



Dr. WONG Wah Sang 黃華生

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Dr. Wong Wah Sang joined the Department of Architecture of HKU as academic staff since 1990. He is currently Associate Professor of the Department. On various occasions, he had served as associate head, acting head and acting dean for the Faculty of Architecture. He taught in various courses for design, technology and practices in the BAAS and MArch curriculum as well as acted as supervisor and examiner for MPh and PhD students in HKU.

Dr. Wong had also taught in the Centre of Buddhist Studies since 2004 for various courses.

Academic and Professional Qualifications

Dr. Wong Wah Sang is a qualified architect in Hong Kong SAR, UK and Australia.

BA(AS)(First Hons), BArch(distinction), PhD(HK)
FHKIA, RIBA, ARAIA, APEC Architect, Registered Architect in HK, Authorized person

Fields of Specialty in Buddhism

Dr. Wong learned Buddhism under Master Tam Shek Wing (談錫永) in the Vajrayana Buddhism Association for more than 18 years. He studied the philosophy and meditative practices of Nyingma School following the lineage teaching of Dudjom Rinpoche.

Awards for Architecture



- 1 2009 Research Output Prize (Faculty of Architecture) University Research Committee, 2009 The University of Hong Kong
- 2 HKIA Honourable Mention on architectural research Hong Kong Institute of Architects 2007 (HKIA) Special Architectural Award - Architectural Research 'Quality of Life for Public Housing with Emphasis on Health and Safety Issues'
- 3 Literati Club Awards for Excellence: Outstanding Paper (with Ho, DCW, UK Leung HF, Wong SK, Cheung AKC etc.), Emerald Publishing, 2005

Assessing the Health and Hygiene
Performance of Apartment Buildings

- 4 Design award for Urban Renewal Urban Renewal Authority 2004
Competition in Lee Tung Street
- 5 Certificate of Merit for Research/Planning The Leisure and Cultural Services 2001
in the "Outstanding Green Project Department, the Hong Kong
Awards 2000" Institute of Landscape Architects
and the Society of Horticulture,
Hong Kong
- 6 Honourable Mention for HKIA Design Hong Kong Institute of Architects 2000
Competition

Lecture Courses in Architecture



Dr. Wong Wah Sang had taught in various courses in Architecture including design studios from BAAS Year 1 to March 2 Thesis, technology courses for BAAS, professional practices courses for March 1 and 2 as well as coordinating courses for Building Law, Management, Contracts and Technology for March curriculum.

PhD supervision includes topics on Building Law, Feng Shui, Historical Studies of Beijing, Housing Design etc.

Dr. Wong had taught on the Boardering courses of Architecture for the undergrad students on theories and inter-disciplinary studies.

Public talks in various topics were also given in the Education Bureau for the knowledge of architecture in the secondary school education.

Lecture Courses in Buddhism

Dr. Wong Wah Sang taught in HKU Centre of Buddhist Studies for the courses of :
BTSC 6073 - The foundation, path and result of enlightenment : fourfold dependent origination and profound prajna paramita,

BTSC 6074 - The Buddha Mind : an introduction to Tathagatagarbha.

BTSC 6025 – Supervision of dissertation

BTSC 6031 – Spirituality of Architecture

Dr. Wong taught on honorary capacity in the Renmin University of Peking 北京人民大學國學院 on The Teaching of Nyingmapa from February to April in 2009.

English meditative classes were organized by Dr. Wong in the HK Vajrayana Buddhism Association since 2011 spring.

Selected Research in Architecture

Quality of Life in Public Housing with Emphasis on Health & Safety Issues 以健康及安全為重點的公共屋邨生活質素研究

Objectives 主旨

- to create healthier living conditions
- prevent the spreading of infectious diseases such as SARS
- to improve HK's public housing standards for better quality of life
- 創造更健康生活條件
- 防止傳染性疾病擴展
- 改良香港公共屋邨設計以達致更好生活質素

Survey result on occupants's concern on factors about living environment:
住戶對於生活環境因素意見調查結果

Health 健康 (23.7%)

Physical Health

1. Provision of enough cross ventilation 提供足夠對流通風
2. Natural lighting 加強天然採光
3. Efficiency of room height 足夠的房間高度
4. The use of artificial ventilation / mechanical ventilation 使用人工通風
5. Redesign of re-entrant area 重新設計凸位
6. Installation of all water pipes and drainage are free from errors 減少水渠暖管的維修

Mental Health

1. Appropriate living densities 適當生活密度
2. Use of light 善用不同光度及光源
3. Psychological correlates 心理平衡
4. Increase the predictability and controllability in space 增加空間的預計與掌控
5. Acoustic insulation 噪音控制

Implementation study 1 可實施研究一

The main feature of the design is the double floor height of each flat in an economic way in terms of space and money. This is achieved by interlocking two flats with the service core in the middle facing the back and the single storey bedrooms facing the front, therefore leaving a double storey height for the two living rooms on the sides.

