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Universidad San Sebastián
Facultad de Ingeniería, Arquitectura y Diseño
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Research interests

Research interests are in three areas: housing production processes and housing markets; quality of life and the built environment; energy efficiency at urban and building level

Qualifications

PhD, Gestión y Valoración Urbana , Universidad Politécnica de Cataluña, Barcelona. España
... → 2021

Master, Gestión Urbana, Universidad Politécnica de Cataluña, Barcelona. España
... → 2008

Bachelor, Ingeniero en Construcción Civil, Pontificia Universidad Católica de Chile
... → 1998

Employment

Investigador

Universidad San Sebastián
Concepción , Chile
2022 → present

Investigador

Facultad de Ingeniería, Arquitectura y Diseño
Universidad San Sebastián
Chile
2022 → present

Investigador

Doctorado en Biología Computacional
Universidad San Sebastián
Chile
2022 → present

Investigador

Sede Santiago
Universidad San Sebastián
Chile
2022 → present

Red Nacional de Directores de Escuelas de Construcción, Santiago, Chile

2014 → 2022

Universidad de Las Américas Chile

2013 → 2022

Universidad Politécnica de Cataluña, Barcelona. España

2009 → 2012

Pontificia Universidad Católica de Chile

Chile

2001 → 2012

Research outputs

Mapping Nutritional Inequality: A Primary Socio-Spatial Analysis of Food Deserts in Santiago de Chile

Landaeta-Díaz, L., Vergara-Perucich, F., Aguirre-Nuñez, C. & Ulloa-Leon, F., 2024, In: Urban Science. 8, 3, p. 129 129.

Perceptions, Tensions, and Contradictions in Timber Construction: Insights from End-Users in a Chilean Forest City

Encinas, F., Truffello, R., Ubilla, M., Aguirre-Nuñez, C. & Schueftan, A., 2024, In: Buildings. 14, 9, p. 2813 2813.

Urban Food Deserts and Cardiovascular Health: Evaluating the Impact of Nutritional Inequities on Elderly Populations in Santiago: Evaluating the Impact of Nutritional Inequities on Elderly Populations in Santiago

Landaeta-Díaz, L., Vergara-Perucich, F., Aguirre-Nuñez, C., Cancino-Contreras, F., Correa-Parra, J. & Ulloa-León, F., 2024, In: Applied Sciences (Switzerland). 14, 17, p. 1 15 p., 7575.

Socio-spatial analysis of migrant school students according to Bourdieu's capitals in Santiago de Chile (2017–2020)

Aguirre-Nuñez, C., Ulloa-León, F., Correa-Parra, J. & Vergara-Perucich, F., 2024, In: Heliyon. 10, 9, p. 1-14 14 p., e29884.

Inflación en desarrollo inmobiliario: un análisis por serie de tiempo sobre variables incidentales sobre los costos edificatorios en Chile: un análisis por serie de tiempo sobre variables incidentales sobre los costos edificatorios en Chile

Aguirre-Nuñez, C. & Vergara-Perucich, J. F., 2024, In: Revista Ingeniería de Construcción. 39, 1, p. 96-97 10 p., 105.

Infrastructural inequality: exploring the emergence of digital classes in the Metropolitan Area of Santiago, Chile

Correa, J., Ulloa-Leon, F., Vergara-Perucich, F., Aguirre-Nuñez, C. & Truffello, R., 2023, In: Bulletin of Geography. Socio-economic Series. 62, p. 107-122 16 p.

Deafios de la evaluacion social: Propuestas para la Consolidación de la inversión Responsable en Chile

Aguirre-Nuñez, C., 2023, (CuadernoS).

Desafíos de Integración Urbana en Chile: Segregación Residencial y el Rol del Capital Humano Avanzado bajo Influencias Neoliberales

Correa-Parra, J., Vergara-Perucich, F., Rodríguez-Valladares, N., Aguirre-Nuñez, C. & Hidalgo-Dattwyler, R., 2023, In: Revista de Urbanismo. 49, p. 115-137 23 p.

Investification en el mercado de la vivienda: estudio exploratorio en Santiago de Chile

Aguirre-Nuñez, C., Vergara-Perucich, F. & Carlos, M. D., 2023, In: Urbano. 48, 48, p. 56 67 p.

INVESTIFICATION IN THE HOUSING MARKET: EXPLORATORY STUDY IN SANTIAGO DE CHILE.

Vergara-Perucich, J. F., Aguirre-Nuñez, C. & Marmolejo-Duarte, C., 2023, In: Urbano. 26, 48, p. 57-67 11 p.

Political economy of housing in Chile

Vergara-Perucich, F., Aguirre-Nuñez, C., Encinas, F., Hidalgo-Dattwyler, R., Truffello, R. & de Guevara, F. L., 2023, Taylor and Francis. 120 p.

