







## Message from the Director

A school of architecture in a university represents many things but it is, first and foremost, a place of learning – for open-minded enquiry, innovative explorations and intellectual leadership in our field and profession. At the Chinese University of Hong Kong, the architecture and urban design programmes are structured not merely to train graduates to join the ranks of their current profession, but to educate our students in adapting to the inevitable changes to be encountered during future careers in their profession, as well as defining and formulating it with leadership.

3

Central to this notion of intellectual leadership is the essential role of architectural research. As one of our past external examiners liked to say, a research programme is the “engine room” of any school of architecture. In recent years, the diverse areas of architectural research by our faculty members and postgraduate research students have been organized into distinct Design Research Units in order to provide research infrastructure, promote mentoring, as well as integrate research and teaching.

This more purposeful alignment and integration of research and teaching in all our programmes has provided more meaningful content to design studio topics, bridged critical thinking and innovative design, enriched the exploration and advancement of knowledge in concentrated areas, as well as provided societal impact and lasting contributions to our built environment, whether via innovative design projects or environmental planning policies, etc.

I am pleased to witness the launch of this publication of the “Grey Book” to highlight both the research directions and accomplishments of our faculty members and postgraduate research students. This volume accompanies the annual publication of the longstanding “Black Book” that documents our teaching curriculum. Together, the two periodical booklets chronicle the aims and ambitions of our School of Architecture to advance practice-driven theory and theory-driven practice.

Nelson Chen FHKIA FAIA FRIBA  
Professor of Practice in Architecture  
Director, School of Architecture



## Contents

Message from the Director	3
Design Research Units (DRUs)	
Building Technology and Sustainable Design (BTSD)	6
Design Methodology and Practice (DMP)	8
Digital Technology and Computational Design (DTCD)	10
History, Culture and Conservation Design (HCCD)	12
Urban Design and Landscape Urbanism (UDLU)	14
Research Profiles	
Thomas CHUNG Wang Leung	16
Kristof CROLLA	18
Peter W. FERRETTO	20
Adam FINGRUT	22
Stanislaus FUNG	24
GU Daqing	26
Patrick HWANG Cheng Chun	28
Seng KUAN	30
Edward NG Yan Yung	32
REN Chao	34
Francesco ROSSINI	36
Hendrik TIEBEN	38
TSOU Jin Yeu	40
ZHU Jingxiang	42
Research Grants	
University Grants Committee Research Projects	44
Other External Grants	46
Faculty Direct Grants	48
MPhil and PhD Students	50
Conferences and Workshops	54
Location	64

# Building Technology and Sustainable Design (BTSD)



Design and Technology are inseparable in attaining sustainable design solutions. The Building Technology and Sustainable Design (BTSD) Design Research Unit is based on an understanding that successful architecture is a seamless integration between the two, where comprehensive and innovative solutions can be explored through a broad spectrum of applications, including responses addressing climate, comfort, construction, material resources, and use.

This research-based design platform enables and supports investigations in building technology and sustainability at multiple scales in order to develop integrated design strategies that are appropriate to specific design problems, and that support solutions for the longevity of the built environment. Sustainability is a way of thinking, designing and implementing that informs user-motivated architecture, placing primary value on our environment.

*Sustainability and bad design are contradictions in terms. It is the quality of architecture itself that contributes to both personal well-being and longevity of the built environment.*  
– Matthias Sauerbruch

## FACULTY MEMBERS



Bruce LONNMAN



Edward NG



REN Chao



TSOU Jin Yeu



ZHU Jingxiang

## STUDIO PROJECTS

2017-2018

### OrganiCity: A New Territory of Ecological Dwelling

Thomas CHUNG

2016-2018

### Constructing Lightness / Fabricating Lightweight

ZHU Jingxiang

2016-2017

### Sustainable Community for Active-aging and Inclusiveness: An Attempt of Co-housing in Design Solutions

TSOU Jin Yeu

2015-2016

### Transcultural Understanding of Designing with Climate Change

Edward NG

2014-2015

### Vertical City and Lifestyle Living for Sustainable Urbanism

TSOU Jin Yeu

### Shelter for Homeland

ZHU Jingxiang

Top: Award-winning, anti-seismic rammed-earth house designed and built by Edward NG and IUIV team (2017); Bottom: Dou Pavilion, 2016 Venice Architecture Biennale, by ZHU Jingxiang



# Design Methodology and Practice (DMP)



The Design Methodology and Practice (DMP) Design Research Unit is committed to current social issues, construction methods and pedagogical approaches as its agendas. It seeks to rebuild the fundamental bridge between theory and praxis by emphasising the “engaged process” as its principal pedagogical approach to design and research.

Each design studio of DMP addresses a specific research topic through a range of methodical approaches. The process encourages students to analyse and think critically before engaging them to design responsively, as they progress from the experimental and metaphysical towards the concrete and articulated. This pedagogical model reinforces the notions of “research advancing practice” and “practice reinvigorating research”.

Adopting a theme-based research approach, DMP provides a platform of engaged process for faculty members to pursue and undertake initiatives in architecture and related fields, while inviting student participation in its on-going projects, and actively seeking collaborations within and beyond the School.

## FACULTY MEMBERS



Nelson CHEN



Kelly CHOW



Peter W. FERRETTO



GU Daqing



Patrick HWANG

## STUDIO PROJECTS

2017-2018

### Condition/Together: Collective Housing and the Urban Residential Block

Peter W. FERRETTO

### Hong Kong Archive 2037

Patrick HWANG

2016-2017

### Transforming Reality: Searching for a Sense of Knowledge

Peter W. FERRETTO

2015-2016

### Transmutation: The Post Military-Industrial Complex

Patrick HWANG

### Rehabilitation Neighbourhood: The Healing of the Ailing Human Being

Peter W. FERRETTO

2014-2015

### Urban Repository, Artifacts and Memories

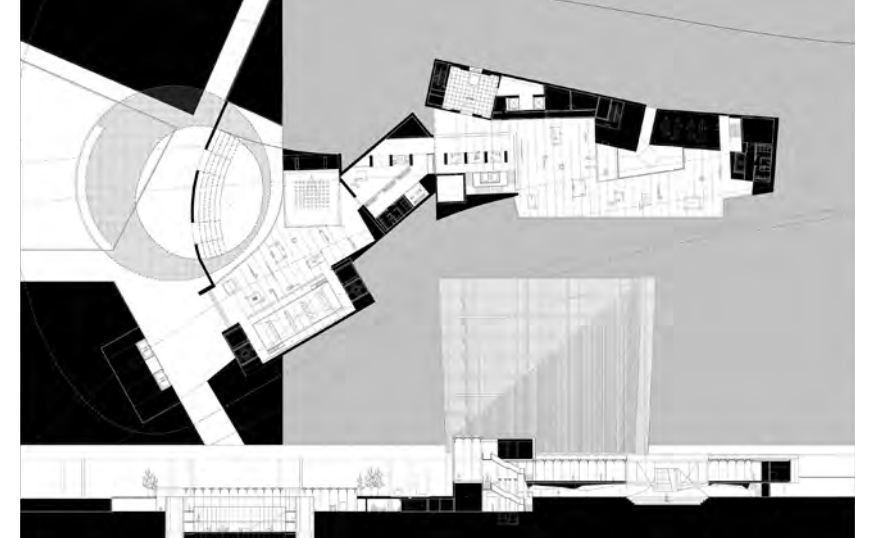
Patrick HWANG

### Pause City: Re-using Residual Spaces

Peter W. FERRETTO

Top: Hong Kong Archive 2037 (2018), MArch 1 studio project by Eric CHEUNG Kat Fu;

Bottom: Lost Infrastructural Spaces of Hong Kong (2015) by Peter W. FERRETTO, Sungyeol CHOI, Thomas CHEE and Certina CHAN



# Digital Technology and Computational Design (DTCD)



The Digital Technology and Computational Design (DTCD) Design Research Unit focuses on the impact of computation on the architectural industry, ranging from conceptual design to project implementation and digital fabrication.

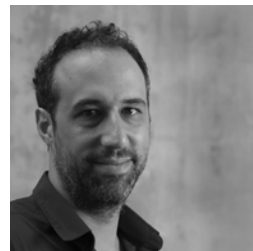
Through a series of core and elective courses, design studios and thesis projects, students in DTCD are introduced to various aspects of computation, including logics, procedural and algorithmic design methodologies, complex geometry and computational design theory. DTCD re-evaluates generative design methodologies with regard to form, material systems, materialisation strategies, construction detailing and other cross-disciplinary processes. Concepts are developed between design, mathematics, natural systems, and new technological fields.

Ongoing research projects of DTCD explore the strategic appropriation of computational tools within the local construction context of Hong Kong and the Pearl River Delta. This includes projects introducing real-time physics engines and procedural design in the early conceptual design stages of lightweight, bending-active, bamboo grid shell structures that use traditional, locally-available bamboo scaffolding craftsmanship for their implementation. Other studies investigate the computer numerically-controlled production of moulds for concrete casting. In addition, current collaborations with CUHK Department of Mechanical and Automation Engineering and T Stone Robotics Institute research the integration of robotics in a wide range of architectural design and construction applications.

## FACULTY MEMBERS



Kristof CROLLA



Adam FINGRUT



TSOU Jin Yeu

## STUDIO PROJECTS

2017-2018

### Stratified Ground

Adam FINGRUT

### Force Matter 2: Calibration

Kristof CROLLA

2016-2017

### Game Theory Centre

Filipe AFONSO

### Force Matter

Kristof CROLLA

2015-2016

### Flexcity

Filipe AFONSO

2014-2016

### Hyper Materialism

Kristof CROLLA

2014-2015

### Strategic Interventions and Flexible Urbanism

Filipe AFONSO

Top: ZCB Bamboo Pavilion (2015) in Kowloon Bay, by Kristof CROLLA and Adam FINGRUT;

Bottom: Cable-driven Parallel Robot by Kristof CROLLA and Adam FINGRUT at Industrial Automation Shenzhen 2017, in collaboration with Department of Mechanical and Automation Engineering and T Stone Robotics Institute, CUHK



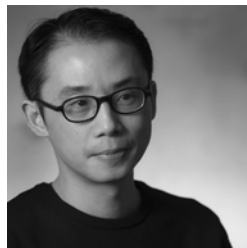
# History, Culture and Conservation Design (HCCD)



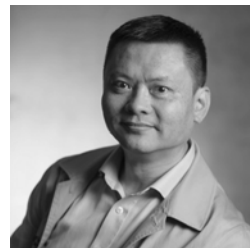
The History, Culture and Conservation Design (HCCD) Design Research Unit focuses on architectural history and culture, with specific interests and strengths in the local context of Hong Kong and China, as well as the Asia region. Its current research initiatives engage innovative mapping and photographic analyses at the scales of both architectural projects and urban/landscape settings.

Apart from the urban culture of Hong Kong, recent research projects and design studios of HCCD have worked on Chinese cities such as Beijing, Hankou, Chongqing and Dali, as well as Suzhou Gardens. Studio discussions are informed by several areas of research in history and theory, while urban context and fabric are studied at various scales in order to investigate local constraints as opportunities for formulating design strategies. The intention is to allow students to work on real sites and neighbourhoods, gaining insights of localities through documenting built fabrics and engaging communities, thereby understanding the reciprocity between cultural continuity and inevitable contestations that constitutes the urban process.

## FACULTY MEMBERS



Thomas CHUNG



Stanislaus FUNG



Seng KUAN

## STUDIO PROJECTS

2017-2018

### Shanzhai City: Urban Innovations and Entrepreneurships in Hyperdense Urbanism

Tat LAM

2016-2018

### Tourist Facilities in Suzhou

Stanislaus FUNG

2016-2017

### The Great Beauty: The Design of an Aesthetic Clinic and Fashion House HQ in the Former Slaughterhouse Complex in Rome

Stefano MILANI

### New OrganiCity: New Territories

Thomas CHUNG

2015-2016

### Eco-Hospitality: Architectural Prototyping for Contemporary Rural China Development

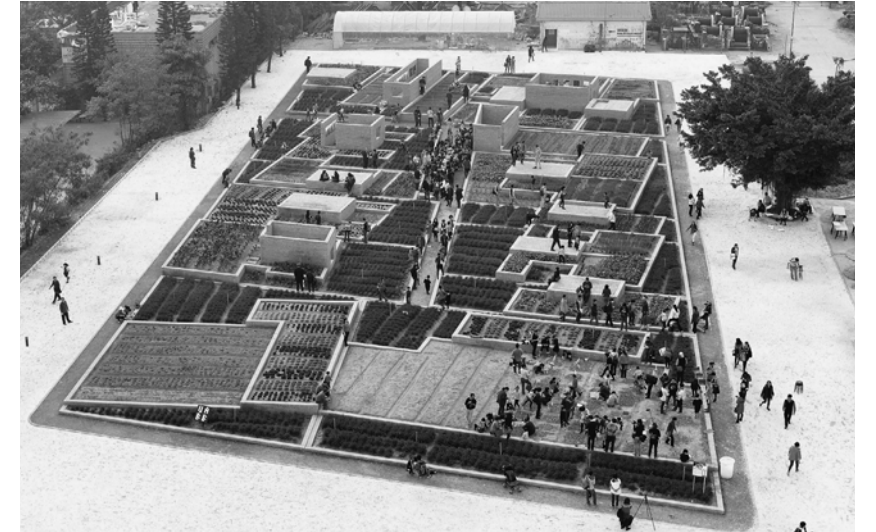
Tat LAM

2014-2016

### Tourist Facilities in Dali

Stanislaus FUNG

*Top: Value Farm (2013) in Shenzhen, by Thomas CHUNG; Bottom: On the Thresholds of Space-Making: Kazuo Shinohara exhibition (2016) at ETH Zurich, curated by Seng KUAN*





# Urban Design and Landscape Urbanism (UDLU)



Urban Design and Landscape Urbanism (UDLU) Design Research Unit organises research and teaching activities in the areas of urban design and landscape architecture, focusing on sustainable approaches to urban regeneration and new town design with particular consideration of environmental and socio-economic concerns. UDLU centres on Hong Kong, Macau and the Pearl River Delta, while partnering with the International Forum on Urbanism (IFoU) and Urban Lab+, and has co-organised events for UN Habitat's World Urban Campaign.

