 01/31/2021
Financing entity: DISTRITO CASTELLANA NORTE, S.A.
Budget: €18,089.50

8.   Project "Technical support in the project Characterization of the envelopes of the San Ildefonso residential estate in Cornellá de Llobregat through the application of TIGs".
Principal Investigator: Gustavo Romanillos Arroyo

Duration: 1 month. From: 04/30/2021 To: 05/30/2021
Funding entity: Polytechnic University of Madrid.
Budget: €4,981.57

9. Project "Development of a Methodological Guide for the use of big data from GPS data to understand mobility patterns".
Principal Investigator: Javier Gutiérrez Puebla
Participation as Collaborating Researcher.
Duration: 12 months. From: 01/01/2019 To: 12/31/2019
Funding entity: Inter-American Development Bank (IDB).
Budget: €20,000

C.4. Awards

2020	Rafael Izquierdo Prize for Best PhD Thesis - Foro de Ingeniería del Transporte (FIT)
2020	Extraordinary prize of Doctorate (Premio Extraordinario de Doctorado). Universidad Complutense de Madrid.
2019	First "Research on Urban and Metropolitan Mobility" National Prize - Asociación de Empresas Gestoras de los Transportes Urbanos Colectivos (ATUC), for the PhD reserch "The digital footprint of the cycling city: GPS cycle routes visualization and analysis"
2018	Award Roser Majoral Moliné to the Best International Academic Paper. Asociación de Geógrafos de España. For the publication of "The eruption of Airbnb in tourist cities: Comparing spatial patterns of hotels and peer-to-peer accommodation in Barcelona". Report available at: https://www.age-geografia.es/site/wp-content/uploads/2018/07/Acta-ganador_RMM.pdf
2014	Best Map Prize. Festival for Digital Health 2014 - Best Visualisation Prize. University College of London. Report available at: http://www.fdh.ucl.ac.uk/wp-content/uploads/2014/08/UCLFDH-Eval.pdf
2014	Best Map Prize. Digital Landscape Architecture International Conference 2014. ETH Zürich. Report available at: http://dla2014.ethz.ch/awards/
2014	Banco Santander Grant for Young Researchers and University Lecturers Project : Emergent Leon. Citizen engagement, Analysis and Planning of Emergent Cities applying Geographic Information Systems. Case study : León, Nicaragua.
2013	Best Map Prize. Winner of the Map Gallery 2014. ESRI Spain National Conference 2014. Madrid Report available at: http://www.esri.es/los-mejores-de-ce13/
2012	Honorable Mention. Málaga Riverside park International Competition.
2009	Third Prize. Las Palmas de Gran Canaria Waterfront Master plan International Competition.
2008	Second Prize. EUROPAN 9 International Competition for young architects. Gyor, Hungary
2008	Honorable Mention. La Muela Park Urban Design Competition.
2004	First Prize. Winner of the Piranesi Prize 2004. International Competition. Roma.