

# Curriculum Vitae

## PhD. Arch. NGUYEN CAO LANH

### GENERAL INFORMATION

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**Workplace:** Hanoi University of Civil Engineering (HUCE), Vietnam.  
Faculty of Architecture and Urban Planning  
**Position:** Deam of Faculty, Head of Architecture and Technology Division  
**Email:** [lanhnc@huce.edu.vn](mailto:lanhnc@huce.edu.vn)

### EDUCATION

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**Doctor of Philosophy in Urban Planing and Arrchitecture** 2012  
Hanoi University of Civil Engineering  
*Dissertation title:* "Planning of industrial parks in rural areas of the Red River Delta towards ecological orientation"

### RESEARCH INTERESTS

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- Planning of specialized functional areas for industrial and handicraft production, includes: industrial parks, industrial clusters, export processing zones, high-tech zones, eco-industrial parks, craft village industrial clusters, agro-industrial zones, business parks, etc.
- Planning of new specialized functional areas in the industrial 4.0 era such as industrial-urban-service zones, smart industrial parks, cultural industrial parks, next-generation industrial parks, etc.
- Planning and design of smart cities and smart buildings
- Planning and design of social housing, especially housing for workers and inclusive design
- Planning and design of sustainable residential units

### RESEARCH PROJECTS

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- **Nguyen Cao Lanh**, *Industrial Cluster Planning Model for Small and Medium-Sized Enterprises in Hanoi* 2023
- Pham Dinh Tuyen, **Nguyen Cao Lanh**, *Developing Entrepreneurship Skills for Students in the Construction Sector in Vietnam* 2022
- **Nguyen Cao Lanh**, *Application of Computational Design in Architectural Design* 2019
- **Nguyen Cao Lanh**, *Innovating Undergraduate Architecture Training Programs to Support High-Quality Architect Training* 2016
- Pham Dinh Tuyen, **Nguyen Cao Lanh**, *Technological Solutions for Establishing Social Housing Development Models*
- **Nguyen Cao Lanh**, *Solutions for Developing Mixed-Use Spaces Combining Small-Scale Production and Housing in Urban Areas of Hanoi* 2014
- Pham Dinh Tuyen, **Nguyen Cao Lanh**, *Planning and Development of Sub-Regional Centers in Mid-Land Districts: A Case Study in Hiệp Hòa District, Bắc Giang Province* 2011

### PUBLICATIONS

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#### Articles in international journals and conferences

- Ta Quynh Hoa, **Nguyen Cao Lanh**, Nguyen Quang Minh, *Community participation in urban planning in Vietnam towards sustainable development - Prospect and challenges*, Global Changes and Sustainable Development in Asian Emerging Market Economies, Springer Book, 978-3-030-81442-7, Vol 2, 01/12/2021 2021
- Phung Thi My Hanh, **Nguyen Cao Lanh**, *Integration of the Architecture Training Program at* 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 current 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 current status of management and operation of social housing areas for workers in Hanoi*. Construction Magazine, No. 082024 (78-83) 2024
- **Nguyen Cao Lanh**, *Training in Architectural Technology in the Context of the Fourth Industrial Revolution*, Vietnam Architecture Magazine 2022
- **Nguyen Cao Lanh**, Development Planning of Industrial Clusters for Small and Medium-Sized Enterprises in Hanoi, Journal of Construction 2022
- **Nguyen Cao Lanh**, *Next-Generation Industrial Parks - An Inevitable Development*, Journal of Construction 2022
- **Nguyen Cao Lanh**, *Sustainable Development for Industrial Parks in Vietnamese Cities*, Journal of Science and Technology in Construction 2016
- **Nguyen Cao Lanh**, *New Rural Planning with a Sub-Regional Center and Rural Industrial Cluster Model*, Journal of Science and Technology in Construction 2014
- **Nguyen Cao Lanh**, *Developing Rural Industrial Parks Towards Ecology*, Vietnam Architecture Magazine 2010
- **Nguyen Cao Lanh**, *Some Issues in the Development Planning of Industrial Parks in Rural Areas of the Red River Delta*, Journal of Science and Technology in Construction 2010

## Publications

- **Nguyen Cao Lanh**, *Design of Urban Technical Infrastructure Plants*, Volume 1, Construction Publishing House 2012
- **Nguyen Cao Lanh**, *Eco-Industrial Parks: A Model for Sustainable Development in Vietnam*, Science and Technology Publishing House 2006
- **Nguyen Cao Lanh**, *Development Planning of Business Parks: An Essential Model for Modern Cities*, Construction Publishing House 2005
- **Nguyen Cao Lanh**, *Sustainable Neighbourhood Planning*, Construction Publishing House 2005

## TEACHING EXPERIENCE

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Teaching many subjects for bachelor, master and doctor degree: principles of architectural design, architectural structure design, specialized topics of industrial architecture, BIM and innovation, innovation in technological architecture, smart building design,...

Supervising students to carry out architectural design and planning projects, specialized architectural technology projects, integrated projects, and graduation projects.

Instructing students to do research projects.

1996-Present