

Curriculum Vitae

PhD. Arch. LE LAN HUONG

GENERAL INFORMATION

Workplace: Hanoi University of Civil Engineering (HUCE), Vietnam.
Faculty of Architecture and Urban Planning
Position: Deputy Head of Architecture and Technology Division
Email: huongll@huce.edu.vn
Tel: (084)986699698

EDUCATION

Doctor of Philosophy in Urban Planing and Arrchitecture 2022
Hanoi University of Civil Engineering
Dissertation title: “Planning of Residential Housing Areas for Industrial Zones Workers in the Red River Delta Integrated with Sustainable Livelihood and Community Development.”
Instructor: Dr. Pham Dinh Tuyen

RESEARCH INTERESTS

- Social housing for low incomes in cities and workers in industrial parks.
- Building housing assessment criteria systems, housing database systems.
- Sustainable livelihoods of people associated with residential models.
- Inclusive design for social housing.

RESEARCH PROJECTS

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| • An overview of the theory and practice of inclusive design in architecture. University research project. (Project Code: 02-2025/KHXD) | 2024-2025 |
| • Research on disaster risk mapping according to the Sendai Action Framework to improve land use efficiency and ensure sustainable livelihoods in coastal areas of Kim Son district, Ninh Binh province. Ninh Binh Province Research Project. | 2022-2024 |
| • Assess the current situation and propose solutions for building residential areas to serve industrial and export processing zones in Hanoi. Hanoi City Research Project. (Project Code: CT05/03-202202). | 2022-2024 |
| • Research and propose solutions for renovating and rebuilding old social buildings in urban areas of Vietnam, piloted in Hanoi. (Project Code: B2022.XDA.08) | 2022-2024 |
| • Research on developing guidelines for "High-tech park planning design" in Vietnam. (Project Code: RD 05-22/BXD) | 2022-2023 |
| • Building a database system on social housing. Construction Ministry Research Project. (Project Code: RD 06-17/BXD) | 2018-2020 |
| • Building a database system on workers' housing in Hanoi industrial parks. University research project. (Project Code: 120-2017/KHXD-TD) | 2017-2018 |
| • Building a comprehensive evaluation criteria system for social housing construction solutions in Vietnam. University research project. (Project Code: 123-2015/KHXD-TD) | 2015-2016 |
| • Technological solutions to create social housing models in Vietnam. Construction Ministry Research Project. (Project Code: RD 99-13/BXD) | 2014-2016 |

PUBLICATIONS

Articles in international journals and conferences

- **Lan-Huong Le** and Anh-Vu Nguyen. *Assessing the Livelihood Capacity of Workers and Planning Orientation for Residential Areas Toward Sustainable Livelihood of Workers in Industrial Zones Around Hanoi, Vietnam*. Urban Transformational Landscapes in the City-Hinterlands of Asia Challenges and Approaches - Advances in 21st Century Human Settlements. SPRINGER BOOK. 2023
- Nguyen Văn Tuyen, Tran Khanh Dung, **Le Lan Huong**, Nguyen Thu Huong. Solutions for Vietnam affordable housing database management. International Journal of Sustainable Construction Engineering and Technology - ISSN: 2180-3242 2022
- Mai Thi Nguyen, Tho Tran, Chi Vu Linh Hoang, **Lan-Huong Le**, Jennifer Hoponick Redmon. *Social and Structural Determinants of Health: Studying Workers in Hanoi, Vietnam's Industrial Zones*. Journal of Housing and Society: Special Issue: Housing and Health, 2021. 2021
- **Lan-Huong Le**, Thuy-Trang Nguyen. Relation between Residential Building Types and Public Health of Migrant Workers in Industrial Parks - Case Studies from North Thang Long Industrial Park in Hanoi. Construction Digitalisation for Sustainable Development (CDS2020) Conference. AIP Conference Proceedings. 2021
- **Le Lan Huong**. The importance of public spaces to social integration for young migrant workers in Hanoi. Journal of Science and Technology in Civil Engineering. Vol 13, No2, 2019. (pp. 111-120). 2019
- **Lan-Huong LE**, Anh-Dung TA, Hoang-Quyen DANG. Building a system of indicators to measure social housing quality in Vietnam. International Conference "Sustainable Development of Civil, Urban & Transportation Engineering, 4/2016. Procedia Engineering 142 (2016) 115 - 122. 2016