At CUHK, UDLU coordinates courses and learning activities between the professional degree programmes in Architecture and the BSSc in Urban Studies and MSc in Urban Design programmes, aiming to create dynamic synergies between the related academic fields.

In May 2017, UDLU organised UrbanactionsHK, an international symposium and workshop to promote critical debates about how to revitalise public space. It also hosted the 10th IFoU Conference "The Entrepreneurial City" in December 2017, and the Association of Commonwealth Universities (ACU) Summer School in July 2018.

## FACULTY MEMBERS



Nelson CHEN



Francesco ROSSINI



Hendrik TIEBEN

## STUDIO PROJECTS

2017-2018

### Hong Kong City as a Palimpsest: Collective Housing Project in To Kwa Wan

Francesco ROSSINI

2016-2018

### Defining Publicness in Infrastructural Architecture: Integrated Designs of Pumping Station (Qianhai) and Water Hub (Airport North), Shenzhen

Doreen LIU

2016-2017

### The Entrepreneurial City: Re-envisioning To Kwa Wan, Hong Kong

Hendrik TIEBEN

2015-2016

### Architecture as Public Space Infrastructure

Hendrik TIEBEN

2014-2015

### Tulou Project

Tat LAM

### Spatial Transformation in the Age of Obsolescence

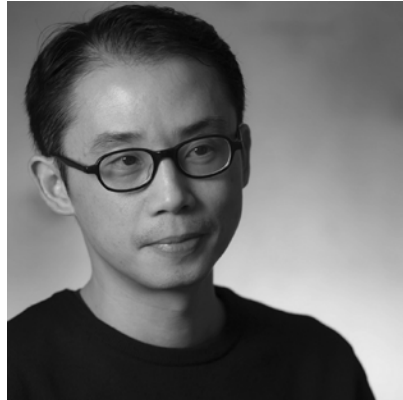
Doreen LIU

*Top: Topical Studies in Urbanism – Mapping the Informality of BaSECo Community in Manila (2018) by Francesco ROSSINI;  
Bottom: Magic Carpet – Re-envisioning Community Space in Sai Ying Pun (2013) by Hendrik TIEBEN*



# Thomas CHUNG Wang Leung

Associate Professor



MA (Cantab)  
DipArch (Cantab)  
MPhil (Cantab)  
RIBA, ARBUK, HKIA

Thomas Chung researches how architecture contributes to the modern city's urban order, with respect to the broader cultural ground in question. His research investigates the interchange between "form" (morphology and design) and "experience" (interpretation and production) via two strands: Architecture as cultural production, and Architecture as productive cultivation.

Thomas joined CUHK in August 2006, and has since completed two GRF projects, in which he developed an inter-disciplinary sequence from mapping to interpretive analysis to studying architectural settings and urban process, with respect to the themes of vernacular culture and filmic imagination.

Thomas' wide-ranging research activities also include comparative urban research collaborations in Hong Kong, Tokyo and Seoul, four Faculty Direct Grants, numerous conference papers, peer-reviewed articles, book publications (e.g., *Refabricating City: A Reflection*, OUP 2010), local and international exhibitions by HKIA, UABB (HK/SZ) and Venice Biennales. His current Faculty Direct Grant investigates the "Urban Voids" of North Point, which documents the district's transformation and engages different stakeholders to explore alternative "creative reuse" strategies in order to propose design-led spatial tactics in the midst of rapid urban change.

Following his international award-winning projects *Value Farm* (2013) and *Floating Fields* (2015), Thomas is researching how productive landscape design strategies can combine with social innovation to explore alternative ecological design in urban developments. *Floating Fields* is the winner of Production, Energy and Recycling – Completed Buildings category at the World Architecture Festival 2016.

Thomas is involved in the Farm HD Programme at RMIT University, a design-led collaborative research project that explores architectural and urban opportunities for high-density farming in Hong Kong. Research outcomes include symposia and exhibitions in Hong Kong and Melbourne, as well as a forthcoming publication examining the socio-economic connections between farming, food, urban amenity, living and working in the city.

## RECENT PUBLICATIONS

Chung, T. "Cultivating Ground in a Post-Urban Future." In *Evergreen – Living with Plants*, edited by S. Ehmann, R. Klanten and V. Pease, 178-83. Berlin: Die Gestalten Verlag GmbH & Co. KG, 2016.

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Chung, T. "Floating Fields." *ACER Revista* 32, no. 6 (2016): 35-40. Milan: Il Verde Editoriale.

Chung, T., and T. Ip. "Hong Kong: Country Report on Green Architecture." *FuturArc – Green Architecture Asia* 45, no. 11-12 (2015): 46-49. Hong Kong: BCI Asia.

Chung, T. "Value Factory: The Value Farm." *Volume: Independent Quarterly for Architecture (Journal by Archis + AMO + C-Lab)* 39 (2014): 144-47. Amsterdam: Stichting Archis.

Chung, T. "Value Farm." *FuturArc – Green Architecture Asia (Liveable Cities Special Issue)* 38 (2014): 72-75. Hong Kong: BCI Asia.

Chung, T. "Value Farm – Transplanting 'Post-urban' Cultivation." *Urban Environment Design* 83, no. 6 (2014): 224-27. Tianjin: School of Architecture, Tianjin University.

Chung, T. "Value Farm." *HKIA Journal* 68, no. 1 (2014): 94-95. Hong Kong: Hong Kong Institute of Architects.

Chung, T. "Evolving Schools." In *Learning from Tri-ciprocal Cities*, edited by A. Lee and G.K. King, 62-65. New York: ORO Editions, 2014.

Chung, T. "Infrastructure and Urban Process in Hong Kong." *Urban Environment Design* 84 (2013): 239-41. Tianjin: School of Architecture, Tianjin University.

Chung, T. "The Measure of Hong Kong's Urban Intensity: Case Study on Graham Street Market." In *Intensities in Ten Cities: Mn'M Workbook 1*, edited by D. Radovic, 30-35. Tokyo: International Keio Institute, 2013.

# Kristof CROLLA

Assistant Professor



MArch (AA)  
Ir-Arch (UGent)  
RIBA, ARBUK

Kristof Crolla researches the impact of computation on the design and production of architecture, focusing on early conceptual stages in architectural design, while also specialising in the merger of advanced technology and traditional craftsmanship in low-tech construction environments. He worked for several years as Lead Architect for Zaha Hadid Architects on non-standard architecture projects involving high-end design and construction processes, and is currently completing his PhD studies at RMIT University's School of Architecture and Urban Design.

At CUHK, Kristof has conducted his research through numerous grants, exhibitions and design projects. Among his most notable works is his GRF Early Career Grant project on bending-active bamboo shell structures, in which digital physics simulation tools are integrated with traditional Cantonese bamboo scaffolding techniques. Combined with a private research contract, this project led to the construction of "ZCB Bamboo Pavilion" in Kowloon Bay, Hong Kong, which has received 16 international design and research awards, most notably the "Small Project of the Year" Award at the World Architecture Festival 2016. The project resulted in five conference and journal papers, four exhibitions, and was featured on various architecture websites such as ArchDaily and Dezeen, where the project video has been viewed more than 3.3 million times. It also led to an invited bamboo installation at the Hong Kong/Shenzhen 2015 Urbanism Architecture Bi-City Biennale.

His current PhD thesis, titled "Building Simplicity – The 'More or Less' of Post-Digital Architecture Practice", forms a theoretical reflection on his own creative work that deals with the construction of non-standard architecture in challenging construction contexts with limited means. This academic research received the 2016 RMIT Vice-Chancellor's Prize for Research Impact – Higher Degree by Research.

Recently, Kristof pushes his research agenda through collaborations with the Department of Mechanical and Automation Engineering at CUHK, which ongoing projects focus on the opportunities computer controlled and robotic fabrication brings to architecture. Prefatory work about low-tech DIY robotics was also exhibited at the Hong Kong/Shenzhen 2017 Urbanism Architecture Bi-City Biennale.

## RECENT PUBLICATIONS

Crolla, K. "Bending Bamboo Rules: Beyond Century-Old Typologies." *Journal of Architectural Education* 72, no. 1 (2018): 135-45. a/to project.

Crolla, K. "Beyond Architecture: How Computation Empowers the 21st Century Master Builder." In *Architectural and Planning Cultures Across Regions – Digital Humanities Collaboration Towards Knowledge Integration* CIRAS Discussion Paper no. 81, edited by A.Y. Flores Urushima, 47-53. Kyoto: Center for Southeast Asian Studies, Kyoto University, 2018.

Crolla, K., P.H.H. Cheng, D.Y.S. Chan, A.N.F. Chan, and D. Lau. "Inflatable Architecture Production with Cable-Driven Robots." In *Learning, Adapting and Prototyping – Proceedings of the 23rd CAADRIA Conference Vol 1*, edited by T. Fukuda, W. Huang, P. Janssen, K. Crolla, and S. Alhadidi, 9-180. Beijing: Tsinghua University, 2018.

Crolla, K. "Building Indeterminacy Modelling – The 'ZCB Bamboo Pavilion' As a Case Study on Nonstandard Construction from Natural Materials." *Visualization in Engineering* 5, no. 15 (December 2017), <https://link.springer.com/article/10.1186/s40327-017-0051-4>.

Prohasky, D., N. Williams, K. Crolla, and J. Burry. "SmartNodes: 'Light-weight' Parametric Structural Design Process with BESO." In *Proceedings of the Annual International Association for Shell and Spatial Structures (IASS) Symposium 2015*, edited by I. Mungan, and J. F. Abel, 1-12. Amsterdam: IASS, 2015.

Crolla, K., and N. Williams. "Smart Nodes, a System for Variable Structural Frames with 3D Metal-Printed Nodes." In *ACADIA 2014 Design Agency: Proceedings of the 34th Annual Conference of the Association for Computer Aided Design in Architecture*, edited by D. Gerber, A. Huang, and J. Sanchez, 311-16. Los Angeles: ACADIA/Riverside Architectural Press, 2015.

Crolla, K. "Building Simplicity – Golden Moon, 2012 Mid-Autumn Festival Lantern Wonderland." In *Fabricate – Negotiating Design and Making*, edited by F. Gramazio, M. Kohler, and S. Langenberg, 60-67. Zurich: gta Verlag, 2014.

Crolla, K. "Golden Moon: Digital Design Meets Traditional Craftsmanship 萬燈喜月: 數字化設計遇上傳統技藝." *Architectural Journal 《建築學報》* 555 (Dec 2014): 101-04. Beijing: China Association for Science and Technology.

Crolla, K. "Golden Moon: Digital Control Meets Craftsmanship." *GAM.10 – Intuition & the Machine* (2014): 70-77. Graz University of Technology.

# Peter Winston FERRETTO

Associate Professor



DipArch (Cantab)  
BA (Hons) (Lpool)  
ARBUK

Peter W. Ferretto studies the notion of “Condition” in his architectural research, vis-a-vis the dichotomy between context and praxis. Context, the background condition we witness but seldom acknowledge, has been Peter’s research topic in relation to several Asian metropolises such as Seoul and Hong Kong, whereas praxis, the making of architecture, is explored via the design of prototypes and building proposals that challenge the status quo. Within this matrix, Peter has developed both a research methodology and a critical position towards the architectural profession over the past 10 years, through publications, exhibitions, award-winning designs and films that have reached an international audience.

Peter worked as a registered architect (ARB) for several international architectural practices, including Herzog & de Meuron in Basel where he oversaw the design and completion of the CaixaForum Madrid Project, before establishing his own firm PWFERRETTO in 2009. He started his academic career in 2007 as a Unit Master at the Architectural Association in London, where he also directed the Seoul Visiting School. In 2009, he was appointed Assistant Professor of Architecture at Seoul National University in Korea, until he joined CUHK as Associate Professor since 2014, where he is also the Director of the Master of Architecture Programme.

Peter is currently conducting two research projects addressing “Condition”: “Urban Pauses: Reclaiming Hong Kong’s Residual Urban Spaces”, a 2016 GRF project exploring how marginalised and lost urban spaces of Hong Kong can be regenerated; and “Adapting Villages: An Architectural Framework for Regenerating Dong Minority Settlements”, a 2017 GRF project investigating alternative micro-strategies to reactivate minority villages in China.

Peter has always kept a close relationship with the profession, and architectural design is at the core of his academic research. He has won numerous international design awards in his career, most notably the 1st Prize for the Busan Opera House Competition (2012), as well as 3rd Prizes for the Hong Kong MTR Public Art (2014), Seun City Walk (2015) and UIA Suncheon Art Platform (2016) competitions.

## RECENT PUBLICATIONS

Ferretto, P.W. “Background City: Inhabited Urban Conditions of Hong Kong.” In *Proceedings of UIA 2017 Seoul World Architects Congress*. Seoul: UIA, 2017. <http://www.uia2017seoul.org/P/papers/Abstract/Paper/Oral/PS2-52/O-0133.pdf>.

Ferretto, P.W. “Adapting Villages: An Architectural Framework For Regenerating Dong Minority Settlements.” In *Proceedings of The 4th International ARCHITECTURE Conference with AWARDS – S.ARCH 2017*, 515-26. Hong Kong: The University of Hong Kong, 2017.

Cai, L., P.W. Ferretto, and Y. Deng. “A Study of the Timber Structure of Drum Towers of Chinese Dong Minority Architecture.” In *Proceedings of the 20th IIVC International Conference and Symposium – Preservation of Historic Timber Structures*, 51-61. Falun, Sweden: ICOMOS, 2016.

Ferretto, P.W. “A Taxonomy of the Real: Seoul.” *Architecture & Culture Journal* 4 (2016): 411-24, <https://doi.org/10.1080/20507828.2016.1251216>.