Individual flats 居住單位

In this design, one unit is composed of two duplex flats interlocking together. One of the flats consist of one living room plus 2 bedrooms with a gross floor area of 52.42m²; and the other one has one living room and 3 bedrooms with a gross floor area of 70.69m². By interlocking the flats, it leaves the living rooms with a double ceiling height.

The building is divided into North, South, East and West wings. The East and West wings are the highest in building height as they are the least affected by Sun glare and also act as the shelter for the North wing. The windmill-shape arrangement of the four wings allows great open air in front of the front façades of every flat, and a big common space can be achieved in the central core of the building.

Health 健康 ✓✓✓✓
Safety 安全 ✓✓✓
Useability 可用性 ✓✓✓
Green 綠化 ✓✓✓
Fengshui 風水 ✓✓✓

Major research themes include : health issues related to building design, especially on residential buildings, urban renewal project, conservation techniques, practices and management, architectural design and theories, education.

Recent Projects :

Green projects for innovative housing design (completed in 2000) with Certificate of Merit award by the HKILA, Leisure and Cultural Services Department, and Society of Horticulture;

Legislative control on private residential developments (completed in 2003) with PhD;

Building health Index (completed in 2005) with award of excellence from the Literati Club;

Quality of life for public housing with emphasis on health and safety issues (completed in 2007) with Special Architectural Award – architectural research by HKIA;

Comparative Study of Professional Practices in Hong Kong and Mainland China (completed in 2010) in collaboration with Tsinghua University and HKIA. Its objective is to promote the co-operation between architects including : co-ordination role of architects, supervision role of architects, similarities in the working procedure. The study is funded by HKIA and co-operated with Tsing Wah University. The project started at 20th August 2008 and completed with a presentation at HKIA on Jan 2010. Wong Wah Sang acts as the principal researcher.

專為高中學生而設計的 For senior secondary school students

建築教材 Teaching Kit

香港建築: 中學教材之建築學導引

**Architecture in Hong Kong:
Teaching Kit for the Appreciation of
Architecture in Secondary School
Curriculum**

主辦機構 Organizer
香港建築師學會
The Hong Kong Institute of Architects

贊助機構 Sponsor
CREATEHK

研究團隊 Research Team
THE UNIVERSITY OF HONG KONG 香港大學
faculty of architecture 建築學院
Community Project Workshop 社區項目工作坊

Teaching Kit of Architecture for senior secondary schools (completed in march 2013) with HKIA, HKU Faculty of Architecture and funded by Create Smart Hong Kong and supported by the Education Bureau. Wong Wah Sang is the project director of HKIA for the

“Teaching kit of architecture for secondary schools” with funding from CreateSmart Industries of the government funding program. With focus on Hong Kong context, this will provide readily accessible examples of architecture to help students to comprehend the local culture and develop their skills of creativity within restrictions of economy and legislation. Through the understanding of local architecture in Hong Kong, this will generate sense of belonging to the local community. Knowing the local conditions, spirit of environmental awareness and cultural conservation are cultivated. This provides the student with a good link to tertiary education in the field of art, science and technology of the built environment such as architecture, real estate and construction, town planning, urban design, conservation and engineering and a basis for corresponding relevant professions.

Wong Wah Sang is co-investigator of a research funded by the HKU SPACE RGC grant. Title is “An Illustrated Guide to Understanding the Hong Kong Building Code”. (Project commenced in 2011). The objective is to provide a graphical interpretation and explanation in English of the Hong Kong Building Code in the form of a well-researched, course applicable and user friendly reference for students, professionals and anyone interested.