Articles in Vietnamese journals

- **Le Lan Huong**, Nguyen Cao Lanh, Nguyen Thuy Trang, Nguyen Thi Van Huong. *Models of planning residential areas for workers in Hanoi industrial parks*. Journal of Construction Science and Technology (TCKHCN XD) - National University of Civil Engineering, 18(4V), 45-58. 2024
- Nguyen Thuy Trang, **Le Lan Huong**, Nguyen Cao Lanh, Nguyen Thi Van Huong. *Assessment of the status of architecture and landscape of social housing for workers in Hanoi*. Architecture Magazine, No. 5/2024 (21-26) 2024
- Nguyen Thi Van Huong, **Le Lan Huong**, Nguyen Cao Lanh, Nguyen Thuy Trang. *Assessment of the status of management and operation of social housing areas for workers in Hanoi*. Construction Magazine, No. 08/2024 (78-83) 2024
- **Le Lan Huong**, Nguyen Duy Thanh, Nguyen Thuy Trang. *Architectural heritage and community livelihoods in the ancient stone villages of Khuoi Ky and Na Vi, Cao Bang*. Architecture Magazine, No. 6/2023 (72-77). 2023
- Pham Dinh Tuyen, **Le Lan Huong**, Nguyen Minh Hieu, Nguyen Thi Diep. *Urban model for young intellectuals*. Construction Planning Magazine No. 123, July 2023 (48-52) 2023
- **Le Lan Huong**. *Models and solutions for planning and constructing worker housing areas in industrial parks*. Construction Planning Magazine No. 123, July 2023 (42-47) 2023
- **Le Lan Huong**. *Diversify investment models of social housing for workers*. Architecture Magazine, No. 5/2022 (69-72) 2022
- **Le Lan Huong**, Nguyen Thi Van Huong, Nguyen Thuy Trang, Nguyen Thu Trang. *Building a database of workers' housing in Hanoi industrial parks*. Journal of Construction Science and Technology, University of Civil Engineering, No. 13/2019. (84-95). 2019
- **Le Lan Huong**, Nguyen Thi Van Huong. *Workers' Housing Database: Platform for Creating a National Real Estate Information System*. Architecture Magazine, No. 04/2018. (53-57). 2018

- **Le Lan Huong**, Nguyen Lan Phuong. *Research on some social housing models in the world according to stages and identify the current status of social housing development in Vietnam*. Collection of reports of the 17th Science and Technology Conference of the University of Construction. Construction Publishing House, 2016 2016
- **Le Lan Huong**. *Overview of housing assessment criteria system in some countries and orientation for assessing social housing in Vietnam*. Journal of Construction Science and Technology, No. 8(4V), (88-94) 2015
- Pham Dinh Tuyen, **Le Lan Huong**. *Research on technological solutions to create a model for social housing development*. Proceedings of the Scientific Workshop “Policy Mechanism and Housing Solutions for Low-Income People in Urban Areas and Industrial Zones” organized by the Vietnam Construction Association and the Vietnam General Confederation of Labor, November 2015. (25-31) 2015

CONFERENCES AND FORUMS

Being a keynote speaker in:

- Conference on *Social Housing Development for Workers in Industrial Parks - From Policy to Practice*, organized by the Ministry of Construction, Thai Binh Provincial People's Committee and Green I-Park Company. December 2024
- Scientific conference on *Housing Development and Vietnam Real Estate Market - Current Situation and Solutions* organized by the Academy of Construction Management - Ministry of Construction. November 2024
- Scientific conference on *Housing issues for workers in industrial parks in Vietnam* organized by the Vietnam General Confederation of Labor and the Institute for Urban Studies and Infrastructure Development. August 2024
- *Vietnam Housing Forum, 2024* organized by Habitat for Humanity. June 2024

TEACHING EXPERIENCES

- Teaching many subjects for bachelor and master's degree: principles of architectural design, architectural structure design, history of architectural technology, specialized topics of architecture... 2000-Present
- Supervising students to carry out architectural design projects, specialized architectural technology projects, integrated projects, and graduation projects.
- Instructing students to do research projects.
- Member of the project team for Training Program Innovation of the Faculty of Architecture and Planning. 2021-Present
- Member of the team for Training Program Standards, part of the Training Quality Assessment Group according to AUN-QA standards established by HUCE. 2024-Present