Ferretto, P.W. “Residual Landscapes: Reclaiming Hong Kong’s Lost Urban Spaces.” In *Proceedings of Adaptive Reuse, Docomomo 14th International Conference*, edited by A. Tostoes and Z. Ferreira, 38-43. Lisbon: Casa da Arquitectura, 2016.

Ferretto, P.W. “Here and Now Seoul – Ten Memos for Our Present Millennium.” In *The Far Game: Constraints Sparking Creativity: The Korean Pavilion at the 15th Venice Architectural Biennale*, 130-39. Seoul: Space Books, 2016.

Ferretto, P.W. “Cast Space: Subverting the Spatial Paradigm.” In *A Body Living and Not Measurable: How Bodies are Constructed, Scripted and Performed through Time and Space*, edited by Kathleen G. Roberts, Ya-hui Irenna Chang, and Lukasz Matuszyk, 131-30. Oxford: Inter-Disciplinary Press, 2016.

Ferretto, P.W. *Place/Seoul*. Seoul: Propaganda, 2015.

Ferretto, P.W. “Converging Fragments: Seoul.” *Docomomo Journal* 50, no. 1 (2014): 11-15.

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Ferretto, P.W. *Cast Space*. Seoul: Spacetime, 2014.

# Adam FINGRUT

Assistant Professor



MArch (UCLA)  
BArch (Carleton)

Adam Fingrut is a researcher in architecture with a focus on computational design methods and the integration of robotic systems. He joined CUHK in 2016 as Assistant Professor and is currently teaching graduate-level design studios and courses specifically pertaining to computational design and architectural technology.

Adam began his academic research as Co-investigator of the ZCB Bamboo Pavilion, a large spanning active grid shell structure made entirely from bamboo poles. Two conference papers on the integration of local craftsmanship and digitally driven design and architecture have been produced out of this project, discussing the disparities between computational design in a 3D digital environment and the realities of on-site construction using locally sourced materials and labourers. The ZCB Bamboo Pavilion has received a number of design awards, including a World Architecture Festival Award in 2016.

Adam is currently the Principal Investigator of a research project involving digitally designed, CNC fabricated foam formwork for the purposes of casting concrete, working closely with construction industry leaders towards the study of design, fabrication and installation of refined concrete surfaces. The research seeks to determine thresholds of feasible design and construction constraints in Hong Kong, developing design and construction models using advanced digital tools, while optimising computational design and development for CNC fabricated formwork and concrete structures. It develops, documents and tests workflows for the materials, digital design, prototyping, fabrication and installation of CNC milled foam formwork for bare-faced concrete structures.

In 2017, Adam co-launched a research collaboration between the School of Architecture, Department of Mechanical and Automation Engineering, and T Stone Robotics Institute. The interdisciplinary team is advancing research in their respective fields for the development of robotically installed brick structures in full-scale architectural projects. Prototype CNC brick-laying robots have been developed and exhibited at events such as "Industrial Automation Shenzhen" and "World Robot Conference 2017" in Beijing, while recent prototyping iterations have expanded the research to more closely align with real-world construction materials and on-site conditions.

## RECENT PUBLICATIONS

Fingrut, A., and K. Crolla. "Building Indeterminacy Modelling: Computational Design and Low-tech Construction of a Hong Kong Bamboo Gridshell." In *Proceedings of the 16th International Conference on Computing in Civil and Building Engineering (ICCCBE)*, edited by N. Yabuki and K. Makanae, 389-96. Osaka: ICCCB2016 Organizing Committee, 2016.

Fingrut, A., and K. Crolla. "Protocol of Error: The Design and Construction of a Bending-active Gridshell from Natural Bamboo." In *Proceedings of the 21st International Conference of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA)*, edited by M.A. Schnabel, W. Nakapan, S. Roudavski, S.F. Chien, M.J. Kim, and S. Choo, 415-24. Melbourne: CAADRIA, 2016.

# Stanislaus FUNG

Associate Professor



PhD (Syd)  
BSc (Arch) (Hons) (UNSW)

Stan Fung is a researcher who has published widely on Australian architecture, contemporary Chinese architecture and Chinese garden history. He is best known for his close readings of *Yuan ye*, the 17th-century Chinese treatise on gardens, and for his new analyses of extant gardens in Suzhou that re-aligned the experience of gardens with the sensibilities of Chinese painting, in which spatial depth and scale are often indicated in irregular ways. Apart from research papers addressed to specialists, Stan Fung has also brought his work to the attention of design practitioners with contributions to two of the most important edited volumes in contemporary landscape architecture: *Recovering Landscape* (edited by James Corner) and *Thinking the Contemporary Landscape* (edited by Christophe Girot and Dora Imhof).

Recent public presentations of his work include keynote addresses at conferences in China and Singapore, a public lecture at the University of Pennsylvania and an invited seminar jointly hosted by the École des Hautes Études en Sciences Sociales and the Musée du Quai Branly in Paris.

Stan's research work has been supported by grants from the Chiang Ching-kuo Foundation for International Scholarly Exchange in Taipei, the Graham Foundation for Advanced Studies in Architecture in Chicago and the Ian Potter Foundation in Melbourne. He currently holds a GRF grant from the University Grants Committee in Hong Kong.

Stan's studies of contemporary architecture in Australia and China typically combine his theoretical perspective and close attention to the explication of ideas and construction. Particularly notable is a series of published interviews with some of the finest Chinese architects of the last 30 years – Liu Jiankun, Zhang Ke, and Zhang Lei – which is among the most detailed and probing text of its kind currently available. A recent essay co-authored by Stan and Shanghai architect Shui Yanfei, published in *Jianzhu xuebao*, the official journal of the Architectural Society of China, attracted more than 27,000 views on WeChat.

Stan has had long editorial associations with a number of journals. He was Founding Editor (with Desley Luscombe) of *Fabrications: The Journal of the Society of Architectural Historians, Australia and New Zealand* (1988-1992), and has been a member of the editorial boards of *Landscape*, a book series of the Institute of Landscape Architecture (ILA), ETH Zurich (since 2011), *Shidai jianzhu* (since 2001) and *Chengshi jianzhu* (since 2004).

## RECENT PUBLICATIONS

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# GU Daqing

Professor



DSc (ETH Zurich)  
MArch (SEU)  
BArch (SEU)

Gu Daqing joined CUHK in 1993 and is a scholar of architectural education who has developed both historical perspectives as well as innovative educational practices. The premise of his work is that the studio setting is an arena for the production of innovative practice in architectural education. It is therefore challenging the fundamental belief that conventional settings of architectural research, viz., laboratories or academic institutes, are the loci of innovation, and studios are the passive domains harvesting the fruits of such innovation. In this regard, the pedagogical understandings developed by Daqing are immediately embodied in his educational practices and then recorded in his publications as reflections.

In Daqing's architectural pedagogy, physical model-making can be a key tool in fundamental design education, which is sharply distinguished from the existing approaches that emphasise drawings and digital representation. This position has been published in several of his books, including *Sheji yu shizhijue* (Design and Visual Perception, 2004), *Jianzhu sheji rumen* (Introduction to Architectural Design, 2012), and *Kongjian jiangou yu sheji* (Space, Tectonics and Design, 2014).

Daqing has received a number of GRF grants over the years. While one of his research projects investigated a crucial turning point in the history of Chinese architectural education, another one was a historical study of the diversity of exercises, projects and programmes in architectural education. Two further GRF grants were devoted to modern architecture in Hong Kong.

The impact of Daqing's work can be found in many architectural schools in contemporary China. In a series of workshops sponsored by the National Supervision Board of Architectural Education (China) since 2011, about 350 educators from nearly 60 schools of architecture have studied under Daqing and many of them have developed related teaching strategies in their schools subsequently.

## RECENT PUBLICATIONS

Gu, D. 《我們今天有機會成為楊廷寶嗎？——一個關於當代中國建築教育的質疑》 [Do We Have a Chance to Become T.P. Yang? — A Question on Today's Chinese Architectural Education]. 《時代建築》 *Time+Architecture* 155 (2017/3): 10-16. Shanghai: Tongji University.

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Gu, D. 《范文照建築師與香港崇基學院的校園設計》 [Architect Robert Fan and the Design of Chung Chi College Campus, Hong Kong]. 《時代建築》 *Time+Architecture* 144, no. 4 (2015): 124-35. Shanghai: Tongji University.

Gu, D. 《美院、工學院和大學——從建築學的淵源談建築教育的特色》 [Beaux-Arts, Polytechnique and University: On the Characteristics of Architectural Education]. 《城市建築》 *Urbanism and Architecture* (June 2015): 15-19. Harbin: Heilongjiang Science and Technology Press.

Gu, D., V. Bertin, and P.L. Woo. 《大象無形——香港現代建築個案研究之中環街市》 [The Greatest Form Has No Shape: The Case Study of Hong Kong Modern Architecture, Central Market]. 《時代建築》 *Time+Architecture* 143, no. 3 (2015): 128-37. Shanghai: Tongji University.

Gu, D. 《集體記憶的保留，設計傳統的延續——20世紀40年代~70年代香港現代建築設計成就的研究》 [The Retention of Collective Memories, the Continuity of a Design Tradition]. 《時代建築》 *Time+Architecture* 142, no. 2 (2015): 18-23. Shanghai: Tongji University.

# Patrick HWANG Cheng Chun

Professional Consultant



MSAAD (Columbia)  
BArch (RISD)  
BFA (RISD)

Patrick Hwang is a design researcher and professional focusing on creative architectural education. Since 2010, he has been developing an empirical operational theory involving transformative processes through real-world architectural research projects. Within the Master of Architecture design studio setting at CUHK, these projects, seven thus far, have engaged with the issues of collective memory, heritage adaptation and urban revitalisation in the cities of Hsinchu, Mumbai and Hong Kong. The creative design process has resulted in the forms of publication, exhibition, forum, press coverage and impact on policy priorities.

The principal basis for his operational theory involves transforming the everyday into the spectacular through a methodology that couples abstract modelling and drawing with field investigation situated in unfamiliar localities, yielding a number of international collaborations such as recently with National Chiao Tung University of Taiwan, National University of Singapore and Delft University of Technology. Patrick's interest in design methods, history and theory has also led him to an ongoing five-year research project on the works of French visionary architect and educator Étienne-Louis Boullée, part of which is supported by the Direct Grant of the Faculty of Social Science.

Patrick's contribution to the curriculum development of the School of Architecture focuses on the design studios at both advanced and foundation levels. Since 2013, Patrick has been serving as MArch Thesis Coordinator to transform the bifurcated year-long study into an integrated research-design project. In 2016, he piloted the School's first annual summer programme for secondary school students to spur their interest in architecture.

Patrick has over a decade of professional experience in the design of various architectural proposals and built works. He has worked with Rafael Viñoly in New York, as well as Michael Maltzan and Frank Gehry in Los Angeles. At Gehry Partners, he was Associate and a lead architect for the Art Gallery of the Ontario Transformation project. Prior to joining CUHK in 2010, Patrick was Assistant Professor at the University of Arizona. In 2017, he was invited to join as Visiting Faculty at the Department of Architecture of Delft University of Technology. As a design professional, Patrick also serves as a technical committee member at the Hong Kong Institute of Architects and Hong Kong Buildings Department.

## RECENT PUBLICATIONS

Hwang, P. "Reevaluating the Rationality of Etienne-Louis Boullée Through Digitizing and Analyzing the Geometry of Cenotaph of Turenne." In *Proceedings of the Conference on Digital Cultural Heritage: FUTURE VISIONS*, edited by K. Greenop and C. Landorf, 75-87. Brisbane: Centre for Architecture Theory Criticism History, School of Architecture, The University of Queensland, 2017.

Hwang, P. "Transmutation of the Prison Industrial Complex." In *A Design Book of Hsinchu Juvenile Prison & Guards Dormitory Regeneration*, edited by P. Hwang and L.Y. Hsu, 98-103. Hsinchu, Taiwan: National Chiao Tung University Press, 2016.

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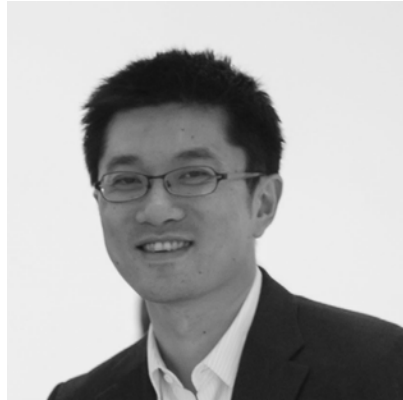
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# Seng KUAN

Assistant Professor



PhD (Harvard)  
MUP (Harvard)  
AM (Harvard)  
AB (Hons) (Harvard)

Seng Kuan is an architectural historian specialising in modern Japan. He has written extensively on Japan's postwar architectural culture, including the "land, water, and sky" trilogy on the Metabolists. He is currently completing books on Kenzo Tange, Kazuo Shinohara and Fumihiko Maki, three of Japan's most important modern architects whose influences continue to be felt around the world.

Seng's research projects have been recognised with grants from the Graham Foundation, Japan Foundation, and Association of Asian Studies. A new trajectory in his research concerns the culture of collaboration between structural designers and architects that is unique to Japan, manifesting most recently in the relationship between Sasaki Mutsuro, Toyo Ito and SANAA.

Exhibitions play a major role in Seng's research methodology. His curatorial works include "Utopia Across Scales: Highlights from the Kenzo Tange Archive" (Harvard Graduate School of Design 2009); "Metabolism: City of the Future" (Mori Art Museum 2011); and "On the Thresholds of Space-Making: Kazuo Shinohara" (Kemper Art Museum 2014; ETH Zürich 2016).

Prior to his work on Japanese architecture, Seng published books and essays on modern architecture and urbanism in China. In 2017, he co-organised "Rethinking Pei: A Centenary Symposium" in collaboration with M+ of West Kowloon Cultural District, Harvard Graduate School of Design and the University of Hong Kong.

