

# CURRICULUM VITAE

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## Personal Details

<b>Name</b>	Shan Huang
<b>E-mail</b>	s.huang@na-me.ac.uk
<b>Nationality</b>	British
<b>Current Position</b>	Professor of Subsea Engineering and Director of Post-Graduate Studies, Department of Naval Architecture and Marine Engineering, University of Strathclyde, Glasgow, UK

## Employment

12/1996 - present	Lecturer, Senior Lecturer (from 2002) and Professor (from 2008) at Department of Naval Architecture and Marine Engineering, University of Strathclyde, Glasgow, UK.
5/1995 - 11/1996	Principal Engineer at 2H Offshore Engineering Limited, Woking, England. Main projects include the following.
11/1992 - 4/1995	Postdoctoral Research Fellow at the Marine Technology Centre, University of Strathclyde.  Research into various offshore engineering problems, including launch and recovery of subsea modules, marine cable snap loading, an offshore emergency evacuation system, automatic control of tethered ROVs.
5/1985 - 9/1988	Assistant Research Engineer and then Research Engineer at the Ship Resistance and Performance Department of China Ship Scientific Research Centre.  Research in the area of naval-hydrodynamics, including flow around ship hulls and torpedoes, fast-speed hydrofoils, non-cavitating and partially-cavitating hydrofoils.

## EDUCATION

5/1989 - 6/1992	Ph.D. student at the Marine Technology Centre, University of Strathclyde, UK.
10/1988 - 4/1989	Ph.D. student at the Mechanical Engineering Department, Brunel University, UK.
9/1982 - 4/1985	MPhil student at the Post-Graduate School of China Ship Scientific Research Centre, Wuxi, China.
9/1978 - 7/1982	Undergraduate student at the Department of Naval Architecture, Huazhong University of Science and Technology, Wuhan, China.

## QUALIFICATION

1992	PhD in Ship and Marine Technology
1985	MPhil in Naval Hydrodynamics
1982	BEng in Naval Architecture

## Selected Papers

1. Huang, S, Khorasanchi, M, Herfjord, K (2009). Drag Amplification of Long Flexible Riser Models Undergoing Multi-mode VIV In Uniform Currents. Submitted to Journal of Fluids and Structures.
2. Huang, S. (2009). Instability Of A Vertical Riser In The Wake Of An Upstream Vertical Riser. Applied Ocean Research (in press).
3. Shan Huang and Andy Sworn (2006). VIV motion and Drag Amplification of Two Vibrating Cylinders in Cross Flow with One Placed in the Wake of the Other. Marine Systems & Ocean Technology, Vol 1 No 3.
4. R. Pascoal, S. Huang, N. Barltrop and C. Guedes Soares (2006). Assessment of an equivalent force model for the effect of mooring systems on the horizontal motions. Ocean Engineering, Vol 33, Issue 11-12.
5. R. Pascoal, S. Huang, N. Barltrop and C. Guedes Soares (2005). Equivalent model for the effect of mooring systems on the horizontal motions. Applied Ocean Research, Vol 27, 165-172.
6. S Huang and J Bolstad (2004). Wake shielding effects of three cylinders in currents. Journal of Hydrodynamics, Ser. B, No 3 Vol 16.
7. Wu, W., Huang, S., and Barltrop, N. (2003). Multiple Stable/Unstable Equilibria of a Cylinder in the Wake of an Upstream Cylinder. Journal of Offshore Mechanics and Arctic Engineering, Vol 125 No 2.
8. Wu, W., Huang, S., and Barltrop, N. (2002). Current induced instability of two circular cylinders. Applied Ocean Research, Vol 24.
9. S Huang and Robert Olsen (2002). Hydrodynamic Forces on Vertical Piggyback Cylinders in Regular Waves. International Journal of Offshore and Polar Engineering, Vol 12, No 4, 2002, ISSN 1053-5381.
10. W Wu, S Huang, N Barltrop (2002). Stationary and Hopf bifurcations of equilibrium positions of a cylinder situated in near and far wake fields of an upstream cylinder. International Journal of Offshore and Polar Engineering, Vol 12, No 1, pp31-33, 2002, ISSN 1053-5381.
11. Xie Nan, Kiern Dodworth, Dracos Vassalos, S Huang, Luca Letizia. Computation of Free Surface Turbulent Flow around a Wigley Hull. Journal of Ship Mechanics, Vol.4, No.6, 2001, ISSN 1007-7294.
12. S Huang, Dynamic stability of the heave motion of marine cable-body systems. Ocean Engineering, Vol 26, pp531-546, 1999, ISSN 0029-8018.
13. D Vassalos and S Huang, Non-linear dynamics of small-sagged taut-slack marine cables under parametric/external excitation. Computers & Structures, Vol. 58, No. 3, pp557-562, 1996, ISSN 0045-7949.
14. Huang, Shan. Analysis of three-dimensional cable dynamics. Ocean Engineering, Vol. 21, No. 6, pp587-605, 1994, ISSN 0029-8018.
15. S Huang and D Vassalos, A numerical method for predicting snap tension of marine cables. Applied Ocean Research, Vol. 15, No. 4, pp235-242, 1993, ISSN 0141-1187
16. Huang, Shan & Vassalos, D. A semi-analytic treatment of three-dimensional statics of marine cables. Ocean Engineering, Vol. 20, No. 4, pp409-420, 1993, ISSN 0029-8018.