

REPLICATE PROJECT
Project no. 691735



Academic Publications



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This document lists all scientific publications, not only those with direct dedication to the project, but also ones which use results of the project or Mention the project.

Scientific publications, dedicated directly to the Replicate project, or using Replicate project results:

1. Aftab, K., Kulkarni, P., Shergold, I., Jones, M., Dogramadzi, M., Carnelli, P. & Sooriyabandara, M. 2020, "Reducing Parking Space Search Time and Environmental Impacts: A Technology Driven Smart Parking Case Study", IEEE technology & society magazine, [Online], vol. 39, no. 3, pp. 62-75
2. Alex Mavromatis, Aloizio Pereira Da Silva, Koteswararao Kondepu, Dimitrios Gkounis, Reza Nejabati, Dimitra Simeonidou; A Software Defined Device Provisioning Framework Facilitating Scalability in Internet of Things, 2018 IEEE 5G World Forum (5GWF), DOI10.1109/5gwf.2018.8516955
3. Badii, C., Bellini, E., Bellini, P., Cenni, D., Difino, A., Nesi, P., & Paolucci, M. (2016), "Km4City: una soluzione aperta per erogare servizi Smart City", DOI: 10.26314/GARR-Conf16-proceedings-12
4. Bellini, P. and P. Nesi. "Assessing RDF Graph Databases for Smart City Services." The 23rd International Conference on Distributed Multimedia Systems, DMS 2017, Pittsburg, USA, 2017, DOI:10.18293/DMS2017-008.
5. Bellini, P. Nesi. "Performance assessment of RDF graph databases for smart city services", Journal of Visual Languages & Computing, Volume 45, 2018, Pages 24-38, ISSN 1045-926X, <https://doi.org/10.1016/j.jvlc.2018.03.002>
6. Bellini, P. Pierfrancesco & Cenni, Daniele & Marazzini, Mino & Mitolo, Nicola & Nesi, Paolo & Paolucci, Michela. (2018). "Smart City Control Room Dashboards: Big Data Infrastructure, from data to decision support". Journal of Visual Languages and Sentient Systems. 4. 75-82. 10.18293/VLSS2018-030.
7. . Bellini, P. L. Bertocci, F. Betti and P. Nesi, "Rights enforcement and licensing understanding for RDF stores aggregating open and private data sets," 2016 IEEE International Smart Cities Conference (ISC2), Trento, 2016, pp. 1-6, doi: 10.1109/ISC2.2016.7580766.
8. Chiara Boldrini, Raffaele Bruno, Mohamed Haitam Laarabi, Weak signals in the mobility landscape: car sharing in ten European cities, EPJ Data Science DOI 8/1, 10.1140/epjds/s13688-019-0186-8
9. Calzada, I. (2021), Smart City Citizenship, Cambridge, Massachusetts: Elsevier Science Publishing Co Inc. [ISBN (Paperback): 978-0-12-815300-0].
10. Calzada, I. (2020), Democratising Smart Cities? Penta-Helix Multistakeholder Social Innovation Framework, Smart Cities 3(4): 1145-1172. DOI: 10.3390/smartcities3040057.
11. Calzada, I. (2020), Replicating Smart Cities: The City-to-City Learning Programme in the Replicate EC-H2020-SCC Project, Smart Cities 3(3): 978-1003. DOI: 10.3390/smartcities3030049.