Seng has also served in various editorial positions at Tokyo-based journal *a+u*. Most recently, he edited a monographic issue of the magazine, centring on the work of Belgian practice Architecten de Vylder Vinck Taillieu.

## RECENT PUBLICATIONS

Kuan, S., and A. Pang, eds. *architecten de vylder vinck taillieu, a+u* (2017: 06).

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Kuan, S. "Land as an Architectural Idea in Modern Japan." In *Architecturalized Asia: Mapping the Continent Through History*, edited by V. Rujivacharakul, H. Hahn, K.T. Oshima, and P. Christensen, 189-204. Hong Kong: University of Hong Kong Press; Honolulu: University of Hawaii Press, 2013.

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# Edward NG Yan Yung

Yao Ling Sun Professor of Architecture



PhD (Cantab)  
MBA (Dist) (Warw)  
BArch (Dist) (Manc)  
BA (1st Hons) (Nott)

Edward Ng's research areas are in daylighting, urban climatology and the sustainable environment. He is Associate Director of Institute of Future Cities and team leader on urban sustainability at Institute of Energy Environment and Sustainability – both provide the main administrative and infrastructural bases for his research activities. Supported by various competitive funding sources, agencies and organisations, Edward's team of 20+ members currently operates on a research budget of around HK\$25m.

Edward is Principal Investigator of four ongoing GRF grants. They are: (A) Developing urban planning optimization strategies for improving air quality in compact cities using geo-spatial modelling based on in-situ data; (B) Understanding urban transient human comfort for more pedestrian-friendly design of urban spaces in the summer months of high density tropical cities; (C) A pilot study to establish the future Design Summer Years of Hong Kong that take into account climate change and urban climate for more sustainable urban and building design; (D) Parametric studies of urban morphologies of high density cities and their air ventilation performance under neutral and unstable atmospheric conditions using advanced large-eddy simulations.

Edward collaborates with scholars from many universities including UC Berkeley, University of Cambridge, TU Munich, Tsinghua University and Peking University. He works with many international establishments including the Commission internationale de l'éclairage, the World Meteorological Organization, the United Nations Environment Programme, Lawrence Berkeley National Laboratory, and Météo France. Edward is an Advisor to the US Department of Energy Cool Roof Programme and an Expert to the Singapore Prime Minister Office's Research Programme. Edward serves as an Associate Editor and/or Editorial Board Member of a number of SCI journals. He is a Director of the International Association of Urban Climate and President of the International Association of Passive and Low Energy Architecture.

Edward's research has received awards and honours from, among others, UNESCO, RIBA, PLEA, IAUC, HKGBC, CIC, HKIA and HKIP. Results of Edward's research have had an impact on policies and practices. His unobstructed vision method has become APP130 and his morphology-porosity method has become APP152 of the HKSARG Buildings Department; his Air Ventilation Assessment method has become the HKSARG Development Bureau's TC06-01; his passive design method has become the Hong Kong BEAM Society's HKBEAM+ Passive Route of NBI.2; and his urban climatic mapping techniques have been referenced for the HKSARG Planning Department's Kai Tak Outline Zoning Plans, the Urban Renewal Authority's Kwun Tong redevelopment project, the HKSARG's HK2030+ Strategic Plan, among others. Currently, he is assisting the HKSARG Chief Secretary Office Task Force on Climate Change, Infrastructure and Urban Living, while working with Google on its Project X – Google Urban Life. Edward has recently been nominated to represent Hong Kong and China to draft the UN Intergovernmental Panel on Climate Change AR6 report.

## RECENT PUBLICATIONS

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## REN Chao

Associate Professor



PhD (CUHK)  
BEng (Arch) (XJTU)  
BEAM Pro, AAG, IAUC

Ren Chao's research interests focus on urban climatic application, sustainable architectural design and spatial planning. In particular, she specialises in examining the relationship between urban climate and morphological characteristics, developing an urban climatic mapping system that analyses urbanisation-induced impacts on human thermal comfort and public health in high-density cities. Since joining CUHK in 2012, Chao has published more than 60 items, including 13 referred journal papers and three edited books, and has received 16 research grants and governmental contracts, with a total of nearly HK\$17 million of research funding.

Chao's multi-dimensional, cross-disciplinary research aims to transfer scientific data into new knowledge to address social needs, enhance policy-making and support evidence-based designs. Her studies on sustainable urban environments have led to a number of practical research and government consultancy projects in Hong Kong, Macau, Mainland China, Taiwan, France and the Netherlands.

Chao's publications on Urban Climatic Map have formed the theoretical basis for her exploration of knowledge transfer from the scientific work of urban climatology to the implementations of urban planning. Her writings have been cited across the fields of urban climatology, urban planning and architecture, with some of them being taught in postgraduate courses at institutions such as the University of Hong Kong, University of Reading, Wageningen University and Technische Universität Münch.

Since 2015, Chao has extended her research efforts to the global initiative of World Urban Database and Access Port Tools (WUDAPT) through international collaborations, aiming not only to develop a database for urban morphology and address the environmental challenges and sustainable needs of developing regions, but also to form a collaborative research platform for academic-industry-government partnerships. Her research team has completed the WUDAPT database for 60 cities and three regions of China, and has explored its applications through climatic modelling simulations, which outputs have captured the Best Applied UHI Research Award in the 4th International Conference on Countermeasure to Urban Heat Islands. Chao has also been invited to form research collaborations with the Chinese Academy of Sciences and the intergovernmental Group on Earth Observations of the European Commission. Furthermore, her research findings will be applied to the "Digital Belt and Road Initiative – Urban Development" and "Atlas of the Human Planet" projects to refine the scientific understanding of urban built environments and land cover characteristics for sustainable urban development.

## RECENT PUBLICATIONS

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# Francesco ROSSINI

Assistant Professor



PhD (BarcelonaTech UPC)  
MPhil (BarcelonaTech UPC)  
MArch (U Naples Federico II)

Francesco Rossini is a researcher in urban regeneration. His comparative studies focus on Hong Kong and Barcelona, and, more broadly, contemporary Asian cities and informal settlements. He finished his PhD thesis in 2014 on the role of public space in private developments in Hong Kong. The work received a Direct Grant from the Faculty of Social Science in 2015, which allowed him to further investigate place-making in urban settings in Hong Kong. Francesco was recently awarded with a GRF grant, through which he will work on a Public Space District Plan for Central and Sheung Wan in the next three years.

Francesco's current Direct Grant project researches critical density and the role of public space in Manila, in particular the informal district of Baseco, which is undergoing rapid urbanisation. This research project involves a pilot study to develop alternative urban regeneration strategies that are socially, economically and environmentally sustainable, offering a model for other informal settlements in the city.

Under CUHK's Outbound Mobility Scheme, Francesco visited the Graduate School of Architecture, Planning and Preservation at Columbia University in 2016. The visit generated a research-based joint design studio between CUHK's MArch programme and Columbia's M.S. Urban Planning programme. Titled "City as a Palimpsest", the collaborative studio reflected on the parameter of density while exploring the possibilities of adding a new layer of collective housing in To Kwa Wan, Hong Kong.

In 2017, Francesco founded UrbanactionsHK, a non-profit initiative to stimulate critical debate and innovative ideas for revitalising public spaces, promoting a comparative discussion of urban practices and urban regeneration strategies. The first step of this initiative was the organisation of the UrbanactionsHK International Symposium and Workshop at CUHK in May 2017.

Together with Miquel Marti and Hendrik Tieben, Francesco recently co-edited the book *Learning from Barcelona*, which reflects on the different urban approaches between Europe and Asia. The publication is the result of a two-year collaboration with the Universitat Politècnica de Catalunya (UPC), Barcelona, featuring academic essays by professors of CUHK and UPC, as well as research outcomes of student work.

## RECENT PUBLICATIONS

Rossini, F. *What's the Potential of Im<sup>3</sup>: A Temporary Placemaking Project in Hong Kong*. Hong Kong: The Chinese University of Hong Kong, 2018. ISBN: 978-962-8272-32-7.

Rossini, F. "Temporary Urban Intervention in the Vertical City: A Place-making Project to Re-activate the Public Spaces in Hong Kong." *Journal of Urban Design* (2018): 1-19. <https://doi.org/10.1080/13574809.2018.1507674>.

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Rossini, F. "The Urban Regeneration of Star Street in Hong Kong." In *Future Housing: Global Cities and Regional Problems*, edited by K. Day, 27-38. Melbourne: AMPS, 2016.

Rossini, F., and M. Martí. "Compact City and Hyper Dense Metropolis: A Comparative Study of Hong Kong and Barcelona." *Proceedings of ISUF 2016 XXIII International Conference: Urban Morphology and the Resilient City* (2016): 881-91. Nanjing: Urban Morphology.

# Hendrik TIEBEN

Associate Professor



DSc (ETH Zurich)  
Post Dipl. (ETH Zurich)  
Dipl. Arch (TUBS)

Hendrik Tieben is an architect and researcher who focuses on urban regeneration, new town design, placemaking and community empowerment. He is currently Director of the MSc in Urban Design programme and Assistant Director of the BSc in Urban Studies programme.

Since joining CUHK in 2006, Hendrik has completed three GRF projects on public space and community life in Hong Kong's Western District and urban design guidelines of Pearl River Delta cities. In 2013, he combined academic research with community building to develop an urban design and placemaking project, "Magic Carpet – Re-envisioning Community Space in Hong Kong", in collaboration with Prof Anthony Fung, then Director of the School of Journalism and Communication.

"Magic Carpet" was launched in Sai Ying Pun (2013) and then expanded to Tin Shui Wai (2014) and To Kwa Wan (2016), where the project team worked with secondary schools and NGOs to produce more than 70 video interviews with local residents. These videos express views on urban transformation of the neighbourhoods and were screened at contextually designed yet underused public spaces. "Magic Carpet" has been presented at international exhibitions in Bordeaux, Hong Kong, Rome, Shanghai and Venice. Following the success of the community research project, Hendrik is currently working with local NGOs – Caritas Hong Kong and the Conservancy Association Centre for Heritage – on the "Magic Lanes" public space pilot project in Sai Ying Pun, supported by the Urban Renewal Fund from the Hong Kong SAR Government.

In recent years, Hendrik has expanded his research scope through international collaborations. He has been a partner of the "Density and Intensity – Measuring the Non-measurable" project at Keio University, Erasmus Mundus project "Urban Lab+", and ANCB The Aedes Metropolitan Laboratory project "Mobilising the Periphery" in Berlin. He also co-organised the Urban Thinkers Campuses for UN-Habitat's World Urban Campaign and a network event at Habitat III, the UN Conference on Housing and Sustainable Urban Development in Quito.

In addition, Hendrik serves as Executive Board Member of the International Forum on Urbanism, Editorial Board Member of the ICE Urban Design and Planning Journal, as well as Scientific Board Member of the Journal of Public Space, supported by UN-Habitat. He is also a Founding Member and Academic Advisor of the Hong Kong Institute of Urban Design.

## RECENT PUBLICATIONS

Chen, Y.M., and H. Tieben. "Film-Narrative, Civic Engagement and Community Public Spaces Re-envisioning – The Magic Carpet Project in Hong Kong." *Architectural Journal* (China) 595, no. 4 (2018): 21-27.

Tieben, H. "Capturing Transformations of Hong Kong." In *Hong Kong Perspectives, Prospectives, Typologies*, edited by P. Greco, 2-8. Gollion: Infolio Editions; Hong Kong: MCCM Creations, 2018.

Tieben, H., and M.J. Kang, eds. *Magic Carpet – Towards Community Benefit Plans for Urban Regeneration in Taipei and Hong Kong*. Taipei: Tonshan, 2017.

Tieben, H., Y. Geng, and F. Rossini, eds. *The Entrepreneurial City*, Proceedings of the 10th International Forum on Urbanism Conference (IFoU) "The Entrepreneurial City", 14-16 Dec 2017, the Chinese University of Hong Kong (CUHK). Hong Kong: School of Architecture, CUHK, and IFoU, 2017.

Tieben, H. "Public Space Trends in Hong Kong – A View from the New Territories." *The Journal of Public Space* (October 2016): 25-34.

Tieben, H. "Magic Carpet – Re-envisioning Community Space, Viewpoint." *The Journal of Public Space* (October 2016): 151-54.

Ahl, B., and H. Tieben. "Modern Chinese Court Buildings, Regime Legitimacy and the Public." *International Journal for the Semiotics of Law* (2015). <http://link.springer.com/article/10.1007/s11196-015-9416-y>.

Tieben, H., E. Baniassad, S. Govada, and H. Grace. "Measuring Community Benefit in Public Space Transformation: A Case Study of Centre Street, Sai Ying Pun, Hong Kong." In *New Urban Configurations*, edited by R. Cavallo, S. Komossa, N. Marzot, M. Berghauer Pont, and J. Kuijper, 535-44. Amsterdam: IOS Press; Delft: Delft University Press, 2014.

Tieben, H., and S. Govada. "Negotiating and Designing Public Space – Experiences with a New M.Sc. in Urban Design Program in Hong Kong." *IN\_BO. Ricerche e progetti per il territorio, la città e l'architettura* 4, no. 1 (2013): 87-222.

Tieben, H. "Hong Kong's Urban Transformation 2005–2012: A Review and Outlook." *FutureArc* 29 (March-April 2013): 50-59.

# TSOU Jin Yeu

Professor



PhD (Michigan)  
MArch (Michigan)  
BSArch (Taiwan)

Tsou Jin Yeu joined CUHK in 1992, and is Director of the Center for Housing Innovations. His research focuses on urban housing in China, performance-based design technology, design approaches to ageing and gender topics, green building and sustainable urbanism, interdisciplinary and collaborative planning and design methods, as well as computer-aided architectural design.

Jin's major contributions to computational design and curriculum development, especially in architectural education in China, lie in the areas of building information management and performance-based simulation. As a founding member of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA), Jin has worked with Bill Mitchell and others to diversify the research agenda of the field. He was honoured with the CAADRIA Award in 2016 for his career-long contributions to education and academic research.

