

Juste Raimbault



Affiliation

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Background

Juste Raimbault is a PhD candidate in geography (supervision by HDR A. Banos and MCF F. Le Nechet). Trained as an engineer at Ecole Polytechnique and at Ecole Nationale des Ponts et Chaussées with a specialty in urban systems (City, Environment, Transportation), he also holds a Msc in Complex Systems Science from Ecole Polytechnique. This multidisciplinary formation is due to and the source of broad research interests linked to the application of Complex Systems methods to the study of urban systems.

Current Research

His thesis is focused on the study of Interactions between Networks and Territories, questioning in particular the construction of models for the co-evolution of land-use and transportation systems, and an associated geographical theory of co-evolutive networked territorial systems. Implications and applications range at various scales from e.g. the modeling of urban growth to the empirical study of transportation systems.

His work in China is aimed to collect empirical field support for the application of models: one at the meso-scale including decision making processes for transportation planning, applied on Guangzhou Mega-city Region, with a focus on the role of Zhuhai on regional development; the other at the macro-scale as a model of growth for Chinese cities, interrogating in particular the influence of medium-sized cities on global dynamics.

He also currently works on interdisciplinary collaborations from a Complex Systems Science perspective (in very different fields such as Ecology, Evidence-based Economics, Quantitative Finance, Urbanism, Epistemology).

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