"15-Minute City" and Elderly People: Thinking about Healthy Cities

Ulloa-Leon, F., Correa-Parra, J., Vergara-Perucich, F., Cancino-Contreras, F. & Aguirre-Nuñez, C., 2023, In: Smart Cities. 6, 2, p. 1043-1058 16 p.

Déficit de la vivienda en el Gran Santiago: evidencia empírica sobre conflictos y argumentos para repensar la planificación metropolitana

Correa-Parra, J., Vergara-Perucich, F., Truffello, R. & Aguirre-Nuñez, C., 2023, In: Urbe. 15, e20210251.

El individualismo como política pública: la vivienda incremental amenazada por la pobreza energética

Encinas, F., Freed, C., Aguirre-Nuñez, C., Schueftan, A., Vergara-Perucich, F. & Orellana, S., 2023, In: Revista INVI. 38, 109, p. 17-70 54 p.

Observation codes: development for a method of visual inspection and damage assessment in unreinforced masonry during a post-seismic emergency

Ruddoff, D., Vigouroux, O., Durán-Vargas, A., Aguirre-Nuñez, C., Encinas, F., Bertholet, P. & Meneses, C., 2023, In: Informes de la Construcción. 75, 570, e500.

RESPUESTA Y RECUPERACIÓN ANTE DESASTRES: COMPLEJIDADES INSTITUCIONALES Y TÉCNICAS EN CONTEXTOS DE POST-TERREMOTO EN CHILE

Mella-Lira, B., Vigouroux, O., Meneses, C., Aguirre, C., Encinas, F. & Bertholet, Y. P., 2023, In: Revista de Estudios Latinoamericanos sobre Reducción del Riesgo de Desastres. 7, 2, p. 204-218 15 p.

Climate Change Urbanism State of the Art: A Scientometrics Analysis

Aguirre-Nunez, C. & Vergara, F., 2022, *Climate Change Urbanism State of the Art: A Scientometrics Analysis*. p. 896 900 p.

Mapping Energy Poverty: How Much Impact Do Socioeconomic, Urban and Climatic Variables Have at a Territorial Scale?

Encinas, F., Truffello, R., Aguirre-Nuñez, C., Puig, I., Vergara-Perucich, F., Freed, C. & Rodríguez, B., 2022, In: Land. 11, 9, 1449.

Subjective Well-Being and Schools in South Africa: A Post-COVID-19 Analysis

Morales-Olivares, R., Aguirre-Nuñez, C., Nuñez-Carrasco, L. & Ulloa-León, F., 2022, In: Frontiers in Psychology. 13, 891590.

COVID-19 y ciudad: Hacia un modelo integrado de vivienda, microbiología, ambiente y urbanismo

Encinas, F., Soto-Liebe, K., Aguirre-Nuñez, C., González, B., Bustamante, W., Schueftan, A., Ugalde, J., Blondel, C., Truffello, R., Araya, P. & Freed, C., 2021, In: Architecture, City and Environment. 16, 46, 9645.

Disciplinary inflections: Contesting three concepts for the construction of the post-neoliberal city

Encinas, F., Truffello, R., Aguirre, C., Freed, C., Vergara-Perucich, F., Hidalgo, R. & Tironi, M., 2021, In: ARQ. 2021, 107, p. 46-57 12 p.

Water privatization and inequality: Gini coefficient for water resources in Chile

Correa-Parra, J., Vergara-Perucich, J. F. & Aguirre-Nuñez, C., 2020, In: Water (Switzerland). 12, 12, 3369.

When residential energy labeling becomes irrelevant: Sustainability vs. profitability in the liberalized Chilean property market

Encinas, F., Marmolejo-Duarte, C., Aguirre-Nuñez, C. & Vergara-Perucich, F., 2020, In: Sustainability (Switzerland). 12, 22, p. 1-17 17 p., 9638.

Towards a walkable city: Principal component analysis for defining sub-centralities in the Santiago metropolitan area

Correa-Parra, J., Vergara-Perucich, J. F. & Aguirre-Nuñez, C., 2020, In: Land. 9, 10, p. 1-15 15 p., 362.

Housing prices in unregulated markets: Study on verticalised dwellings in Santiago de Chile

Vergara-Perucich, J. F. & Aguirre-Nuñez, C., 2020, In: Buildings. 10, 1, 6.

Simulación de recuperación de plusvalía urbana para línea 3 del metro de Santiago

Vergara-Perucich, F. & Aguirre-Nuñez, C., 2020, In: Architecture, City and Environment. 14, 42, 8963.

The spatial correlation between the spread of COVID-19 and vulnerable urban areas in Santiago de Chile

Vergara-Perucich, J. F., Correa-Parra, J. & Aguirre-Nuñez, C., 2020, In: Critical Housing Analysis. 7, 2, p. 21-35 15 p.