For his research on housing, Jin has worked closely with the Chinese Ministry of Construction and played a leading role in shifting the housing terminology from typology to issues of efficiency, effectiveness, affordability and sustainability, as well as contributing to the Chinese national standards for residential elevators issued by the Chinese Ministry of Housing and Urban-Rural Development. In addition, Jin has been convenor of a series of annual conferences on Chinese urban history, bringing together participants from the academia, government and relevant professions.

Jin's green building performance research has led to the establishment of an Air Ventilation Assessment System, which has informed the professional architectural practices in Hong Kong through two Joint Practice Notes and, in Mainland China, through two codes of the China Green Building Council in 2006 and 2014. The impact of his research can be seen in the San Shan New Town in Guangzhou, a 24 sq km development incorporating ideas of low carbon urban planning.

## RECENT PUBLICATIONS

Tsou, J.Y., X. Li, K. Tsou, J. He, and D. Pan. "Detect Relationship between Urban Housing Development and Urban Heat Island Dynamic in Hyper-density Hong Kong by Integrating GIS and RS Techniques." In *Workshop of the European Group for Intelligent Computing in Engineering*, 535-53. Cham: Springer, 2018. [https://link.springer.com/chapter/10.1007/978-3-319-91635-4\\_28](https://link.springer.com/chapter/10.1007/978-3-319-91635-4_28).

Tsou, J.Y., Y. Gao, Y. Zhang, G. Sun, J. Ren, and Y. Li. "Evaluating Urban Land Carrying Capacity Based on the Ecological Sensitivity Analysis: A Case Study in Hangzhou, China." *Remote Sensing* 9 (2017): 529.

Tsou, J.Y., J. Zhuang, Y. Li, and Y.Z. Zhang. "Urban Heat Island Assessment Using the Landsat 8 Data: A Case Study in Shenzhen and Hong Kong." *Urban Science* 1, no. 1 (2017): 10. <https://www.mdpi.com/2413-8851/1/1/10>.

Tsou, J.Y., and X. Li. "The Strategy and Opportunity of Building Development under High-density Mode: Innovation and Transformation of Social Housing in Hong Kong 高密度模式下的人居環境建設策略及新機遇——香港社會型住房的開發及轉變." *《時代建築》 Time+Architecture*, no. 6 (2016): 44-49.

Tsou, J.Y., X. Li, and C.H. Chan. "Effect of Urban Planning Practice to the Formation and Dynamic of Urban Heat Island: A Case Study of Hong Kong." In *Proceedings of the 16th International Conference on Computing in Civil and Building Engineering*, International Society of Computing in Civil and Building Engineering (ISCCBE) (2016.07.06): 324-30. Committee on Civil Engineering Informatics (CCEI) of Japan Society of Civil Engineers (JSCE), Osaka University.

Tsou, J.Y., B. Li, R. Xu, X. Li, T. Lin, X. Li, M.C. Chao, and Y.C. Liang, eds. 《綠色·低碳：新型城鎮化下的可持續人居環境建設。第十一屆中國城市住宅研討會論文集》 In *Proceedings of the 11th China Urban Housing Conference – Green. Low Carbon: The Sustainable Living Environment and Construction in Modern Urbanization*. Beijing: 中國建築工業出版社 (China Architecture and Building Press), 2015.

Tsou, J.Y., M.C. Chao, X. Li, and K. Chen. "Applying RS and GIS to Study the Impacts of Urban Regeneration on Thermal Environment in Built-up Areas: A Case Study of Kowloon, Hong Kong." In *Proceedings of the International Conference on Computing in Civil and Building Engineering 2014* (2014.06.24): 593-600. International Society for Computing in Civil and Building Engineering, Florida, USA.

# ZHU Jingxiang

Associate Professor



PhD (SEU)  
MArch (SEU)  
BArch (SEU)

Zhu Jingxiang is an architectural researcher focusing on the invention of building systems. Since 2008, he has been creating composite building systems using light-gauge steel frames and rigid wooden components, informed by rigorous research. These systems, more than 20 so far, bring together spatial, structural and constructional considerations to respond to exigencies of building in remote regions in East Africa, on the Tibetan plateau, and in the area affected by the Sichuan earthquake in 2008. Some building systems have also been realised in projects in Beijing, suburban Shanghai and at the Venice Biennale.

In nine provinces of China, with six of them in the remote west, more than 20 small-scale buildings using Jingxiang's systems have been realised, including schools, work stations in nature reserves, tourist centres, and temporary offices for emergency services and international conferences. These projects are well researched and specifically designed for a wide variety of site conditions: a plateau of 4000m above sea level, a ghetto with a major mafia presence, and wetlands where the water level may fluctuate by 4m. Collaborating organisations for these projects include the World Wide Fund for Nature, the Grameen Bank in Bangladesh and the Chinese Ministry of Forestry.

The work completed so far has resulted in the registration of three patents, with six patent applications pending to date. Thirteen building systems have been published in journals in China, Italy, Japan, Kenya, Korea and Switzerland. Some of them have also been exhibited in Australia, Switzerland, the US and at the 15th Venice Biennale of Architecture. In 2012, the *Wall Street Journal* recognised the significance of Jingxiang's work by giving him the China Innovator of the Year Award in Architecture. Jingxiang also received First Prize (Local Academia) in the 2015 Hong Kong Construction Industry Council Innovation Awards.

## RECENT PUBLICATIONS

Zhu, J., G. Han, Q. Liu, H.C. Lau, H. Dong, and Y. He. "From Prototype Design to Customized Production: How to Apply Total Design and Agile Development for Building Product Evolution? 從原型設計到規模定制:如何在建築產品開發中應用整體設計及敏捷開發?"《時代建築》*Time+Architecture*, no. 1 (2017): 24-29.

Zhu, J. "Projects: New Lawuga School 項目:新拉吾聖小學." *FuturArc (10th Anniversary Edition)* 48 (May-June 2016): 76-81. Asia Pacific.

Lau, H.C., and J. Zhu. "Z-Panel – Prefabricated Lightweight Architectural System in Plateaus." *iCON, Special Issue: Construction Industry Council | Innovation in Construction* (2016): 50-57. ISSN 2312-8291.

Lau, H.C., and J. Zhu. "New Bud Building System 新芽系統."《建築與都市》(專輯:百家爭鳴)*Architecture + Urbanism (Chinese Edition, Special Issue on Architects in China)* 64 (2016): 128-31.

Zhu, J. "Lightweight Building System and Wooden Architecture 輕型複合建築系統與木結構."《建築技藝》*Architecture Technique* 8 (2016): 50-57.

Zhu, J. "When Lightweight Architecture Encounters Cities 當輕型建築遇上城市." *YoungBirds I* (Nov 2015): 80-115.

Wu, C., and J. Zhu. "Folding Structure: The Structure Design and Construction of MCEDO School Project in Kenya 折疊結構—肯尼亞 MCEDO 學校的結構設計與建造."《時代建築》*Time+Architecture*, no. 2 (2015): 48-53.

Zhu, J. "Possibilities of Light-weight Building Systems 輕量建築系統的多種可能."《時代建築》*Time+Architecture*, no. 2 (2015): 59-63.

Zhu, J. "Quality with Efficiency: The MCEDO School in Mathare Valley 質量與效率: 馬薩雷山谷的MCEDO學校."《質量測量師》*The Quantity Surveyor* (Oct-Dec 2014): 8-10.

Zhu, J. "Profile: Architecture Integration and Innovation Association 事務所檔案:建築集成與創新研究中心."《城市空間設計》*URBAN FLUX* 40 (2014): 109-31.

Zhu, J. "Temporary Bamboo Theaters for Hong Kong Ghost Festival 香港盂蘭勝會的臨時竹戲棚."《建築學報》*Architectural Journal (China)* 555 (Dec 2014): 92-95.

# University Grants Committee Research Projects

\*Early Career Scheme

2011-2012

## **Thomas CHUNG Wang Leung**

*Mechanized Mapping Urban Culture in Hong Kong: An Inter-disciplinary Investigation of Architecture, Urban Process and Filmic Imagination of Central and Yau-matei* (HK\$962,479)

## **Hendrik TIEBEN**

*Measuring Community Benefit in Public Space Transformation in Older Urban Districts: A Case Study of Sheung Wan and Sai Ying Pun* (HK\$647,785)

2012-2013

## **GU Daqing**

*A Theoretical Study of Design Pedagogy: Exercise, Project, and Program* (HK\$691,174)

## **HO Puay Peng**

*Power, Piety, and Philanthropy – The Architecture and Heritage of the Organized Communities in Hong Kong, 1860's-1960's* (HK\$814,136)

## **HO Puay Peng, Maggie HUI**

*Tibetan Vernacular Architecture at the Periphery of the Tibetan Plateau: Architectural Tradition and Cross-cultural Influence in a Region Inhabited by Tibetans, Muslims and Han Chinese* (HK\$808,654)

## **Hendrik TIEBEN**

*Investigating the Urban Design Guidelines of the PRD Cities: Guangzhou, Hong Kong, Macau and Shenzhen* (HK\$694,307)

2013-2014

## **REN Chao**

*Applying “Local Climate Zone (LCZ)” into High-density High-rise Cities – A Case Study in Hong Kong* (HK\$777,377)

## **Hendrik TIEBEN**

*Measuring the Impact of the MTR West Island Line on Public Space and Community Life in Hong Kong's Western Districts* (HK\$100,000)

2014-2015

## **Kristof CROLLA\***

*Architectural Design and Building of Light-weight, Bending-active Bamboo Shell Structures for Hong Kong Using Live Physics Engines* (HK\$826,820)

## **Edward NG Yan Yung**

*Parametric Studies of Urban Morphologies of High-density Cities and their Air Ventilation Performance under Neutral and Unstable Atmospheric Conditions Using Advanced Large-eddy Simulations* (HK\$1,523,012)

2015-2016

## **Stanislaus FUNG**

*From Drawings and Photographs to Digital Representation: A Pilot Study of Four Suzhou Gardens Using 3-D Laser Scanning* (HK\$635,128)

## **Edward NG Yan Yung**

*A Pilot Study to Establish the Future Design Summer Years (DSYs) of Hong Kong that Take into Account Climate Change and Urban Climate for More Sustainable Urban and Building Design* (HK\$791,506)

## **REN Chao**

*A Perspective of Hong Kong's Urban Development and Urban Climate (1960-2030) – A Historical Context for Future Actions* (HK\$573,000)

2016-2017

## **Peter W. FERRETTO**

*Urban Pauses: Reclaiming Hong Kong's Residual Urban Spaces* (HK\$737,000)

## **LIAO Kuei Hsien**

*Toward Resilient, Floodable City Creating Floodable Spaces as an Alternative Approach to Flood Hazard Mitigation in Existing High-density Urban Areas* (HK\$670,222)

## **Minjung MAING**

*Building Envelope Performance Design and Construction: Application of Sustainability Principles to Building Envelope Design for Public Housing in Hong Kong* (HK\$617,400)

## **Edward NG Yan Yung**

*Understanding Urban Transient Human Comfort for More Pedestrian Friendly Design of Urban Spaces in the Summer Months of High Density Tropical Cities* (HK\$734,134)

## **REN Chao**

*A Study of “Local Climate Zone (LCZ)” of Sub-tropical China's Pearl River Delta (PRD) Region by Using the World Urban Database and Access Portal Tools (WUDAPT) Method for Better, Comfortable Living and Sustainable Urban Planning* (HK\$685,970)

2017-2018

## **Peter W. FERRETTO**

*Adapting Villages: An Architectural Framework for Regenerating Dong Minority Settlements* (HK\$1,002,288)

## **Edward NG Yan Yung**

*Developing Urban Planning Optimization Strategies for Improving Air Quality in Compact Cities Using Geo-spatial Modelling Based on In-situ Data* (HK\$1,066,320)

## **REN Chao**

*Climatic-responsive Planning and Action for Mitigating Heat-related Health Risk at Community Level in High-density Cities – A Case of Hong Kong* (HK\$551,992)

## **Francesco ROSSINI\***

*Short-term Actions and Long-term Interventions: A Public Space District Plan for Central and Sheung Wan* (HK\$648,500)

2018-2019

## **Kristof CROLLA**

*Bending-active Bamboo Shell Structures: Methods and Guidelines for Best Architectural Design Practice* (HK\$844,024)

## **GU Daqing**

*A Critical Reflection on the Conservation and Revitalisation of Modern Architecture in Hong Kong through a Comparative Approach from a Global Perspective* (HK\$611,400)

## **Stanislaus FUNG**

*Between Architectural Plans and Photographs: A Study of Two Emerging Architects in Contemporary China* (HK\$622,194)

44

45



## Other External Grants

2012-2013

### **Hendrik TIEBEN**

*Magic Carpet – Re-envisioning Community Space in Sai Ying Pun* (Knowledge Transfer Fund, CUHK, HK\$400,000)

2013-2014

### **Hendrik TIEBEN**

*Urban Dialogue: Taipei x Hong Kong* (Spotlight Taiwan, Ministry of Culture, Taiwan, US\$30,000)

2014-2015

### **Wallace CHANG Ping Hung**

*Architectural and Associated Consultancy Services for Revitalisation of Haw Par Mansion into Haw Par Music Farm* (Design 2 (HK) Ltd., HK\$1,800,000)

### **Kristof CROLLA**

*Bamboo Pavilion Project* (Zero Carbon Building Ltd., HK\$507,925.44)

### **HO Puay Peng**

*Provision of Consultancy Services for Maintenance Works to be Carried Out at No. 71, San Wai Tsuen, San Tin, Yuen Long, N. T.* (Dr. Kan, Owner of No. 71, San Sai Tsuen, HK\$140,000)

### **HO Puay Peng**

*Heritage Consulting Services for University of Chicago – University of Chicago Centre – Mt. Davis, Hong Kong* (Bing Thom Architects Inc., HK\$105,000)

