

Biography of Prof. Dr. Decheng Wan

Chair Professor of Chang Jiang Scholar
Distinguished Professor of Shanghai Eastern Scholar
Distinguished Professor of Shanghai Jiao Tong University
Vice Director of Office of Research Management
Acting Director of Office of Advanced Technology Research
Head of Computational Marine Hydrodynamics Laboratory

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1. PROFESSIONAL BACKGROUND

1.1 Professional Experience

Professor, Shanghai Jiao Tong University, China	2006-present
Vice Dean of NAOCE, SJTU, China	2015-present
Dean Assistant of NAOCE, SJTU, China	2014-2015
Deputy Head of NAOE, SJTU, China	2011-2015
Deputy Director of Institute of Underwater Engineering, SJTU, China	2012-present
Head of Computational Marine Hydrodynamics Lab, SJTU, China	2012-present
Distinguished Professor of Shanghai Jiao Tong University	2015-present
Chair Professor of Chang Jiang Scholar, China	2014-present
Guest Professor of University of Strathclyde, UK	2015-present
Guest Professor of Dalian University of Technology, China	2014-present
Distinguished Professor of Shanghai Eastern Scholar, China	2008-present
Visiting Professor, Kyushu University, Japan	Nov.-Dec., 2015
Visiting Professor, University of Strathclyde, UK	Aug.-Sept., 2015
Visiting Professor, George Mason University, USA	Sept.-Dec., 2012
Visiting Professor, Michigan State University, USA	Jul.-Sept., 2010
Visiting Professor, The University of Hong Kong, Hong Kong	Jan.-Feb., 2008
Wissenschaftliche Angestellter, University of Dortmund, Germany	2001-2006
Senior Research Fellow, National University of Singapore, Singapore	1999-2001
Research Fellow of the Royal Society, University College London, UK	1998-1999
Associate Professor, Shanghai University, China	1996-1998
Lecturer, Shanghai University, China	1994-1996

1.2 Education

Ph.D.	Marine Hydrodynamics and Computational Fluid Dynamics, Shanghai Jiao Tong University, China	1990-1994
M.Sc.	Theory of Ship Viscous Boundary Layer, Dalian University of	1997-1990



Technology, China
B.Sc. Design and Principle of Ship, Dalian University of Technology, 1983-1987
China

1.3 Professional Associations

- Associate Editor and Executive Member of Editorial Board, Journal of Hydrodynamics
- Member of Editorial Board, Ocean Engineering
- Member of Editorial Board, Journal of Shipping and Ocean Engineering
- Member of Editorial Board, Journal of Ocean Engineering and Science
- Member of Editorial Board, China Ocean Engineering
- Member of Editorial Board, Journal of Ocean and Wind Energy
- Member of Editorial Board, Journal of Marine Science and Applications
- Member of Editorial Board, Journal of Ship Mechanics
- Member of Editorial Board, Journal of China Ship Research
- Member of Editorial Board, Journal of Chinese Quarterly of Mechanics
- Guest Editor, International Journal of Naval Architecture and Ocean Engineering
- Members of Board of Directors and Technical Program Committee (TPC), International Society of Offshore and Polar Engineering (ISOPE)
- Chair of International Hydrodynamic Committee, International Society of Offshore and Polar Engineering (ISOPE)
- Member of Advisory Committee, International Towing Tank Conference (ITTC)
- Member of Energy Saving Method Specialist Committee, International Towing Tank Conference (ITTC)
- Member of Steering Committee, CFD Workshops in Ship Hydrodynamics
- Member of Advisory Committee, International Towing Tank Conference (ITTC)
- Chair of International Scientific Committee of OpenFOAM Workshop 2017-2018
- Member of External Advisory Committee (EAC) of the Department of Ocean Systems Engineering (OSE) of Korea Advanced Institute of Science and Technology(KAIST)
- Council Member of Association of Global Chinese Computational Mechanics, Hong Kong
- Director, Division of Young Researcher and Scientist, Shanghai Society of Theoretical and Applied Mechanics, China
- Deputy Head, Division of High Performance Ship, Chinese Society of Ship Mechanics, China
- Panel Member of Experts for Project Review and Evaluation, National Natural Science Foundation of China
- Member of International Society of Applied Mathematics and Mechanics

2. AWARDS

2006

- (1) Direct Numerical Simulation of Sedimentation and Lift-up of Rigid Particles in Viscous Flows, *Pearl River*, No.6, 2006, pp29-36. Excellent paper published in 2005-2006 in Journal of “*Pearl River*”, China

2007

- (1) Selected into the program of Shanghai Municipal Pujiang Talent Plans
- (2) Selected into the program for New Century Excellent Talents in University of Ministry of Education of China

2008



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- (1) Appointed as Chair Professor of Shanghai Eastern Scholar
 - (2) Award the Shanghai Science and Technology Talent Magnolia Fund
- 2009**
- (1) Promoted to the Third Level Professor of Shanghai Jiao Tong University
- 2010**
- (1) Award Excellent Teacher of Shanghai Jiao Tong University
 - (2) A principal in charge of the course Marine Hydrodynamics which is awarded Topnotch Courses of Shanghai Jiao Tong University
- 2011**
- (1) Award the Shanghai Science and Technology Talent Magnolia Fund
- 2012**
- (1) Award the Best Session Organizer of the year 2012 of the International Society of Offshore and Polar Engineers.
- 2013**
- (1) Appointed as Honor Distinguished Professor of Shanghai Eastern Scholar
 - (2) Award Excellent Teacher of Shanghai Jiao Tong University
- 2014**
- (1) Award the Excellent Supervisor of top 1% Bachelor of Shanghai Jiao Tong University
 - (2) Promoted to Chair Professor of Chang Jiang Scholar
- 2015**
- (1) Promoted to Distinguished Professor of Shanghai Jiao Tong University
 - (2) Award Key Course of Shanghai Education Council
- 2016**
- (1) Award Excellent Teacher of Shanghai Jiao Tong University
 - (2) A principal in charge of the course Marine Hydrodynamics which is awarded Topnotch Courses of Shanghai Higher University
- 2017**
- (1) Award Shanghai Excellent Academic Leaders

3. RESEARCH INTERESTS

Prof. Decheng Wan's research interest is mainly on computational marine and coastal hydrodynamics, numerical marine basin, nonlinear wave theory, wave loads on structures, numerical analysis of riser vortex-induced vibration (VIV) and platform vortex-induced motion (VIM), fluid-structure interaction, offshore wind turbine and other offshore renewable resources, as well as high performance computation on complex ship and ocean engineering flows, etc.

4. ISOPE AND PACOMS: ISOPE member (1996~), Member of TPC (2006~) and Vice Chair of hydrodynamics committee (2016~), Co-organizers of sloshing special session (2014~), floating body in waves session (2011~), fluid-structure interaction session (2012~), computational marine hydrodynamics session (2013~). Co-host PACOMS-2014 Shanghai. Editorial board member of ISOPE Journal of Ocean and Wind Energy (2014~). ISOPE corporate membership for SJTU (2014).

5. PUBLICATIONS: 380+ publications and presentations and keynote addresses.