12. Calzada, I. (2020), Open Data Platform to Share the Outcomes Integrated in the Common ICT Platform (Weblink) (Horizon 2020: REPLICATE Project Reports No. 8.5.). Oxford: University of Oxford. DOI: 10.13140/RG.2.2.21412.83843/2.
13. Calzada, I. (2019), Report on Conclusions of the Interviews and the Focus Groups (Horizon 2020: REPLICATE Project Reports No. 8.4.). Oxford: University of Oxford. DOI: 10.13140/RG.2.2.20416.58884
14. Calzada, I. & Almirall, E. (2020), Data Ecosystems for Protecting European Citizens' Digital Rights, Transforming Government: People, Process and Policy (TGPPP) 14(2): 133-147. DOI: 10.1108/TG-03-2020-0047.
15. Calzada, I. & Almirall, E. (2019), Barcelona's Grassroots-led Urban Experimentation: Deciphering the 'Data Commons' Policy Scheme. Zenodo. DOI:10.5281/zenodo.2604618. Conference Data for Policy 2019, London (UK), 11-12 June.
16. Calzada, I. (2018) From Smart Cities to Experimental Cities? In Vincenzo Mario Bruno Giorgino and Zachary David Walsh (eds), Co-Designing Economies in Transition: Radical Approaches in Dialogue with Contemplative Social Sciences. Cham: Palgrave Macmillan. pp. 191-217. DOI: 10.1007/978-3-319-66592-4_11.
17. Calzada, I. (2018), (Smart) Citizens from Data Providers to Decision-Makers? The Case Study of Barcelona. Sustainability 10(9): 3252. DOI: 10.3390/su10093252. Special Issue: Big Data Research for Social Sciences and Social Impact.
18. Calzada, I. (2017), Problematizing and Politicizing Smart City-Regions: Is Devolution Smart?, Territorio 83: 37-47. In the Special Issue 'From Smart City to Smart Region. Meanings, Governance, Policies and Projects'. (ISSN: 1825-8689). DOI: 10.3280/TR2017-083005.
19. Calzada, I. & Cowie, P. (2017), Beyond Data-Driven Smart City-Regions? Rethinking Stakeholder-Helices Strategies. Regions 30(4): 25-28. (ISSN: 1367-3882). DOI: 10.1080/13673882.2017.11958675.
20. Calzada, I. (2017), Metropolitan and City-Regional Politics in the Urban Age: Why Does '(Smart) Devolution' Matter? Palgrave Communications 3(17094): 1-17. In the Special Issue 'Politics of the Urban Age' (ISSN: 2055-1045). DOI: 10.1057/palcomms.2017.94
21. Calzada, I. (2020), Platform and Data Co-operatives Amidst European Pandemic Citizenship, Sustainability 12(20): 8309. DOI: 10.3390/su12208309.
22. Calzada, I. (2020), Algorithmic Governance & AI in the Post COVID-19 Society // Herrigintza Algoritmikoa eta Adimen Artifiziala Post COVID-19 Gizartean, Galde 29:46-48. DOI: 10.13140/RG.2.2.33413.58081/1.
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24. Calzada, I. (2019), Activating the Basque Network of Smart Municipalities through 2018-2019 Implementation of the Strategic Programme HERRISMARTIK (Basque Smart City-Regional Strategy in the H2020 European Context)/Activando la Red Vasca de Municipios Inteligentes mediante la Implementación 2018-2019 del Programa HERRISMARTIK (Estrategia Vasca de Territorio Inteligente en el Contexto Europeo Horizonte 2020). Oxford: University of Oxford. ISBN: 978-84-946385-6-5. DOI: 10.13140/RG.2.2.14382.97606



25. Helen Manchester, Gillian Cope, Learning to be a smart citizen, Oxford Review of Education, 45/2, DOI 10.1080/03054985.2018.1552582
26. Lowe, D., Espinosa, A., Yearworth, M. (2020) Constitutive rules for guiding the use of the Viable System Model: Reflections on practice. *European Journal of Operational Research*, doi:10.1016/j.ejor.2020.05.030 Gold Open Access via: <https://doi.org/10.1016/j.ejor.2020.05.030>
27. Melia, S. and Bartle, C. (in press) Who Uses E-bikes in the UK and Why? Submitted to International Journal of Sustainable Transport.
28. Nesi, C. Badii, P. Bellini, D. Cenni, G. Martelli and M. Paolucci, "Km4City Smart City API: An Integrated Support for Mobility Services," 2016 IEEE International Conference on Smart Computing (SMARTCOMP), St. Louis, MO, 2016, pp. 1-8, doi: 10.1109/SMARTCOMP.2016.7501702 Timeus, K.; Vinaixa, J. and Pardo-Bosch, F. (ESADE), Creating business models for smart cities : a practical framework, Public Management Review. IF: 3.162 (Q1), <https://www.tandfonline.com/loi/rpxm20> <https://www.aaai.org/ocs/index.php/IAAI/IAAI17/paper/viewPaper/14604>
29. Shergold, I, Melia, S. and Bartle, C. (in preparation) E-bike use and aspirations in a Covid-19 lockdown, drivers of increased use and longer-term implications for sustainable mobility planning.
30. Yearworth, M., & White, L. (2019). Group Support Systems: experiments with an online system and implications for same-time/different places working. In D. M. Kilgour & C. Eden (Eds.), *Handbook of Group Decision and Negotiation* (2nd ed.): Springer. Green Open Access via institutional repository: <http://hdl.handle.net/10871/36820>
31. Carnelli, Pietro Edoardo, Joy Yeh, Mahesh Sooriyabandara, Aftab Khan (2017) ParkUs: A Novel Vehicle Parking Detection System
Yearworth, M., & White, L. (2017). Demystifying facilitation: A new approach to investigating the role of facilitation in group decision support processes. Paper presented at the 16th International Conference on Group Decision and Negotiation, GDN 2016. doi: https://doi.org/10.1007/978-3-319-52624-9_6



Scientific publication, mentioning the Replicate project, but not focussed on it:

1. Badii, C. et al., "Snap4City: A Scalable IOT/IOE Platform for Developing Smart City Applications," 2018 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computing, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation (SmartWorld/SCALCOM/UIC/ATC/CBDCom/IOP/SCI), Guangzhou, 2018, pp. 2109-2116, doi: 10.1109/SmartWorld.2018.00353.
2. Bellini, P. Nesi, M. Paolucci and I. Zaza, "Smart City Architecture for Data Ingestion and Analytics: Processes and Solutions," 2018 IEEE Fourth International Conference on Big Data Computing Service and Applications (BigDataService), Bamberg, 2018, pp. 137-144, doi: 10.1109/BigDataService.2018.00028.
3. Badii, P. Bellini, D. Cenni, A. Difino, P. Nesi, M. Paolucci. "Analysis and assessment of a knowledge based smart city architecture providing service APIs", Future Generation Computer Systems, Volume 75, 2017, Pages 14-29, ISSN 0167-739X, <https://doi.org/10.1016/j.future.2017.05.001>
4. Badii, P. Bellini, P. Nesi and M. Paolucci, "A smart city development kit for designing Web and mobile Apps," 2017 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computed, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation (SmartWorld/SCALCOM/UIC/ATC/CBDCom/IOP/SCI), San Francisco, CA, 2017, pp. 1-8, doi: 10.1109/UIC-ATC.2017.8397569.
5. Crisci, A., Grasso, V., Nesi, P. et al. "Predicting TV programme audience by using twitter based metrics". *Multimed Tools Appl* 77, 12203–12232 (2018). <https://doi.org/10.1007/s11042-017-4880-x>
6. Calzada, I. (2019), Data Spaces and Democracy, *RSA Journal*. Issue 2: 40-43. DOI: 10.13140/RG.2.2.35392/89601/1.
7. Calzada, I. (2019), Technological Sovereignty: Protecting Citizens' Digital Rights in the AI-driven and post-GDPR Algorithmic and City-Regional European Realm, *Regions eZine*, Issue 4. DOI: 10.1080/13673882.2018.00001038.
8. Calzada, I. (2019), Local Entrepreneurship Through a Multistakeholders' Tourism Living Lab in the Post-Violence/Peripheral Era in the Basque Country. *Regional Science, Policy and Practice* 11(3), 451-466. In the Special Issue 'Local Entrepreneurship and tourism: policies and practices in peripheral areas'. DOI: 10.1111/rsp3.12130.
9. Calzada, I. (2018), Deciphering Smart City Citizenship: The Techno-Politics of Data and Urban Co-operative Platforms. *RIEV, Revista Internacional de Estudios Vascos/International Journal on Basque Studies* 63(1-2):42-81. DOI: 10.13140/RG.2.2.24498.35524/6.
10. Calzada, I. (2018), Metropolitanising Small European Stateless City-Regionalised Nations. *Space and Polity* 22(3): 342-361. DOI: 10.1080/13562576.2018.1555958.

11. Calzada, I. (2018), Algorithmic Nations: Seeing Like a City-Regional and Techno-Political Conceptual Assemblage. *Regional Studies, Regional Science* 5(1): 267-289. DOI: 10.1080/21681376.2018.1507754.
12. Calzada, I. (2018), Algorithmic Nations: Towards the Techno-Political (Basque) City-Region. *Territories: A Trans-Cultural Journal of Regional Studies*, 1(1). Retrieved from <https://escholarship.org/uc/item/7dn812kx>. Special Issue: 'Regions Beyond their Spatiality: Political, Social and Urban Approaches to Post-National Scenarios'. DOI: 10.5070/T21141508.
13. Calzada, I. & Keith, M. (2018), Bridging European Urban Transformations Workshop Series 2016-2018, @utconnect digest (4th Edition) funded by the ESRC (Economic and Social Research Council), September 2018. DOI: 10.13140/RG.2.2.32474.39365.
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17. Calzada, I. (2016), (Un)Plugging Smart Cities with Urban Transformations: Towards Multistakeholder City-Regional Complex Urbanity? *URBS, Revista de Estudios Urbanos y Ciencias Sociales Journal* 6(2): 25-45. (ISSN: 2014-2714). Retrieved from: <http://www2.ual.es/urbs/index.php/urbs/article/view/calzada>.
18. Calzada, I. (2018), SMART RURAL COMMUNITIES (SRC): Towards a New Development Model for International Co-operation? Experimenting through a Fieldwork Action Research in Colombia and Mozambique. Ed. Ayuda en Acción, Zumaia: Translokal – Academic Entrepreneurship for Policy Making y University of Oxford. ISBN: 978-84-946385-2-7. DOI: 10.13140/RG.2.2.24971.59685/1.
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