## Xiaoxia Dong

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Education	Massachusetts Institute of TechnologyCambridge MA, USA GPA: 4.M.S. in Mechanical Engineering, Minor in Applied Math.Feb. 2007.	.8/5.0
	Thesis: Boundary Element Simulation of Oscillating Foil with Leading-edge Separat	ion.
	<b>University of Science and Technology of China</b> Hefei, China GPA: 3. <b>B.S. in Thermal Science and Energy Engineering</b> , July 2002.	.8/4.0
	Thesis: Renormalization Group Theory Applied to Turbulence.	
Experience	Freelance TranslatorShijiazhuang, ClJuly 2011 to presentShijiazhuang, Cl	
	<ul> <li>Translation from English to Chinese and from Chinese to English in fields of engineering, energy, automobile, IT, and finance.</li> <li>Translated one ten-thousand-word book from English to Chinese.</li> </ul>	
	Tianwei SolutionBeijing, ClJune 2009 to June 2011International Action Series	hina
	Responsible for translation and international cooperation.	
	Massachusetts Institute of TechnologyCambridge MA,Research Assistant in Chemical Engineering. Dec. 2006 to Jan. 2009.	USA
	• Developed the methodology to control errors for the simulation of gas combusing different chemical mechanisms in different regions of the computa domain.	
	<ul> <li>Implemented the methodology in perfectly-stirred reactor.</li> <li>Generalized the methodology to 2D steady reacting flow problems.</li> </ul>	
	<ul> <li>Massachusetts Institute of Technology Cambridge MA, Research Assistant in Mechanical Engineering. June 2003 to Dec. 2006.</li> <li>Trained modeling for large eddy simulation for the two phase flow of steep bree waves using direct numerical simulation.</li> <li>Constructed modeling for Reynolds-averaged Navior-Stokes simulation for the phase flow of steep breaking waves by direct numerical simulation.</li> <li>Developed modeling for leading-edge separation in boundary element simulation oscillating foil.</li> </ul>	eaking e two
Awards	Graduate Assistantship, 2003~2009, MIT	
	Chyn Duog Shiah Memorial Fellowship, 2002~2003, MIT.	
	Outstanding Student Fellowship, 1999~2002, USTC.	
	ZHANGZONGZHI Sci. & Tech. Fellowship, 1998~1999, USTC.	
	GUANGHUA Fellowship, 1997~1998, USTC.	
	Outstanding Incoming Student Fellowship, 1997, USTC.	
Skills	Software: SDLX, Trados, Latex, MS office, photoshop.	

Operating System: Windows 7/XP.

Activities MIT Vortical Flow Research Lab, serving as Administrator, September 2005-June 2006.

MIT Ashdown House (graduate students residence building), serving as Chair of Ashdown House, September 2003~June 2004.

MIT Chinese Students and Scholars Association, Serving as Chair of incoming students Committee, July 2003~December 2003.

MIT International Graduate Student Mentoring Program, Department of Mechanical Engineering, serving as Mentor for international graduate students, July~August 2003.

Publications Dong X. (Translated), Great land battles of world war II. In press, 2012.

Dong X. and Green W., *Error control of model reduction by linearized quasi steady state approximation*. Eastern States Meeting of the Combustion Institute, Charlottesville, Virginia. October 2007.

Dong X., *Boundary Element Simulation of Oscillating Foil with Leading-edge Separation*. M.S. Thesis. February 2007.

Zhu Q., Dong X., Triantafyllou M.S., Yue D.K.P., *A Boundary Element Simulation of Flapping Foils with Leading-Edge Separations*. 58th American Physical Society Division of Fluid Dynamics Annual Meeting, Chicago, IL. 2005.

Dommermuth D. G., O'Shea T., Hendrickson K., Dong X., Weymouth G., Yue D.K.P., *Modeling Breaking Ship Waves for Design and Analysis of Naval Vessels Challenge Project C1V.* 2005 Department of Defence Users Group Conference (DOD-UGC'05).

Yue D.K.P., Hendrickson K., Weymouth G., and Dong X., *Ship Breaking Waves Simulations and Modeling*. Presentation for the Ship Wave Breaking and Bubbly Flow Review, Reston, VA. 2005

Liu S., Hendrickson K., Dong X., Shen L. and Yue D.K.P., *Numerical investigation of coupled boundary layers air-sea transfer (CBLAST) at small scales.* 16th Symposium on Boundary Layers and Turbulence, Portland, ME. 2004.

Yue D.K.P., Dong X., Hendrickson K. and Shen L., *Steep Breaking Waves: Their Dynamics and Modeling using LES, LWS anad RANS.* Presentation for the Ship Wave Breaking and Bubbly Flow Review, Pasadena, CA. 2003.

Yue D.K.P., Dong X., Hendrickson K., Kiara A. and Shen L., *Using DNS and LES/LWS to Develop RANS Modeling for Breaking Ship Waves*. Presentation to the Office of Naval Research, Washington, DC. 2003.