

KANOKWAN MASUWAN

ARCHITECT/GREEN BUILDING CONSULTANT (TREES-A)


Architecture License: Assoc.Arch.16686



October 13th, 1988
39/286 Nichadathani Village, Pakkret
Nonthaburi TH 11120

 kanok.masuwan@gmail.com

 Kanokwan Masuwan

 +66 90961 4261

EDUCATION

Department of Geography and Earth
University of North Carolina at Charlotte
North Carolina, USA

under the mentorship of Dr. Jean-Claude Thill.
2016-2020

Doctor of Philosophy, Ph.D.
(Integrated Science of Built Environment)
GPA 4.00

Royal Golden Jubilee PhD's Scholarship

Faculty of Architectural and Planning
Thammasat University, Thailand

2011-2012
Master of Architect, M.Arch (Building Technology)
GPA 3.91

The Thesis of the Year Award

2007-2010
Bachelor of Science, B.Sc. (Architect)
GPA 3.57 (1st Class Honors)

KING BHUMIBOL's Scholarship

EXPERIENCE

United Technology Enterprise Ltd.,
(Benchachinda Group)
Bangkok, Thailand

January 2021-Current

Business Development Sales & Marketing Manager
Smart City and Digital Solution & Development dept.

- Plan, organise and execute assigned IoT solution and Urban Planning Design to smart cities,
- Conduct meeting with stakeholders, perform an initial assessment of a problematic situation and provide guidance for any occurring problems and issues.
- Present solutions and suggestions to clients with ample justification and practical advice.
- Plan and manage resources effectively, including feasibility study and financial budgets.

Asia Space Planning Ltd.,
Bangkok, Thailand

March 2019-November 2020

Research Senior Manager/Senior Architect

- Research solution for smart cities, smart farming, health, and transportation, development research projects on behalf of Thailand's National Charter Committee.
- Collect and analyse primary/secondary data to formulate recommendations and solutions.
- Manage junior research staff and subcontractors (including market research fieldwork agencies) as necessary to achieve project objectives, seeking best value at all times.
- www.nationalcharter.co

Design 103 international Ltd.,
Bangkok, Thailand

June 2013-March 2017

Architect and Green Building Specialist

2017 28 Chidlom (high-rise luxury condo, 47,000 sq.m.)
Udonthani Convention Center (20,000 sq.m.)
2016 Bumrungrad International Hospital
2015 CP Exhibition and Convention Center (26,500 sq.m.)
SCB Automated Warehouse (5,600 sq.m.)
2014 CP Northpark Office Building (24,000 sq.m.)
2013 Suvarnabhumi Airport Expansion (250,000 sq.m.)
PTT New Grid Command Office Center (28,000 sq.m.)
PTT Parking Building (3,500 sq.m.)

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THESIS/DISSERTATION TOPIC

2012: Master Degree

- Development of Fiber Cement Boarding using Natural Fibers for Improving Sound Insulation

2016: Doctoral Degree

- Homogeneity Classification of Physical Forms Using Form-Based Code to Support Land Use Policy in Bangkok Metropolitan Area
- A Comparison of Innovative Building Design with Implementation of Form-Based Codes in America and Asia, Case Study: Denver, Hong Kong and Abu Dhabi
- Design Based Approaches to Incorporating Form-Based Codes for Zoning for Historic Preservation in Thailand
- The Practice and Experience of Form-Based Codes in the United States, the Nascent Interest for It in Thailand and Lesson from the Former to the Latter
- Innovation Building Design with Form-Based Codes for Sustainable Urban Development

PUBLICATION

Masuwan, K., Lertwattanakul, P. (2020). Incorporating Form-Based Codes into | the Design- Based Approach to Historic Building Conservation in Phuket, Thailand. Sustainability, 12(9), 38-59.

CITESCORE 3.01 SCOPUS, IMPACT FACTOR 2.592

Masuwan, K., Lertwattanakul, P. (2021). A Comparison of Innovative Building Design with Implementation of Form-Based Codes: Case Studies of Denver, Hong Kong (HKSAR) and Phuket (Thailand) Journal of Architectural/Planning Research (JARS), 18(1), 21-40.

Masuwan K., Lertwattanakul, P. (2019). Form-Based Codes for Historic District Guidelines in Phuket Old Town. Proceedings of the 16th Pacific Regional Science Conference Organization (PRSCO). Bangkok, Thailand.

Masuwan K., Lertwattanakul, P. (2019). A Comparison of Innovative Building Design with Implementation of Form-Based Codes in America and Asia: Case Study: Denver, Hongkong and Abu Dhabi. Proceedings of the Urban and Regional Planning Academic Symposium, Bangkok, Thailand.

Masuwan K., (2019). Form-Based Codes for Urban Revitalization. Proceedings of the 6th National Charter for Urban and Local Economic Improvement. Bangkok, Thailand.

Masuwan K., (2019), The Practice and Experience of Form-Based Codes in the United States, the Nascent Interest for It in Thailand and Lesson from the Former to the Latter. Proceedings of the 5th National Charter for Urban and Local Economic Improvement. Bangkok, Thailand.

Masuwan K., Lertwattanakul, P. (2015). Investigation of sound insulation properties of fiber cement board containing natural fibers. KMUTT Research and Development Journal, 38(1), 71-86.

Masuwan, K., (2013). Development of Fiber Cement Board Using Natural Fibers for Improving Sound Insulation, Proceedings of the International Conference on Sustainable Building Asia (SB13 SEOUL), Seoul, Korea.

ARCHITECTURAL TECHNIQUE

Hand Drawing, Sketching



Physical Model



Ecotect, eQuest, DiaLUX



Phoenix (CFD)



Microsoft Office



Autodesk AutoCAD



Autodesk Revit



Autodesk InRoads



Adobe Photoshop



Adobe Illustrator




REFERENCE

Professor Pusit Lertwattanakul, Ph.D.

Associate Dean for Administration of Architectural and Planning, Thammasat University


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