Léo MARTIAL

Architect (DE-HMONP) | Civil engineer (Ph.D) | Research Associate

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Personal Data
French, 16/05/1987, Tokyo, Japan, married, European & Japanese driving licence

Research Interests
First, I explore **gamified urban design methodologies**, utilizing computational tools and interactive simulations to enhance participatory planning and data collection.

Second, I investigate the technical and social dimensions of **bicycle-centric urbanism**, integrating performance metrics such as Bicycle Level of Service (BLOS) and Multi-Modal Level of Service (MMLOS) with the theoretical framework of "generalized speed". This research examines the nexus of energy expenditure, infrastructure safety, and the unique socio-cultural drivers of bicycle lifestyles, exemplified by Japan's mamachari culture.

Third, I conduct research on **community-making** through the lens of third-place revitalization, specifically exploring the potential of "combini cafés" as nodes for social cohesion.

Academic Experience
2025 –	Research associate, Chuo University, Japan
2024 – 2025	Part-time lecturer, Musashi Uni., Hosei Uni., Tokyo City Uni., Yokohama National Uni., Japan
2009 – 2010	Assistant, Ecole Spéciale d'Architecture, France

Professional Experience
2022 – 2024	Architect, Nikken Sekkei Tokyo, Japan
2013 – 2017	Architect, AREP (SNCF French Railways Architecture Consultancy Office), France
2009 – 2012	Assistant architect, 1001 Maisons, LDBA, Euro BTP, Atelier 4+, Archipiade, h2o, France

Education
2017 – 2021	PhD, Yokohama National University, Institute of Urban Innovation, Japan
2015	DE-HMONP (Licensed Architect), Ecole Spéciale d'Architecture, Paris
2005 – 2010	Master's degree, Ecole Spéciale d'Architecture, Paris
2008 – 2009	Academic exchange, Tokai University, Tokyo

Awards and Grants
2017 – 2021	Kakenhi 2224, Japanese government research funding program
2019	Best presentation award, IASUR, Xi'an, China
2017	MEXT Scholarship, Embassy recommended, France

Languages
French	Mother tongue
English	Full professional proficiency
Japanese	JLPT N2