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Field of interests		
<ul style="list-style-type: none"> • Energy modeling and scenario planning • Fluid dynamics and multiphase flow 		
Education		
<i>Tokyo Institute of Technology</i> Tokyo, Japan Nuclear Engineering (Doctor of Engineering)	2001-2004	
<i>Chulalongkorn University</i> Bangkok, Thailand Mechanical Engineering (Master degree)	1998-2001	
<i>Chulalongkorn University</i> Bangkok, Thailand Mechanical Engineering (Bachelor degree)	1995-1998	
Academic research and training		
<i>Research Center of Rossendorf (FZR)</i> Dresden, Germany <ul style="list-style-type: none"> • Visitor in the department of Experimental Thermal Fluid Dynamic, Institute of Safety Research for Nuclear Reactor. • Advance two-phase flow instrumentation: Experiment and Modeling. 	9/2003	
<i>Japan Atomic Energy Research Institute (JAERI)</i> Ibaraki, Japan <ul style="list-style-type: none"> • Visitor in Tokai Research Establishment. • Experimental study on the simple nuclear reactor: classification, component, basic principle and operation. 	7/2002	
<i>Energy Research Institute (ERI)</i> Bangkok, Thailand <ul style="list-style-type: none"> • Assistant researcher in the project of Engine modification for hydrogen as the alternative fuel. • Development of the mechanical system for hydrogen fuel injection. 	(2000)	
<i>Siam Koshi Manufacturing Ltd.</i> Rayong, Thailand <ul style="list-style-type: none"> • Trainee in the new model manufacturing division for exhaust pipe of the motorcycle. • Adaptation and making the product prototype for the manufacturing line. 	3/1997	

Scholarship and Funding	
<ul style="list-style-type: none"> Japanese Government Scholarship (Monbusho) Research fund for graduated student from National Energy Policy Office (NEPO) 	<p>2001-2004</p> <p>(2000)</p>
Working experiences	
<p><i>Ministry of Energy</i> Bangkok, Thailand</p> <p>Regional Energy Planning project (REP)</p> <p><u>Position:</u> Training coordinator (full-time)</p> <ul style="list-style-type: none"> Scenario planning at national level (Thailand Energy Outlook 2030) using LEAP accounting tool Training coordinator on capacity building for regional energy planning <p><i>Chulalongkorn University</i> Bangkok, Thailand</p> <p>Department of Nuclear engineering</p> <p><u>Position:</u> Full-time invited lecturer</p> <ul style="list-style-type: none"> Course: Introduction to two-phase flow 	<p>2006-2007</p> <p>2005-2006</p>
Certification	
<p><i>Application of Energy Statistics in ASEAN</i> Thailand ASEAN Center for Energy (ACE) and Institute of Energy Economics, Japan (IEEJ)</p> <p><i>Wind Energy Technology and Project Development</i> Thailand EU–Thailand Economic Cooperation and Asian Institute of Technology (AIT)</p> <p><i>Energy Scenarios using LEAP Accounting Tool</i> Thailand Joint Graduate School of Energy and Environment (JGSEE) and Stockholm Environment Institute (SEI)</p> <p><i>Radiation Protection for Radiation Safety Supervisor</i> Thailand Office of Atoms for Peace (OAP) and Japan Atomic Energy Research Institute (JAERI)</p>	<p>1/2007</p> <p>9/2006</p> <p>3/2006</p> <p>6/2005</p>
Publications	
Journal papers	

- W. Wanjiraniran, M. Aritomi, H. Kikura, Y. Motegi, and H.-M. Prasser, A Study of Non-Symmetric Air Water Flow Using Wire Mesh Sensor, *Special issue of Experimental Thermal and Fluid Science*.
- W. Wanjiraniran, Y. Motegi, S. Richter, H. Kikura, M. Aritomi, and K. Yamamoto, Intrusive Effect of Wire Mesh Tomography On Gas-liquid Flow Measurement, *Journal of Nuclear Science and Technology*, (2003), Vol. 40, No.11, pp. 932-940.

Meeting

- W. Wanjiraniran, S. Nitsuwankosit, N. Chankaw, Current Status of Nuclear Engineering Education in Thailand, *Proc. of the 3rd Asian Specialist Meeting on Future Small-Sized LWR development*, Yogyakarta, Indonesia, Nov, 22-24 (2005)
- W. Wanjiraniran, M. Aritomi, H. Kikura, Y. Motegi, and H.-M. Prasser, A Study of Non-Symmetric Air Water Flow Using Wire Mesh Sensor, *3rd European-Japanese Two-Phase Flow Group Meeting*, Certosa di Pontignano, Italy, Sep. 21-27 (2003).

Conferences

- W. Wanjiraniran, Y. Motegi, S. Richter, H. Kikura, M. Aritomi, and K. Yamamoto, Visualization and Velocity field of Bubbly flow Using Wire Mesh Tomography, *7th Asian Symposium on Visualization*, National University of Singapore, Nov. 3-7 (2003), Paper No. 2A-2.
- W. Wanjiraniran, Y. Motegi, H. Kikura, M. Aritomi, S. Richter, and K. Yamamoto, A Study of Bubbly Flow Characteristics in a Vertical Tube Using Wire Mesh Tomography, *11th International Conference on Nuclear Engineering*, Tokyo, Japan, Apr. 20-23 (2003), Paper No. 36075.
- W. Wanjiraniran, Y. Motegi, H. Kikura, M. Aritomi, S. Richter, and K. Yamamoto, Intrusive Effect on Gas-liquid Flow Measurement by Wire Mesh tomography, *5th Workshop on Measurement Techniques for Steady and Transient Multiphase Flows*, Dresden, Germany, Sep. 18-20 (2002).
- W. Wanjiraniran, Y. Motegi, S. Richter, H. Kikura, M. Aritomi, and K. Yamamoto, Study on the Influence of Sampling Frequency of a Wire Mesh Tomography on Measured Characteristics of Gas-liquid Flow, *10th International Symposium on Visualization*, Kyoto, Japan, Aug. 22-29 (2002), Paper No.0091.
- W. Wanjiraniran, and Bunyajitradulya, Temperature Distribution in Non-Zero Circulation Swirling Jet in Crossflow, *Proceeding of The Fifteenth Mechanical Engineering Network Conference*, Thailand, (2001), Vol. 1, pp.TF104-TF116.
- W. Wanjiraniran, P. Uppatharmnarakorn, and A. Bunyajitradulya, On the Decay of Characteristic Mean Temperature of A Heated Swirling Jet, *Proceeding of The Thirteenth National Mechanical Engineering Conference*, Thailand, (1999), Vol. 1, pp. 17-21.