

EDUCATION

1983 **BA (1st 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

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**, Department of Architecture, CUHK
 2002 - 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

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

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

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)