Recent Public Lectures

2013 “Humanity And Rationality In Architecture”, Chinese Foundation School

2013 “When Music meets Architecture : a concert of architectures” , Education Bureau

2012 “HKIA teaching Kit of Architecture”, HKIA

2012 “Art and Architecture”, Education Bureau

2012 “Aesthetics of Zen in Japanese Gardens”, Education Bureau

When Music Meets Architecture
~ A concert of Architectures

音樂會 建築

一個談音樂與建築的講座

主講: 黃華生

日期
二零一三年三月八日

時間
下午二時至五時

地點
九龍塘沙福道19號教育局
九龍塘教育服務中心西座3樓W321室

內容包括

- 序曲
- ~音樂史與建築結構比較
- 建築的樂章
- 古典音樂同步的建築格式
- 中世紀/巴洛克/浪漫
- 古典/現代/二十世紀

2012 “Art and Architecture”, Education Bureau

2012 “Science and Architecture”, Education Bureau

2012, “Seeing Zen in Sakura” HK Vajrayana Buddhism Association

2011 “Feng Shui and Architecture”, City University of Hong Kong

2010 “Zen and Sakura”, Antiquities and monuments office

2009 “The Architecture of Gaps- a Phenomenon of Hong Kong”, China Study programme 2009 organized by the Hong Kong Polytechnic university and Kufstein Tirol University of Applied Sciences



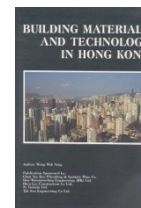
Publications

Scholarly Books and Monographs

- (1) Wong Wah Sang, The Story of Gui Lin Zhai, 1991, All Arts Ltd., 60 pages



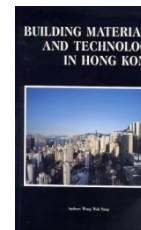
- (2) Wong Wah Sang, Building Materials and Technology in Hong Kong, 1991, All Arts Ltd., 288 pages, ISBN 962-8083-01-5.



- (3) Wong Wah Sang, Building Materials and Technology in Hong Kong, 1992 (re-printing), All Arts Ltd., 288 pages.



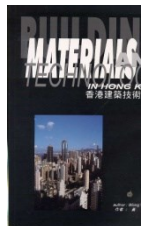
- (4) Wong Wah Sang, Building Materials and Technology in Hong Kong, 1995 (second edition in bi-lingual), All Arts Ltd., 288 pages.



- (5) Wong Wah Sang, 建築外牆香港案例 (External Wall - Hong Kong Case Studies), 1997, 中國計劃出版社, 貝思出版有限公司, 216 pages, ISBN7-80058-608-1/TU.49.



- (6) Wong Wah Sang, Building Materials and Technology in Hong Kong, 1998 (third edition), All Arts Ltd., 288 pages.



(7) Wong Wah Sang, Building Enclosure in Hong Kong, 1998, Hong Kong University Press, 245 pages, ISBN 962 209 449X



(8) Wong Wah Sang, 觀察香港城市 (Watching the City of Hong Kong), 2002, 匯訊出版有限公司, 192 pages, ISBN 962-8383-28-0.



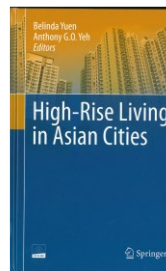
(9) Wong Wah Sang, Building Materials and Technology in Hong Kong, published in 2006, (Revised edition), Pace Publication Ltd.



(10) Wong Wah Sang, Professional Practices for architects in Hong Kong, 2009, (Revised edition), Pace Publication Ltd.



(11) Wong Wah Sang, Book Chapter “Legislation and safety of tall residential buildings”, High-rise living in Asian Cities, Belinda Yuen, Anthony Yeh, Springer, 81-112



Selected Conference Papers

2013 “The essence of Buddha Nature in seeing Japanese Zen Gardens”, 2013 Hawaii International Conference on humanities

2013 “Architecture in the Education of Senior High School Students: Young People Learning Architecture”, Seventh International Conference on design Principles and Practices in Chiba, Japan

2013 “Architecture As A Teaching Kit In Senior High Schools” Hawaii International Conference On Arts And Humanities 11th Annual Conference

2013 “Regulating High Density Environment in the Colonial Context: A Hong Kong Review” in the Fourth international Conference on the Constructed Environment at Lisbon

2008 “ The Contemporary Urban Housing and its Building Control in Singapore, The Seventh China urban Housing Conference

2005 “The practice of four-fold dependent origination for entering into non-conceptuality”, Third Annual Hawaii International Conference in Arts and Humanities

2005 “Architecture and Feng Shui as Phenomena of Dependent Origination”, International Symposium on Scientific Feng Shui & Built Environment 2005”

2004 “A Profound Insight into Nagarjuna’s Mulamadyamakakaria – The Interpretation of the Theory of Dependent Origination into its Fourfold Meanings”, 2004 Second Annual Hawaii International Conference in Arts and Humanities