### **HO Puay Peng**

*Provision of Conservation Management Plan for Fat Tat Tong* (Antiquities and Monuments Office, HKSAR Government, HK\$300,000)

### **HO Puay Peng**

*Provision of Consultancy Services for Restoration Works to Tat Yan Study Hall, Shan Ha Tsuen, Yuen Long* (Sung Shing Tong HK\$120,000)

### **Minjung MAING**

*A Study of Impact of Building Envelope on Urban Outdoor Thermal Environment* (Hong Kong Construction Industry Council, HK\$990,000)

### **REN Chao**

*The Web-based Platform for Visualizing Impact of Urban Design on Local Urban Climatic Condition* (UGC Teaching Development Grant, HK\$75,000)

### **Hendrik TIEBEN**

*Magic Carpet – Re-envisioning Community Space in Tin Shui Wai* (Knowledge Transfer Fund, CUHK, HK\$300,000)

2015-2016

### **Wallace CHANG Ping Hung**

*Consultancy Service – “E-pathy City” Project* (Leisure and Cultural Services Department, HKSAR Government, HK\$581,176)

### **Thomas CHUNG Wang Leung**

*Consultancy Service – Castle Peak Hospital Architectural Study* (Castle Peak Hospital, HK\$48,000)

### **HO Puay Peng**

*Provision of Consultancy Service for Maintenance Works to the Repair and Restoration of Roof, Terrazzo Floor and Associated Repair Work at Hooper Hall at Municipal Services Staff Recreation Club at 4 Wylie Path, Kowloon* (Municipal Services Staff Recreation Club Ltd., HK\$180,000)

### **HO Puay Peng**

*Research Project: Traditional Chinese Architecture and Adaptive Reuse Projects in Hong Kong* (Antiquities and Monuments Office, HKSAR Government, HK\$255,000)

### **HO Puay Peng**

*Heritage Conservation Consultancy Service in the Project “Conservation of the Former French Mission Building for Accommodation Use by Law-related Organization(s) and Related Purposes”* (Design 2 (HK) Ltd., HK\$2,000,000)

### **Edward NG Yan Yung**

*Changing Urban Climate and the Impact on Urban Thermal Environment and Urban Living* (The Croucher Foundation - Croucher Advanced Study Institute, HK\$600,000)

### **Hendrik TIEBEN**

*Magic Carpet: Re-envisioning Community Space in To Kwa Wan* (Quality Education Fund, HKSAR Government, HK\$522,100)

### **Hendrik TIEBEN**

*Comprehensive Consultancy Services for an Area Study in Kowloon City* (AGC Design Ltd., HK\$200,000)

2016-2017

### **Adam FINGRUT and Kristof CROLLA**

*CNC Foamwork for Pre-Fabricated Concrete Casting* (Chun Wo Building Construction Ltd., HK\$320,922)

### **Thomas CHUNG Wang Leung**

*Farm HD Symposium 2017* (School of Architecture + Design, RMIT University, HK\$20,250)

### **GU Daqing**

*The NSBAE Workshop on Design Pedagogy 2017 & 2018* (National Supervision Board of Architectural Education, China HK\$456,000)

### **HO Puay Peng**

*Lai Chi Wo Exhibition* (Hong Kong Countryside Foundation Ltd., HK\$60,000)

### **HO Puay Peng**

*Provision of Consultancy Services for Restoration Works to Lim House, 176 Shung Ching San Tsuen, Shap Pat Heung, Yuen Long, N.T.* (Lim Fat Property Ltd., HK\$107,692)

### **Edward NG Yan Yung**

*One University One Village - Earth Building* (Chan Cheung Mun Chung Charitable Fund Ltd., HK\$5,000,000)

### **REN Chao**

*Towards Urban Planning Strategies to Improve the Thermal Environment in High-density Cities Based on Better Understanding and Extraction of the Urban Morphology in the WUDAPT Framework* (Germany/Hong Kong Joint Research Scheme 2016/17, HK\$89,400)

2017-2018

### **Edward NG Yan Yung and REN Chao**

*PLEA2018: Smart and Healthy within the 2-degree Limit* (Environment and Conservation Fund, HK\$500,000)

### **Hendrik TIEBEN**

*Magic Lanes, in collaboration with Caritas Hong Kong, CACHe and Melissa Cate Christ* (District Urban Renewal Fund, HK\$5,900,000)

# Faculty Direct Grants

2011-2012

## **Esther LORENZ**

*Mechanized Pedestrian Movement in Hong Kong and its Impact on Architecture and Urban Design*

## **Marc Aurel SCHNABEL**

*Digital Bi-tonal Architectural Depiction*

## **Marc Aurel SCHNABEL**

*Digital Fabrication in Architectural Design*

## **GU Daqing**

*The Development of a Process-based Method of Formal Analysis and Its Application in Architectural Study*

2012-2013

## **Marisa YIU Kar San**

*Multi-tasking Spatial Infrastructures and Sustainability Practices of Hong Kong NGO's: A Study of the Urban and Architectural Programmatic Typologies and Communities in Hong Kong*

## **REN Chao**

*A Pilot Study on the Urban Heat Island Effect of Hong Kong High Density Urban Areas by Utilizing the Weather Research and Forecasting with its Urban Canopy Model (WRF-UCM)*

## **Marc Aurel SCHNABEL**

*The Virtual Campus Project: Collaborative Virtual Architectural Environments*

## **Marc Aurel SCHNABEL**

*Outdoor Thermal Comfort for Three Zones of a Street: Influence of Aspect Ratio and Orientation - Longitudinal Study*

2013-2014

## **LIAO Kuei Hsien**

*Urban Design for Flood Resilience of Asian Cities - Learning from Local and Traditional Adaptation Strategies*

## **REN Chao**

*Outdoor Thermal Comfort in High-density Urban Areas of Subtropical cities – A Pilot Study in Hong Kong by using Numerical Modelling of Three-dimensional Radiant Fluxes and Mean Radiant Temperature*

## **Marc Aurel SCHNABEL**

*Outdoor Thermal Comfort for Various Building Types in Sydney (Australia): A Longitudinal Study*

## **Stanislaus FUNG**

*Spatial Analysis of Two Suzhou Gardens: Zhuo Zheng Yuan and Liu Yuan*

## **Jenny LOVELL**

*Building Envelope: Building Occupant*

2014-2015

## **LIAO Kuei Hsien**

*Urban Streams and Rivers as Green Infrastructure in High-density Asian Cities: An Empirical Study on Hong Kong, Taipei and Singapore*

## **Francesco ROSSINI**

*SOS – Seating for Socializing. A Temporary Urban Device to Revitalize Hong Kong Public Spaces*

## **Patrick HWANG Cheng Chun**

*Digitizing and Analyzing the Geometry of Cenotaph of Turenne by Etienne-Louis Boullée*

2015-2016

## **Peter W. FERRETTO**

*Reactivating the Social Spaces of Chinese Ethnic Minority Villages: The Hunan Dong Minority Village*

## **Adam FINGRUT**

*Responsive Architecture with Computationally and Mechanically Driven Systems*

## **Thomas CHUNG Wang Leung**

*A Pilot Study in Investigating the Metabolism of Hong Kong's Urban Voids: From Mapping to Creative Reuse of Vacant Spaces in North Point*

## **Kristof CROLLA**

*Geometrically Complex Architectural Structures Produced by Large-scale Cable Robots*

## **Filipe AFONSO**

*Potentials for the Design of an Agglomerated Cork Non-standard Modular Facade System Applied to High-rise Construction in Hong Kong*

## **Minjung MAING**

*Urban Vertical Greening Typologies for Low-rise and High-rise Housing Developments in High-density Living Environment*

## **Francesco ROSSINI**

*Vertical Density and Informal City: the Role of Public Space in the Urban Regeneration of Manila's Districts*

## **TSOU Jin Yeu**

*Study of the Impact of Existing Hyper-density Housing Development on Urban Heat Island of Hong Kong*

2016-2017

## **REN Chao**

*A Pilot Study on Outdoor Thermal Sensation, Comfort and Preference in Public Open Space of Sub-tropical High-density Cities*

2017-2018

## **Stanislaus FUNG**

*The Image of Architects in Chinese Architectural Journals: The Case of Shidai jianzhu, 1993-2013*

# MPhil and PhD Students

37 Research Postgraduate Students are currently enrolled at the School of Architecture

<b>BTSD</b>	Edward NG	WAN Li	<i>Study of Built Environmental Sustainability Assessment of Poor Rural Areas of Southeast China</i> (PhD, 2013)
		Kevin LAU Ka Lun	<i>Projecting Future Air Temperature of Hong Kong for the 21st Century and its Implications on Urban Planning and Design</i> (PhD, 2014)
		YUAN Chao	<i>Integrated Urban Climatic Sensitive Strategies for High Density Urban Planning and Design: A Case Study in Hong Kong</i> (PhD, 2014)
		CHEN Yang	<i>Investigation of Context Sensitive Thermal Comfort in Urban Open Spaces: A Study in Xi'an</i> (PhD, 2016)
		SHI Yuan	<i>Mapping the Air Pollution in High-density Urban Environments of Hong Kong for Environmental Urban Planning and Design Using Land Use Regression Approach</i> (PhD, 2016)
		TAN Zheng	<i>Design for Outdoor Comfort: Microclimate Effects of Urban Trees under Different Sky View Factors in Subtropical High-Density Cities</i> (PhD, 2016)
		Alan LAI Kwok Lung	<i>Predicting Outdoor Thermal Comfort in High-density Urban Environment Based on View Factor Method in Radiative Energy Transfer</i> (MPhil, 2017)
		CAI Meng	<i>Extraction of Urban Morphology of China from Open Data and its Applications in Resilient Urban Planning</i> (PhD, ongoing)
		GONG Fangying	<i>Assessment of Urban Green Space Provisions for Developing Healthy Living Environment in Subtropical High-density Cities</i> (PhD, ongoing)
		KUANG Da	<i>Flood Memory – Learning From Flood Experience</i> (PhD, ongoing)
		KWOK Yu Ting	<i>Urban Climate Simulation of Hong Kong and its Implications on Future Urban Developments</i> (PhD, ongoing)
		LIU Sheng	<i>A Building Performance-based Energy Modeling for Urban Sustainable Renovation</i> (PhD, ongoing)
	OUYANG Wanlu	<i>Mapping and Improving Outdoor Thermal Comfort through Spatial and Temporal Analysis</i> (PhD, ongoing)	

<b>BTSD</b>	Edward NG	WANG Ran	<i>Surface Heat Island and its Relationship to Urban Expansion in Chinese Cities</i> (PhD, ongoing)
		XIANG Luyao	<i>How Building Environment Affect Human Emotion and Stress Level? – A Pilot Study in High-density City</i> (PhD, ongoing)
	REN Chao, Edward NG	ZHENG Yingsheng	<i>Planning Strategies for Urban Heat Island Mitigation: An Application of Local Climate Zone into the High-density City of Hong Kong</i> (PhD, 2016)
	Edward NG, Peter W. FERRETTO	CHI Xinan	<i>“Better” Anti-seismic Rammed-earth Buildings for Rural Areas of Southwest China</i> (PhD, ongoing)
		LI Kehan	<i>Meanings of the Built Environment and Power Behind Changes of Rural Spaces in China's Nu River Valley</i> (PhD, ongoing)
		SHAO Changzhuan	<i>Experimental Research and Engineering Practice on Bamboo Bridge in China</i> (PhD, ongoing)
	ZHU Jingxiang	XIA Heng	<i>Forming a Bay Window Issue, Case and Design</i> (PhD, 2014)
		LIU Jie	<i>Digital Exploration on Graphic Statics: its Attribute Matrix, Interactive Application and Basic Algorithm</i> (PhD, 2016)
		Pedram GHELICHI	<i>Construction as Design Generator: The Evolutionary Process of Material, Structure and Space Integration</i> (PhD, ongoing)
		SUN Yuxuan	<i>An Exploration of the Definition of Blocks in Construction and Architectural Context</i> (PhD, ongoing)
		ZHAO Yan	<i>Modernizing Log Construction System: A Study on Building Technology Advancement and Relevant Design Strategy</i> (PhD, ongoing)
	<b>DMP</b>	GU Daqing	HAN Man
		WU Jiawei	<i>The Transplantation of an Architectural Pedagogy – The Zurich Model and Its Developments in China</i> (PhD, 2017)
		HAN Ruyi	<i>The Polytechnic Model in China's Architectural Education – Its Evolution, Characteristics and Contemporary Challenges</i> (PhD, 2018)

<b>DMP</b>	GU Daqing	ZHANG Yiwei	<i>The Western Origins of the Composition Pedagogy and its Evolution in China's Architectural Education</i> (PhD, 2018)
		XU Liang	<i>Narrative-based Design Pedagogy in China's Architectural Education: Its Transplantation, Characteristics and Impact</i> (PhD, ongoing)
<b>DTCD</b>	TSOU Jin Yeu	CHEN Chun Hong Felix	<i>Enhancement of Administrative Intelligence on the Public Utilities of a Smart City</i> (PhD, ongoing)
		CHEN Feihao	<i>Climate Impacts under Different Urbanization Modes and Planning Mitigation – An Example of Zhongshan City</i> (PhD, ongoing)
		LI Xiang	<i>Design Strategies for “Age-In-Place” Based Age-friendliness Improvement of Built Environment in Urban Renewal under High-density Development</i> (PhD, ongoing)
	TSOU Jin Yeu, Kristof CROLLA	WANG Sining	<i>Workflow of Contemporary Digital Design, Fabrication and Assembly Industry in Chinese Architecture Environment</i> (PhD, ongoing)
<b>HCCD</b>	HO Puay Peng	JIANG Zhidan	<i>The Transition of Chinese Architectural Direction Conception in Early Periods of Western Han Dynasty</i> (PhD, 2013)
		LAU Leung Kwok	<i>Adaptive Modern and Speculative Urbanism: The Architecture of the Cr�dit Foncier d'Extr�me-Orient in Hong Kong and China's Treaty Ports, 1907-1959</i> (PhD, 2014)
		CAI Jiajun	<i>The Aesthetics of Simplicity and Subtlety – Late-Ming Scholar's Self-Cultivation in Art and Design</i> (PhD, 2015)
		DU Ruijie	<i>A Critical History of the Concept of Authenticity within the Professionalization of Chinese Architectural Conservation</i> (PhD, 2017)
		MO Kar Him	<i>Profit, Virtue and Megaform: Hongkong Land's Building Activities in Central District, 1889 – 1983</i> (PhD, 2017)
		YANG Xu	<i>Heaven-made Inheritances: The Inner-Asian Architectural Patterns and Their Adaptations in Late Imperial China</i> (PhD, 2017)
	Stanislaus FUNG	CHEN Jun	<i>Structural Design in Contemporary Chinese Architecture</i> (PhD, ongoing)

