BRIEF CURRICULUM VITAE OF JIN-GUANG TENG

NAME: Jin-Guang TENG **EMAIL ADDRESS:** cejgteng@polyu.edu.hk

ACADEMIC QUALIFICATIONS

BEng, Zhejiang University, China, 1983
PhD, University of Sydney, Australia, 1990

PREVIOUS ACADEMIC POSITIONS

May 1991-October 1994	Lecturer, Senior Lecturer, James Cook University, Queensland, Australia.
October 1994-December 2004	Lecturer/Assistant Professor, Associate Professor, Professor The Hong Kong Polytechnic University, Hong Kong, China

PRESENT ACADEMIC POSITION

Ko Jan Ming Professor in Sustainable Structures and Materials and Chair Professor of Structural Engineering, The Hong Kong Polytechnic University (PolyU), Hong Kong, China

PREVIOUS RELEVANT RESEARCH WORK

Main research areas:	FRP composites in construction; Thin-walled structures; Life-cycle performance of structures
Publications:	Around 190 SCI journal papers leading to over 6,400 citations and an H-index of 39 in the Web of Science Core Collection, 1 authored book, 2 edited books and 10 book chapters

PREVIOUS FUNDING RECORDS AND EXPERIENCE IN COORDINATING LARGE PROJECTS

- Principal Investigator (PI) of 18 GRF/CERG grants from the RGC over the past 20 annual rounds (GRF/CERG success rate as PI = 90%) plus numerous other research grants.
- Leader of the Structural Engineering Team with a grant value of over HK$7 million from PolyU, University ASD (Area of Strategic Development) in Advanced Buildings Technology in a Dense Urban Environment, July 2000-June 2002.
- Project Coordinator of the Niche Area Project "Intelligent High-Performance Structures" from PolyU with a grant value of over HK$16 million and Leader of the sub-project on "High-Performance Structures" with a grant value of over HK$8 million.
- Principal Investigator of Sub-project 1 of the 973 (National Basic Research Programme) project "Fundamental Research on the Use of FRP Composites to Achieve High Performance and Longevity for Major Structures." The budget of Sub-project 1 is RMB4.85 million.

PUBLICATION RECORDS

(A) Five most representative publications in recent five years

1. Zhang, B., Teng, J.G. and Yu, T. (2015). "Experimental behavior of hybrid FRP-concrete-steel double-skin tubular columns under combined axial compression and cyclic lateral loading", *Engineering Structures*, 99, 214-231.
2. Teng. J.G., Xiao, Q.G., Yu, T. and Lam, L. (2015). "Three-dimensional finite element analysis of reinforced concrete columns with FRP and/or steel confinement", *Engineering Structures*, 97, 15-28
3. Zhang, S.S. and Teng, J.G. (2014). "Finite element analysis of end cover separation in RC beams strengthened in flexure with FRP", *Engineering Structures*, 75, 550–560
4. Jiang, T. and Teng, J.G. (2013). "Behavior and design of slender FRP-confined circular RC columns", *Journal of Composites for Construction*, ASCE, 17(4), 443-453.

5. Chen, G.M., J.G. Teng and J.F. Chen (2011). "Finite element modeling of intermediate crack debonding in FRP-plated RC beams", *Journal of Composites for Construction*, ASCE, 15(3), 339-353.

(B) Five representative publications beyond the recent five-year period

1. Yu, T., Teng, J.G., Wong, Y.L. and Dong, S.L. (2010). "Finite element modeling of confined concrete-II: Plastic-damage model", *Engineering Structures*, 32(3), 680-691.
2. Lu, X.Z., Teng, J.G., Ye, L.P and Jiang, J.J. (2005). "Bond-slip models for FRP sheets/plates bonded to concrete", *Engineering Structures*, 27(6), 920-937.
3. Teng, J.G., Chen, J.F., Smith, S.T. and Lam, L. (2002). *FRP-Strengthened RC Structures*, John Wiley and Sons Ltd, UK, November, 245 pp.
4. Chen, J.F. and Teng, J.G. (2001). "Anchorage strength models for FRP and steel plates bonded to concrete", *Journal of Structural Engineering*, ASCE, 127(7), 784-791.
5. Teng, J.G. and Song, C.Y. (2001). "Numerical models for nonlinear analysis of elastic shells with eigenmode-affine imperfections", *International Journal of Solids and Structures*, 38(18), 3263-3280.

RECENT PRIZES AND AWARDS

- Corresponding Fellow, Royal Society of Edinburgh, 2015
- Fellow, Hong Kong Academy of Engineering Sciences, 2013
- State Natural Science Award of China (Second Class), 2013
- CICE 2010 Best Award for Best Paper for Research on Strengthening of Existing Structures, 2010
- IIFC Medal from the International Institute for FRP in Construction (IIFC), 2008
- ASCE (American Society of Civil Engineers) Journal of Composites for Construction Best Paper Award (Honourable Mention Applications Paper for 2007)
- ASCE State-of-the-Art of Civil Engineering Award, 2006
- Harting Award from the Society for Experimental Mechanics, 2005
- CICE 2004 Award for Best Paper for Research on FRP Composites for Structures, 2004
- Howard Medal from the Institution of Civil Engineers, UK, 2004
- Distinguished Young Scholar Award from the Natural Science Foundation of China (Category B: Overseas, Hong Kong and Macau Young Scholars), 2003
- ASCE Journal of Composites for Construction Best Paper Award (Honourable Mention Applications Paper for 2001)

SELECTED SCHOLARLY ACTIVITIES

- President, International Institute for FRP in Construction (IIFC), 2003-2006
- Editor-in-Chief, *Advances in Structural Engineering* since 2003
- Member of editorial board of 7 SCI journals including "Engineering Structures", "ASCE Journal of Composites for Construction", "ASCE Journal of Materials in Civil Engineering", "Thin-Walled Structures", and "Construction and Building Materials"
- Delivered over 70 keynote and invited presentations at conferences/symposia
- Member of scientific/academic/technical/advisory/steering committees of over 130 conferences/symposia

INDUSTRIAL CONSULTANCY

Provided consultancy services in many projects to local and overseas organisations including Fyfe (Hong Kong) Limited, China State Construction Engineering (Hong Kong) Limited, Chevalier Pipe Rehabilitation Hong Kong Ltd., Dextra Pacific Limited in Hong Kong, Teiborg, Sanders & Parks in the USA and Yau Lee Construction.