2004 “A view of the spread of SARS in high density conditions with particular reference to the underlying control due to building code”, (with reference to the doctrine of dependent origination), 2004 Second Annual Hawaii International Conference in Arts and Humanities

Recent Journal Articles



2013 “Seeing the Buddha Nature in Japanese Zen Gardens” , International Journal of Business, Humanities and Social Science, Vol. 1, No. 4, Jan 2013. pp. 314-320 , Vol1. no.4, 3140322

2012 “Appreciation Of Architecture In Secondary Schools” , Pacific Rim Construction

2009 “Evaluation on Indoor Environment Quality of Dense Urban Residential Buildings”, Journal of Facilities Mangement, Volume 6 Issue 4, 245-265 (with Edwin Chan and KSLam)

2008 “Evaluation on Indoor Environment Quality of Dense Urban Residential Buildings”, Journal of Facilities Mangement, Volume 6 Issue 4, 245-265 (with Edwin Chan and BSTang)

2008 “A Survey Of The Health And Safety Conditions Of Apartment Buildings In Hong Kong, Building and Environment, 43(5), 764-775, (with DCWWho, KWChau, AKC Yau, SKLeung, SYLau)

Editorial Work

Member of Editorial Board for Studies in Sociology of Science, Studies in Sociology of Science in Canada

Advisor for HKIA Journal

Member of Editorial Board for “Series of guidance for Buddhist Sutras and commentaries”,

傳統文化典籍導讀, 談錫永主編, 中國書店出版, 修訂版編輯委員,

Member of Editorial board for “The Monograph Series in Sino-Tibetan Buddhist Studies” in association of the School of Chinese Classics at Renmin University of China and The Sino-Tibetan Buddhist Studies Association in North America.

Publications include :

漢藏佛教藝術研究

聖入無分別總持經

如來藏二諦見

A Study of the Dharmadharmatavibhanga volume 1&2

Editorial Board for Nyingmapa Series, Buddhall, Taiwan, with publications of books :

光明藏

善說顯現喜宴

決定寶燈

四部宗義

無修佛道

大圓滿前行

心性休息導引

Chinese Articles on Architecture and Buddhism

無實有的城市空間, 香港建築師學報, 2003, 第34期, 28-29頁

城市的無常與生機, 香港建築師學報, 2003, 第35期, 30-31頁

週遍時空幻城市, 香港建築師學報, 2003, 第36期

尋找城市真面目, 香港建築師號報, 2004, 第37期, 36-37頁

緣起與風水－看城市建設環境, 戰國策, 2003, 第13期, 48-55頁

Consultancy Work on Religious Architecture

St. Jerome Church, Tin Shui Wai

St. Thomas Church, Tsing Yi

Western Monastery 西方寺, Lo Wai, Tsuen Wan, Hong Kong

Renovation for Tung Lin Kok Yuen 東蓮覺苑, No. 15 Shan Kwong Road, Happy Valley, Hong Kong

Professional Services



1	Architects' Registration Board	member	09/2004-08/2007
2	Hong Kong Institute of Architects	board chairman & council member	01/2005-12/2006
3	Hong Kong Institute of Architects	Vice President	01/2003-12/2004
4	Hong Kong Institute of Architects	Hon. Secretary	01/2001-12/2002
5	Hong Kong Institute of Architects	Panel chairman for professional assessment	01/2007-present
6	Hong Kong Institute of Architects	member of academic qualifying assessment panel	05/2009-present
7	Hong Kong Institute of Architects	member of the Professional Assessment committee	01/2007-present
8	Hong Kong Institute of Architects	member of Board of Education	01/2013-12-14
9	Hong Kong Institute of Architects	eligibility panel	01/2012-present

Community/Public Services

1	Fire safety Committee	fire safety expert	06/2013 - 06/2015
2	Value Management Workshop	member	11/2003 - 12/2004
3	West Kowloon Cultural District Authority	collaborator	03/2009 - 12/2011
4	Urban Watch	chairman	01/2000 - 08/2012
5	Building Tribunal Committee	member	01/2003 - 12/2010
6	Advisory Committee on Barrier free Access	member	07/2011 - 07/2013
7	Urban Design Task Force (Highways Department)	member	01/2004 - 12/2005
8	Vetting Committee for Building Safety Loan Scheme (Buildings Department)	member	01/2004 - 12/2005
9	Professional Green Building Council	honorary auditor	01/2005 - 12/2005
10	Central and Western District Project Committee	member	01/2003 - 12/2004