Energy-efficient real estate or how it is perceived by potential homebuyers in four Latin American countries
Encinas, F., Marmolejo-Duarte, C., Wagemann, E. & Aguirre, C., 2019, In: Sustainability (Switzerland). 11, 13, 3531.

¿Impacta la futura línea de metro en los precios de departamentos? Un estudio para Ñuñoa y Santiago Chile
Aguirre Nuñez, C. A., Sandoval Fernández, C. A. & Barberá, J. A., 2018, In: Urbano. 21, 38, p. 84-95 12 p.

Does energy efficiency matter to real estate-consumers? Survey evidence on willingness to pay from a cost-optimal analysis in the context of a developing country
Encinas, F., Marmolejo-Duarte, C., Sánchez de la Flor, F. & Aguirre, C., 2018, In: Energy for Sustainable Development. 45, p. 110-123 14 p.

Sustainability attributes in real estate development: Private Perspectives on advancing energy regulation in a liberalized market
Encinas, F., Aguirre, C. & Marmolejo-Duarte, C., 2018, In: Sustainability (Switzerland). 10, 1, 146.

Sustentabilidad y mercado: Aproximaciones desde la promoción inmobiliaria
Encinas, F. & Aguirre, C., 2017, In: Architecture, City and Environment. 12, 35, p. 137-164 28 p.

Real estate and sustainable construction: Private perspectives for progress in energy regulation of a liberalised market
Encinas, F., Aguirre, C. & Marmolejo, C., 2017, *Proceedings of 33rd PLEA International Conference: Design to Thrive, PLEA 2017*. Brotas, L., Roaf, S. & Nicol, F. (eds.). NCEUB 2017 - Network for Comfort and Energy Use in Buildings, p. 4795-4802 8 p. (Proceedings of 33rd PLEA International Conference: Design to Thrive, PLEA 2017; vol. 3).

¿LOS CONDOMINIOS VERTICALES BENEFICIAN POR IGUAL AL VALOR DE SUS INMUEBLES VECINOS? UN ANÁLISIS PARA ÑUÑO A, SANTIAGO DE CHILE
Carlos, M. D., Esteban, S. & Carlos, A. N., 2015, In: Architecture, City and Environment. 27, p. 69-96 28 p.

Impact of shape, occupation and external parameters in the overall thermal performance of office buildings in Santiago, Chile
Vásquez, C., Prieto, A. & Aguirre, C., 2014, *Progress in Sustainable Energy Technologies Vol II: Creating Sustainable Development*. Springer International Publishing, p. 577-589 13 p.

Revisiting employment density as a means to detect metropolitan sub-centres: An analysis for Barcelona and Madrid
Marmolejo Duarte, C., Aguirre Nuñez, C. & Roca Cladera, J., 2013, In: Architecture, City and Environment. 23, p. 33-63 31 p.

Characterization of summer thermal behaviour of "class a" office buildings in Santiago, Chile.
Vásquez, C., Prieto, A. & Aguirre, C., 2012, *Proceedings - 28th International PLEA Conference on Sustainable Architecture + Urban Design: Opportunities, Limits and Needs - Towards an Environmentally Responsible Architecture, PLEA 2012*. (Proceedings - 28th International PLEA Conference on Sustainable Architecture + Urban Design: Opportunities, Limits and Needs - Towards an Environmentally Responsible Architecture, PLEA 2012).

El impacto del policentrismo sobre la distribución espacial de los valores inmobiliarios: Un análisis para la Región Metropolitana de Barcelona
Aguirre, C. & Marmolejo, C., 2011, In: Revista de la Construcción. 10, 1, p. 78-90 13 p.

Identification of urban subcentres by means of land use, electric consumption and CO₂ production. The case of Barcelona Metropolitan Area (RMB)
Nuñez, C. A. & Duarte, C. M., 2011, *PLEA 2011 - Architecture and Sustainable Development, Conference Proceedings of the 27th International Conference on Passive and Low Energy Architecture*. p. 125-131 7 p. (PLEA 2011 - Architecture and Sustainable Development, Conference Proceedings of the 27th International Conference on Passive and Low Energy Architecture).

Uncertainty and sensibility analysis in building simulation: A probabilistic approach to the real estate market of apartments in Santiago de Chile

Pino, F. E., De La Flor, F. J. S., Nunez, C. A. & Dominguez, S. Á., 2011, *PLEA 2011 - Architecture and Sustainable Development, Conference Proceedings of the 27th International Conference on Passive and Low Energy Architecture*. p. 23-28 6 p. (PLEA 2011 - Architecture and Sustainable Development, Conference Proceedings of the 27th International Conference on Passive and Low Energy Architecture).