<b>HCCD</b>	Stanislaus FUNG	LI Yuke	<i>Soundscape in Classical Chinese Gardens</i> (PhD, ongoing)
		LIU Chang	<i>Rock and Rockery in Song Dynasty</i> (PhD, ongoing)
	Stanislaus FUNG, Thomas CHUNG	LYU Ruijie	<i>Mid-twentieth-century Houses by Richard Neutra</i> (PhD, ongoing)
	Stanislaus FUNG, HO Puay Peng	CHAN Ching Kan	<i>Hong Kong – On the Verge of Identity</i> (PhD, ongoing)
<b>UDLU</b>	Hendrik TIEBEN	Mika SAVELA	<i>The Urgent Modernity – Reviewing Displays of New Urban China amidst the Curatorial Turn and Global Biennialization</i> (PhD, 2016)
		Alexander ZIPPRICH	<i>Designing the University with City – A Study of Campus Typologies Emerging with Urbanization: The Architecture and Space of Hong Kong's Universities in the Context of Time and Place</i> (PhD, 2017)
		CHEN Fei	<i>Transformation of Public Participation in Urban Renewal, HKSAR (2001-)</i> (PhD, ongoing)
		CHEN Yongming	<i>Socio-spatial Dynamic, Community Transformation and Everyday Practice: A Spatial Anthropology of Boat People's Settlement, Xiamen (1910s-2010s)</i> (PhD, ongoing)
		GENG Yan	<i>From Rural Settlement to Urban Form – A Comparative Study of Village Transformations in Hong Kong and Shenzhen</i> (PhD, ongoing)
	Hendrik TIEBEN, Thomas CHUNG	HUANGFU Wenzhi	<i>Between Seeing and Being Seen: Understanding a Social Logic Based on Asymmetry of Single Visual Interaction (ASVI) in Built Space and its Application in Space Analysis</i> (PhD, ongoing)
	Hendrik TIEBEN, Peter W. FERRETTO	LUO Jing	<i>Form Follows Body: The Changing Relationship between Human Body and Modern Chinese Architecture after the 1980s and its Impact on “New Style Of Tang”</i> (PhD, ongoing)
	Hendrik TIEBEN, HO Puay Peng	HUI Cheung Man Charmaine	<i>Ontological Politics: the Discursive Construction on Built Heritage Conservation in Hong Kong</i> (PhD, ongoing)

# Conferences and Workshops

## International Conference on East Asian Architectural Culture (EAAC): “Convergence in Divergence – Contemporary Challenges in East Asian Architectural Studies”

10 -12 December 2012  
Organiser: *Prof. HO Puay Peng*

54 Modern study of East Asian architectural tradition began slightly more than a century ago, pioneered by Japanese scholars with ground-breaking research and publications of ITO Chuta (1868-1954) in 1893, and followed by Chinese architects in the early 20th century such as LIANG Sicheng (1901-1972), LIU Dunzhen (1897-1968) and others. Since then, the field has expanded tremendously both in scope and methodology. What can we learn from the research achievement and experience from this important period of development? The 2012 International Conference on East Asian Architectural Culture at CUHK was organised not only to grasp the current state of the field, but also to project issues

into the future. Encompassing a common root in architectural tradition, similar trajectory of development, and much cross-fertilisation in the past century, how can we collaborate further in the realm of East Asian architectural studies? The 2012 EAAC International Conference aimed to provide an opportunity for the academia in this vast field of research to face the challenges and look beyond.

## International Forum on Urbanism (IFoU)

19 January - 2 February 2013  
Organiser: *Prof. Hendrik TIEBEN*

Initiated by CUHK in collaboration with the International Forum on Urbanism (IFoU), the 2013 IFoU Winter School aimed to produce, in parallel with the work being developed for Hung Shui Kiu by various public and private bodies, a set of radical proposals for the future of the proposed new town. These proposals

were evaluated regarding not only their potential sustainability but also their broader intentions that could make Hung Shui Kiu an “ideal city” on a par with Hong Kong, in terms of aesthetics, distinctive identity, sense of place, diversity and quality of urban life. Participating students were asked to make strategic urban design proposals addressing the whole site of the “New Development Area”, before creating conceptual proposals for different sectors and designing sub-themes within the overall strategy. While Hong Kong’s new towns have overall been bland and generic, Hung Shui Kiu must aim to be an “ideal city” for the new generation.

## Symposium: Switzerland – Hong Kong: Energy for Urbanized Societies?

1 June 2013  
Organiser: *Prof. TSOU Jin Yeu*

The event was co-hosted by the Consulate General of Switzerland in Hong Kong and School of Architecture, CUHK, and provided a platform for scholars and professionals in architecture and energy of Hong Kong and Switzerland. The panel of renowned participants were challenged to address the following points:

- CO2 emissions have now reached unprecedentedly high levels in history. Can this trend be halted? Is the reversal possible?
- Alternative energy has been promoted by nearly all the industrialised countries. Can this be the solution or only a factor among many to stop climate change?
- What is Clean Tech or Green Building technology? Are these technologies offering solutions to achieve the Kyoto Protocol emissions targets?

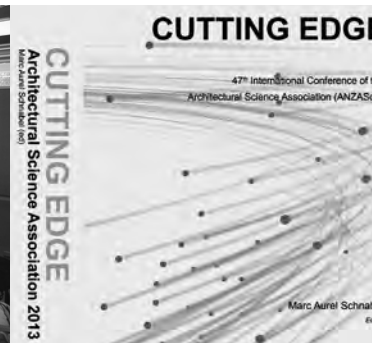
- Can design and architecture provide solutions to reduce energy consumption and the release of greenhouse gases into the atmosphere?
- What is intelligent building technology?
- Does better building insulation help to reduce carbon footprint?

## 47th International ASA-Conference “Cutting Edge in Architectural Science”

16 November 2013  
Organisers: *Prof. Marc Aurel SCHNABEL, Prof. TSOU Jin Yeu, Dr. Henry SKATES, and Prof. Richard HYDE*

We are facing unprecedented challenges in our natural and human-made cultural, social and built environments. Working at the intersection of human needs, creative innovation, education, critical thinking, computing, science, design and technology, practitioners and researchers in Architectural Science have been uniquely placed to

engage with these challenges and frontiers. Architecture is no longer an organisation of matter and space, but systems with multi-layered components and increasingly complex relationships. The 47th International ASA-Conference hosted by the School of Architecture aimed to present cutting-edge developments, relevant discourses and, possibly, appropriate cures. It explored and raised awareness of the need of crossing disciplinary boundaries and reaching creative communities at all levels of expertise, by pooling resources, knowledge and practices, and integrating them into the discipline of applied architectural research and science.



eaac, 2012

ifou, 2013

asa 2013

**GSD China Studio: Roundtable Panel Discussion and Exhibition: "Macau: Cross-Border Cities"**

24 March - 4 April 2014

Organisers: Prof. Nelson CHEN, AECOM, and Harvard Graduate School of Design

The School of Architecture held a roundtable panel discussion for an exhibition titled "Macau: Cross-Border Cities". Presented by Prof. Christopher LEE, Associate Professor in Practice of Urban Design, Harvard Graduate School of Design (GSD) and renowned experts in architecture, the roundtable session attracted a large audience of students and faculty members of the School.

At the roundtable panel discussion, the results of the "Harvard Graduate School of Design-AECOM | China Studio" conducted by GSD and sponsored by AECOM, a leading design and engineering consultancy, were presented. Commencing in the Fall of 2012, the three-year programme focused on questions such as "What does

Macau have in common with cities which are on the frontier of mainland China?" and "What are the common frameworks that bind the developmental cities of today?". The programme is the first-of-its-kind collaboration between GSD and AECOM. Macau was one of the case studies conducted by the programme. Prof. Christopher Lee and participating students travelled to the city from September to December 2013, and held workshops with local planners, architects, professors and fellow students to study the sites, discuss issues facing the city and look at possible design approaches. Students also toured the city to understand its unique culture, history and urban condition.

The exhibition aimed at facilitating exchange of ideas among leading academics, practitioners and students on architectural typologies and common emerging urban frameworks found in developmental cities.

**Smartgeometry Workshop and Conference**

14 - 19 July 2014

Organiser: Prof. Marc Aurel SCHNABEL

Large cities thrive on density and diversity. But beyond the energy and efficiency, complex issues are at play in terms of the concentrating population and built infrastructure in contemporary high-rise cities. How do we meet the challenges of systems design for high-quality, compact urban environments?

Smartgeometry 2014, in partnership with the University of Hong Kong, gathered a global community of academics, professionals and emerging talents in the fields of architecture, design and engineering, offering new perspectives on how digital and computational design could shape the built form in high-density cities today. The event comprised a four-day collaborative design workshop with different "clusters" and focuses, followed by a two-day conference as an opportunity

for critical reflections on the workshop, as well as showcasing major projects and research from around the world, calling for open debate and innovative approaches to diverse areas of the contemporary city.

**The Hong Kong Graduate Conference in Architectural Research 2015**

18 April 2015

Organisers: Prof. Stanislaus FUNG and PhD Students in Architecture

The School of Architecture hosted the Hong Kong Graduate Conference in Architectural Research 2015, inviting Masters and PhD students to present their recent research for discussion. Prof. XU Subin, a distinguished scholar in architectural conservation from Tianjin University, delivered the keynote address. In addition, 24 speakers presented papers at the Conference, of which 13 were from outside CUHK. Professors from China, Belgium and Japan, as well as 10

professors from the School of Architecture took part in the discussions.

**Who Has the Right to Asia's World City – Hong Kong Urban Thinkers Campus (A United Nations Habitat Event)**

29 August 2015

Organisers: School of Architecture (Prof. Hendrik TIEBEN) and Department of Geography and Resource Management, CUHK, and Designing Hong Kong

The Urban Thinkers Campus is an initiative of UN-Habitat's World Urban Campaign, conceived as an open space for critical exchange between urban actors. It is intended as a platform to reflect on current urban challenges and propose a new urban paradigm. The outcomes will contribute to the New Urban Agenda at the United Nations Conference on Housing and Sustainable Urban Development (Habitat III) in 2016.

The objective of the Hong Kong Urban Thinkers Campus was to better understand Hong Kong's challenges and the lessons for global urban development.

Ten speakers and moderators, including NG Mee Kam (CUHK), Ada WONG (Make a Difference) and Paul ZIMMERMAN (Designing Hong Kong), were invited to give presentations and lead discussion sessions with 200 participants on various urban themes, such as World City vs. Great City; Mainland Integration; Public Space in a Dense City; Speculative vs. Affordable Housing; and Land Hegemony.



gsd china studio - macau cross-border cities, 2014



smartgeometry, 2014



smartgeometry, 2014

### Background City – International Architectural Conference

17 - 18 December 2015

Organiser: Prof. Peter W. FERRETTO

The first Background City International Conference at CUHK aimed to re-awaken a sense of wonder in the present, nullify the effects of collective urban amnesia, and ignite critical considerations to the role of the anonymous city in our society.

Contemporary cities never start nor end, rather they continuously adapt, mitigate and mutate to remain relevant, expanding and contracting to survive. With the recent imperative in the profession to withdraw from claims of an actual city towards postulations regarding the possible future city – aka the Smart City – the conference addressed notions of the incoherent, forgotten and undefined city, as characterised in 10 specific examples from world cities in Asia, Europe and America. Today, as several hundred million more people are expected to move to cities in East

Asia over the next 20 years as economies shift from agriculture and manufacturing to services, when the China's Pearl River Delta has overtaken Tokyo to become the world's largest urban area in both size and population, Hong Kong is in a strategic position both geographically and politically to examine the role of what our cities are, rather than what they might become.

### The Hong Kong Graduate Conference in Architectural Research 2016

1 - 2 April 2016

Organisers: Prof. Stanislaus FUNG and PhD Students in Architecture

This conference brought together research postgraduate students from 10 architectural schools to foster discussions on current research with a focus on the architectural humanities.

Four academic visitors from overseas attended this event, with Prof. Jin BAEK

from Seoul National University delivering the keynote address. Prof. Yoonchun JUNG of Kwangwoon University, Dr. JIANG Bing, Associate Editor-in-Chief of *El Croquis* magazine (Chinese-English Edition) and Ms. WANG Hanni, an editor from *Jianzhu xuebao* (official journal of the Architectural Society of China), gave special presentations. A highlight of the conference was a talk on rare books on architecture in the collection of the CUHK Architecture Library by Prof. HO Puay-peng, Director of the Centre for Architectural Heritage Research.

### Symposium on Teaching Architectural History and Theory 2016

16 - 17 June 2016

Organiser: Prof. Stanislaus FUNG

This symposium brought together architectural educators and research postgraduate students to discuss issues related to teaching architectural history and

theory, ranging from pedagogical objectives and modes of teaching, to assignment work, assessment and learning outcomes.

Five overseas academic visitors travelled to Hong Kong to attend this event: Prof. Norihito NAKATANI (Waseda University) delivered a keynote address on the relationship between his research and teaching activities. Prof. XU Subin (Tianjin University) presented aspects of her elective course for master's students on the conservation of Asian cultural heritage. Prof. LEE Kah Wee (National University of Singapore) discussed his core course on history and theory of urban planning for his master's students. Prof. WU Ping-Sheng (National Cheng Kung University, Tainan) examined the relationship between seeing and thinking two courses. Prof. FENG Jiang (South China University of Technology) presented aspects of a postgraduate course on architectural theory.

