Name: Md. Raisul Islam

E-mail: mpemri@nus.edu.sg

Education:

- PhD (Mech. Eng), National University of Singapore, 1998 – 2002.
- Master of Engineering (Energy Technology), Asian Institute of Technology, Bangkok, Thailand, 1994 – 1995.
- BSc (Mech. Eng), Bangladesh University of Engineering and Technology, 1984 – 1989.

Experience:

- **Teaching Assistant,** Thermodynamics Division, Mechanical Engineering Department, National University of Singapore, 2003 – Present.
- **Research Fellow,** Thermodynamics Division, Mechanical Engineering Department, National University of Singapore, 2001 – 2002.
- **Senior Engineer,** Federal Electric Corp., Ltd., (SHARP), Thailand, 1997 – 1998.
- **Research Associate,** Energy program, Asian Institute of Technology, Bangkok, Thailand, 1995 – 1997.
- **Lecturer,** Mechanical Engineering Department, Bangladesh Institute of Technology, Rajshahi, 1990 – 1993.

Professional Body:

- Member of The Institution of Engineers Bangladesh, 1996 – Present.
- Member of Asian Institute of Technology Alumni Association (AITAA), Bangkok, Thailand, 1995 – Present.

Research Area:

Multi-Mode (conduction, convection, radiation, microwave, pressure and vibration) Heat Pump drying system, Absorption refrigeration system, Spouted bed gasification.

Publication (Selected):

Islam, M.R.; Ho, J.C.; Mujumdar, A.S. (2003) Simulation of Liquid Diffusion-Controlled Drying of Shrinking Thin Slabs Subjected to Multiple Heat Sources. *Drying Technology – An International Journal*, 21 (3).

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Jia, L.W.; Islam, M.R.; Mujumdar, A.S. (2002) A Simulation Study on Convection and Microwave Drying of Different Food Products. *Drying Technology – An International Journal* – Submitted.

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Islam, M.R.; Wijeysundera, N.E.; Ho, J.C. (2002) Performance Study of a Falling-Film Absorber with a Film-Inverting Configuration, *International Journal of Refrigeration* - Submitted – Accepted with minor modification.

Islam, M.R.; Mujumdar, A.S. (2002) Periodic Multi-mode Batch Drying of Heat-Sensitive Materials-Engineering Applications of the Diffusion Equation, Drying of Products of Biological Origin (Book Chapter), Editor: Arun S. Mujumdar – Submitted.

Patent:

Wijeysundera, N.E.; Ho J.C.; Islam, M.R. (2002) A Novel Design of Absorbers for Vapor-Absorption Cooling Systems, *US Provisional Patent Application*, Submitted.

Contact: Email: mpeasm@nus.edu.sg or mpemri@nus.edu.sg
Address: Mechanical Engineering Department, National university of Singapore (119260); Tel.: (65) 68744623