

**EDUCATION**


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1983 BA (1<sup>st</sup> Class Hons), Department of Architecture and Environmental Design, Nottingham University, UK.  
 1986 BArch (Distinction in Design and in Dissertation), School of Architecture, Manchester University, UK.  
 1991 PhD, Department of Architecture, Trinity College - Cambridge University, UK.  
 2002 MBA (Distinction), Warwick Business School, Warwick University, UK.

**EXPERIENCES**


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1988 - 1991 Design Architect, Yakeley Associate Architects, Cambridge  
 1991 - 1994 Lecturer, School of Architectural Studies, Sheffield University  
 1994 - 1995 Visiting Scholar, Department of Architecture, MIT  
 1995 - 1999 Lecturer & Senior Lecturer, School of Architecture, National University of Singapore  
 1999 - 2002 Associate Professor, School of Architecture, CUHK  
 1999 - 2011 Professor, Department of Architecture, CUHK  
 2011- 2014 Professor of Architecture, School of Architecture, CUHK  
 2014- Yao Ling Sun Endowed Chair Professor of Architecture, School of Architecture, CUHK

**Selected PROFESSIONAL MEMBERSHIPS**


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2009- Fellow, Royal Meteorological Society (FRMetS), UK  
 2008- Member, American Meteorological Society (AMS), USA  
 2003- Fellow, Royal Society of Arts (FRSA), UK  
 1988- Chartered Architect, Royal Institute of British Architects (RIBA), UK

**Selected research AWARDS**

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- 2011 University (CUHK) Research Excellence Award 2011/12
  - 2007 Runner up, RIBA Research Awards 2007 – Outstanding University Project Category
  - 2006 HKIA Journal 2005 Best Paper Award, Hong Kong Institute of Architects Journal, Hong Kong
  - 2006 PLEA Best Paper Award, Passive Low Energy Architecture International Conference, Geneva
  - 2006 Grand Award – Research and Planning Studies, Professional Green Building Council (PGBC) Awards.

**Selected honorary academic APPOINTMENTS**

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- Honorary Scientific Advisor, Hong Kong Observatory
  - Editorial Board Member, International Journal of Architectural Science Review, Australia
  - Editorial Board Member, Journal of Tropical Architecture, SCUT, China.

**Examples of RESEARCH PROJECTS**

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- Urban Climatic Mapping and Benchmarking of the urban wind environment of Hong Kong
  - Urban Climatic Mapping Studies for Singapore
  - Relating Ground Coverage and Building Density Parametrically with Air Ventilation for High Density Cities
  - Climate Change: Urban Temperature Profile and Energy Consumption of Buildings

**Recent PUBLICATIONS**


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Yuan, C; Ren C and Ng E. (2014) "GIS-based surface roughness evaluation in the urban planning system to improve the wind environment - A study in Wuhan, China". *Urban Climate* 10, 585-593. doi: 10.1016/j.uclim.2014.06.005.  
 Yim, S. Fung, J and Ng, E. (2014). An assessment indicator for air ventilation and pollutant dispersion potential in an urban canopy with complex natural terrain and significant wind variations. *Atmospheric Environment* vol.94 pp.297-306. 2014.05.15.  
 Goggins, W.B., Ren, C., Ng, E., Yang, C., & Chan, E.Y.Y. (2013). Effect modification of the association between meteorological variables and mortality by urban climatic conditions in a tropical city: Kaohsiung, Taiwan. *Environmental Health Perspectives*. [P136446] doi:10.1186/1476-069X-12-59. 2013.07.  
 Letzel, M.O., Helmke C., Ng, E., An, X., Raasch, S., Lai, A., (2013). LES Case Study on Pedestrian Level Ventilation in Two Neighborhoods in Hong Kong, *Meteorologische Zeitschrift* Vol. 21, No. 6, 575–589 (December 2012) doi: 10.1127/0941-2948/2012/0356  
 Ren, C., Lau, K.-I., Yiu, K.-p., & Ng, E. (2013) The Application of Urban Climatic Mapping to the Urban Planning of High-Density Cities: The Case of Kaohsiung, Taiwan, *Cities* Vol 31, April 2013, Pages 1–16 doi:10.1016/j.cities.2012.12.005

**Recent CONSULTANCY**


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Consultant, Air Ventilation Assessment for Indoor Recreation Centre in Area 14, Tuen Mun, for Architectural Services Department, HKSAR  
 AVA Consultant, Air Ventilation Assessment Submission –Air Ventilation Assessment Submission – Cat A. Expert Evaluation (PLNQ 37/2007), (PLNQ 35/2009) & (PLNQ 56/2012)