Three CUHK courses were presented by Prof. HO Puay-peng and Prof. Stan FUNG at this symposium.

### “Agency and Resilience” – 10th Conference of the Pacific Rim Community Design Network

15 - 17 December 2016

Organisers: School of Architecture (Prof. Hendrik TIEBEN) and Department of Geography and Resource Management, CUHK

The CUHK Urban Studies Programme, jointly organised by the Department of Geography and Resource Management and the School of Architecture under the Faculty of Social Science, hosted the 10th conference of the Pacific Rim Community Design Network in 2016.

With the theme of “Agency and Resilience”, the event was held for urban planners, designers, academics and professionals around the world to explore theories, designs and practices related to resilience in diversified spatial and temporal settings, addressing environmental, social and economic challenges at both local and global levels, such as climate change and socio-spatial polarisation.

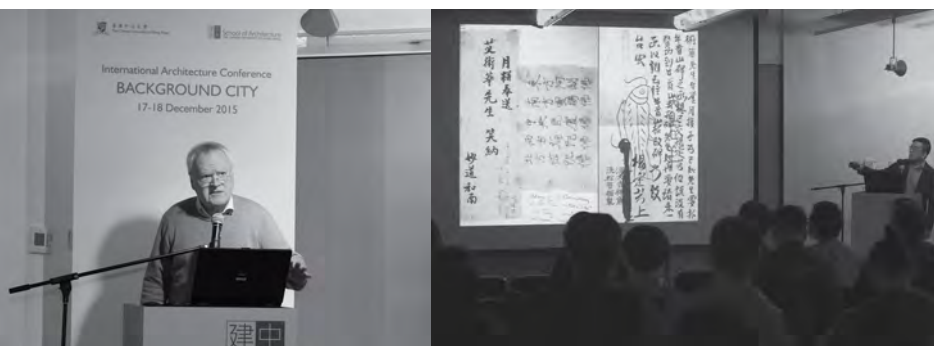
### Hong Kong Urban Thinkers Campus 2.0 – An Event of the UN-Habitat World Urban Campaign

1 April 2017

Organisers: School of Architecture (Prof. Hendrik TIEBEN), Department of Geography and Resource Management, and Institute of Future Cities, CUHK

The Urban Thinkers Campus is an initiative of UN-Habitat's World Urban Campaign, conceived as an open platform for critical exchange on current urban challenges and trends as well as proposing a new urban paradigm.

The HKSAR Government had undertaken a six-month consultation process on the sustainable urban development of the city towards 2030 and beyond. Meanwhile, the adoption of the New Urban Agenda at the United Nations Conference on Housing and Sustainable Urban Development (Habitat III) in October 2016 presented a critical framework elaborating related ideas.



background city, 2015



graduate conference, 2016



agency and resilience, 2016



urban thinkers campus, 2017

In this context, a major objective of the Urban Thinkers Campus was to provide a forum for discussion regarding Hong Kong's urban future, as part of the Hong Kong 2030+ consultation process.

### FARM HD – Hong Kong Symposium

5 April 2017  
Organisers: *School of Architecture, CUHK (Prof. Thomas CHUNG) and RMIT University*

As part of the FARM HIGH DENSITY programme at RMIT University, this symposium presented research and design projects that explored the architectural and urban opportunities and limitations for high-density farming in Hong Kong.

The projects experimented with alternative sites for urban farming (e.g., rooftops and interiors) through advanced engineering systems, and examined the socio-economic connections between farming, food, living and working in the city. By gathering and disseminating the research outcomes, the

symposium aimed to foster discussion about food security and urban food production, and to recognise the contributions the built environment disciplines could make to these critical issues.

The FARM HD project aimed to continue and deepen conversations about urban farming in our future cities. FarmHD – Melbourne Symposium was held subsequently on 10 August 2017, at RMIT Design Hub, gathering international experts and designers to propose new ideas for the pressing issue of food security, local food accessibility and practical architectural approaches for high-density agriculture.

Speakers:

Thomas CHUNG (CUHK)  
Gretchen WILKINS (RMIT University)  
Graham CRIST (RMIT University)  
John DOYLE (RMIT University)  
Chris CHAN and Stephanie TAN (Atelier CASAA, Hong Kong)  
Andy WANG (Lab Architects, Shanghai)  
Neville MARS (Mars Architects, Shanghai)

Alan LAU (OMA Asia, Hong Kong)  
Ruben BERGAMBAGT and Carolyn LEUNG (Superimpose Architects, Hong Kong)

### Context – RPg Symposium 2017

30 April 2017  
Organisers: *PhD Students in Architecture*

With the theme of “Context”, this symposium brought together research postgraduate students from a wide range of disciplines to present their current studies and share the “context” of their research. Researchers and practitioners from different countries and areas of knowledge such as urban design and planning, landscape architecture, architectural theory and history, and building technology were also participating in the event.

WANG Zhenfei, Director of HDDFUN, and Joshua LAU, Principal and Founder of OPUX, were the keynote speakers for this symposium, which consisted of four sessions: Urbanism, History and Theory,

Structure and Technology (Sessions I and II). Each session featured about six presenters to redefine “context”, followed by a discussion with the keynote speakers on the topic.

Context – RPg Symposium 2017 was open to teachers and students in relevant fields from CUHK and other educational institutions.

### Joint Workshop on Designing Public Space in Tai Po, Hong Kong

22 - 26 May 2017  
Organisers: *School of Architecture, CUHK (Prof. GU Daqing) and HFT Stuttgart*

This five-day event was the third collaborative workshop jointly organised by CUHK and Stuttgart University of Applied Science (HFT), with the major theme of designing public spaces in Hong Kong. Ten architecture and urban planning students from Stuttgart joined CUHK students at both BSc and MArch levels to form

mixed working teams to research the Tai Po Market and propose design interventions to improve the quality of public spaces in the area.

The main challenge was to gain design inspirations from Hong Kong's local conditions, while dealing with urban space from the perspective of architectural design. Topics discussed included the definition of space, spatial quality, access/entrance, proportion, surface/materials, furniture and lighting.

### UrbanactionsHK: International Symposium and Workshop

22 - 27 May 2017  
Organiser: *School of Architecture, CUHK (Prof. Francesco ROSSINI)*

The inadequate provision of open space in urban areas is one of the most recurrent challenges for the HKSAR Government, for high-quality public spaces can significantly increase a city's attractiveness

by encouraging business investment and improving living conditions.

This symposium-workshop aimed to develop design proposals to regenerate underused public spaces in Hong Kong in response to local needs. Led by a group of international architects and urban designers from both academia and industry, four teams of 8-10 students developed urban design interventions to encourage the use of public space.

Tutors and Speakers:

Filipe AFONSO (CUHK)  
Thomas CHUNG (CUHK)  
Margaret CRAWFORD (University of California Berkeley)  
Alfonso FEMIA (Co-founder, 5+ IAA Agenzia di Architettura, Genova)  
Peter W. FERRETTO (CUHK)  
Patrick HWANG (CUHK)  
Betty NG (CUHK)  
Fermín VÁZQUEZ (Founder, b720 Fermín Vázquez Arquitectos, Barcelona)  
Weiping WU (Columbia University)



farm hd, 2017



context – rpg symposium, 2017



designing public space in tai po, 2017



urbanactionshk, 2017





**International Workshop on the Analysis of Architectural Journals**

16 - 17 June 2017  
Organiser: Prof. Stanislaus FUNG

The workshop brought together researchers and journal editors from Australia, Hong Kong, mainland China and the UK to analyse and discuss new perspectives on architectural journals. It was open to teachers, researchers and students in relevant fields from CUHK, as well as members of the architectural profession.

Speakers:  
CHAN Ching Kan (CUHK)  
Thomas CHUNG (CUHK)  
DING Guanghui (Beijing University of Civil Engineering and Architecture)  
FENG Jiang (South China University of Technology)  
Stanislaus FUNG (CUHK)  
Paul HOGBEN (University of New South Wales, Sydney)  
Thomas TSANG (University of Hong Kong)

Robin WILSON (The Bartlett School of Architecture, University College London)  
ZHI Wenjun (Tongji University)

**The NSBAE Workshop on Design Pedagogy 2017**

16 - 30 July 2017  
Organisers: School of Architecture, CUHK (Prof. GU Daqing) and the National Supervision Board of Architectural Education (China)

Launched in 2011, the annual NSBAE Workshop on Design Pedagogy is an intensive design exploration of space and tectonics targeting young architectural educators in China. It has trained around 300 educators from 50 architectural schools in China since its inception. In 2017, 68 educators and professionals from 25 universities and design firms were enrolled in the Workshop at CUHK.

The programme was conceived and taught by a group of experienced educators led

by Prof. GU Daqing, whose architectural pedagogy has informed the Foundation Studio of our undergraduate programme at CUHK. Featuring a series of lectures on design theory and methodology, architectural education and pedagogy, as well as tours of modern and contemporary architecture in Hong Kong, the two-week Workshop ended with an exhibition of the resulting design works and a seminar that encouraged further exchange among the participants.

**10th IFoU Conference – The Entrepreneurial City**

14 - 16 December 2017  
Organisers: International Forum on Urbanism (IFoU), MSc in Urban Design, School of Architecture (Prof. Hendrik TIEBEN), Faculty of Social Science, and Center for Housing Innovations, CUHK

In the face of environmental, social and economic challenges at both local and global levels, the 10th International Forum

on Urbanism (IFoU) Conference invited academics, urban planners and designers from across the world to deliberate on theories, designs and practices on the topic of "The Entrepreneurial City".

The theme evolved in discussions during the run-up to the 2016 UN Habitat III Conference in Quito. There, nearly 170 countries adopted the New Urban Agenda, among which main goals was to achieve a fairer share of the prosperity brought by urbanization. For this to happen, speakers from 21 countries gathered in Hong Kong at the 10th IFoU Conference to investigate how urban design, planning and policies could create opportunities for innovative and socially minded entrepreneurs, motivating new initiatives to make our cities more inclusive and prosperous.

Established in 2004, the IFoU is a network of 23 distinguished universities, research institutes and knowledge centres across Asia, Europe and South America, with the task to strengthen the international collaboration in the field of Urbanism.

**ACU Summer School 2018**

1 - 9 July 2018  
Organisers: School of Architecture (Prof. Hendrik TIEBEN) and Department of Geography and Resource Management (Prof. Mee Kam Ng), CUHK

ACU Summer School 2018 brought together more than 40 students representing 16 nationalities from the Association of Commonwealth Universities (ACU) for a week of expert lectures, field trips, social events and group work on designing and creating sustainable communities.

Through workshops and local case studies of Sai Ying Pun, Blue House, Mapopo Community Farm and Tin Shui Wai, the Summer School introduced to participants basic sustainability planning and design techniques, aiming to train future leaders with abilities to diagnose urban issues from multiple perspectives and to work collaboratively towards creative and sustainable solutions. Established in 1913, ACU is the world's first international university network with more

than 500 member universities from 40 countries. The ACU Summer School has been running annually since 2011 and is hosted by a different ACU member university every year.

Speakers:  
Jenny CAMERON (U Newcastle, Australia)  
Christopher LAW (Oval Partnership, HK)  
Lawal Mohammed MARAFA (CUHK)  
Solam MKHABELA (Wits University)  
Mee Kam NG (CUHK)  
Howard TAM (ThinkFresh Group, HK)  
Hendrik TIEBEN (CUHK)  
Ada WONG (Make A Difference Institute; Hong Kong Institute of Contemporary Culture)



analysis of architectural journals, 2017



nsbae, 2017



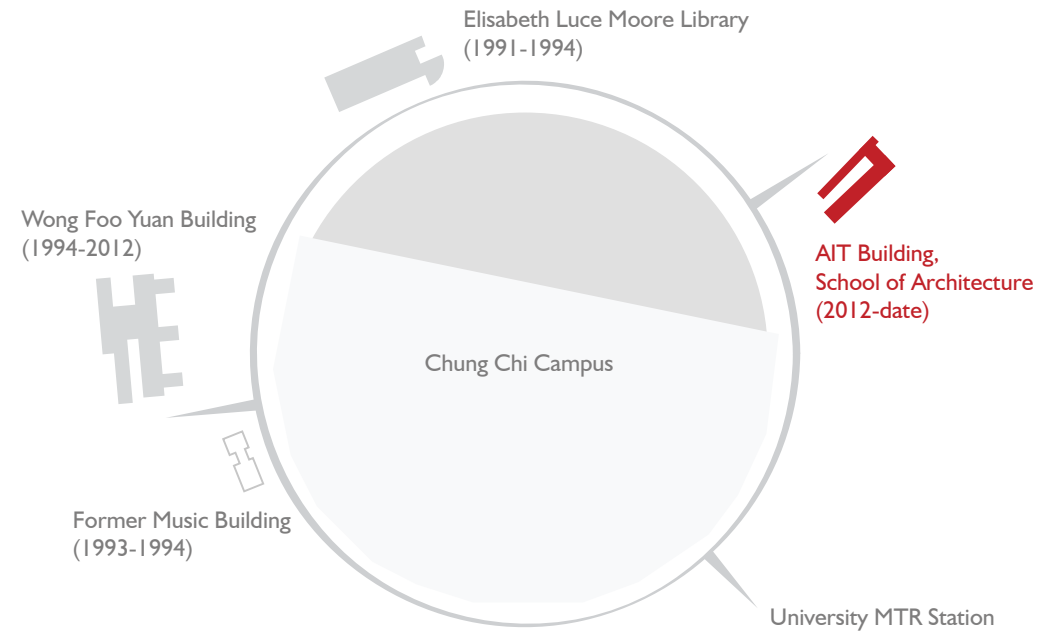
ifou, 2017



acu, 2018

# Location

64



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