



Rizwan Ahmed Memon

1/9-A, Baldia Colony Hyderabad, Sindh, Pakistan.

Phone: Home: (92) 22-2610347

Office: (92) 22-2771275

Fax. (92) 22-2771382

E-mail: rizwanhashmani@hotmail.com

rizwanhashmani@yahoo.com

Goal

I plan to make contribution in the field of Energy and Environment by doing research and development. Based on my research, I would like to develop products, product standards and design energy efficient and environment friendly systems of value to both the common people as well as developed industries. I also desire to transfer the knowledge to the young generation by teaching and training.

Education

2005-2009:

- Doctor of Philosophy (Ph.D.) in the field of Energy and Environment from the University of Hong Kong (HKU), Hong Kong.

2003–2005:

- Master of Engineering (M.E.) in the Energy field of Study from Asian Institute of Technology (AIT), Thailand.

1990–1995:

- Bachelor of Engineering (B.E.) in Mechanical Engineering from Mehran University of Engineering and Technology (MUET), Jamshoro, Pakistan.

Experience

2009-Present:

- Professor in the department of Mechanical Engineering, MUET, Jamshoro, Pakistan.
- Teaching the subjects of Energy Systems for Buildings, Advance Fluid Mechanics to the postgraduate students and Maintenance Engineering and Fluid Mechanics to undergraduate students.
- Responsible for establishing and updating syllabus for undergraduate and postgraduate students.

2001–2003:

- Deliver lectures to the undergraduate students at MUET, Jamshoro, Pakistan.
- Implementation of Quality Management System (QMS) ISO-9000 at MUET, Pakistan.

1995–2001:

- Quality Assurance Engineer in the United Refrigeration Industries Ltd. (URIL), Pakistan.
- Implementation of Quality Management System (QMS) ISO-9000 in URIL, Pakistan.

Achievements and Awards

- Full scholarship by the Norwegian Agency for International Development Cooperation (NORAD) for the degree of Master of Engineering (M.E.) at AIT, Thailand.
- Studentship by the University of Hong Kong (HKU), Hong Kong for the degree of Doctor of Philosophy (PhD).
- Implementation of Quality Management System (QMS) ISO-9000 both in MUET, Jamshoro and URIL, Pakistan.

Skills

- Applications of windows such as M.S word, Excel etc.
- Building Energy Simulation Programs such as EnergyPlus and Trnsys (Transient System Simulation Program) and Computational Fluid Dynamics (CFD) simulation software Fluent 6.3.

List of Publications

1	Memon RA , Leung DYC (2011). On the heating environment in street canyon. Environmental Fluid Mechanics 11 (5) 465-480. ISSN#1567-7419 (print version), ISSN#1573-1510 (electronic version), Imp. Fact.: 1.6
2	Memon RA , Leung DYC, Liu CH (2010). Effects of building aspect ratio and wind speed on air temperatures in urban-like street canyons. Building and Environment 45, 176-188. ISSN#0360-1323; Imp. Fact.: 2.1
3	Memon RA , Leung DYC, Liu CH, Leung MKH (2010). Urban Heat Island and its effect on the cooling and heating demands in urban and suburban areas of Hong Kong. Theoretical and applied climatology 103, 441-450. ISSN: 0177-798X (print version); ISSN: 1434-4483 (electronic version); Imp. Fact.: 1.7
4	Memon RA , Leung DYC (2010). Impacts of environmental factors on urban heating. Journal of Environmental Sciences-China 22, 1903-1909. ISSN#: 1001-0742; Imp. Fact.: 1.5
5	Memon RA , Leung DYC, Liu CH (2009). An investigation of urban heat island intensity as an indicator of urban heating. Atmospheric Research 94, 491-500. ISSN#0169-8095; Imp. Fact.: 1.7
6	Memon RA , Chirarattananon S, Vangtook P (2008). Thermal comfort assessment and application of radiant cooling: A case study. Building and Environment 43, 1185-1196. ISSN#0360-1323; Imp. Fact.: 2.1
7	Memon RA , Leung DYC, Liu CH (2008). A review on the generation, determination and mitigation of urban heat island. Journal of Environmental Sciences-china 20, 120-128. ISSN#: 1001-0742; Imp. Fact.: 1.5
8	Memon RA , Tunio AH, Lal K (2011). Impact of aspect ratio and solar heating on street canyon air temperature. Mehran University Research Journal of Science and Technology 30 (1): 105-116. ISSN#0254-7821.
9	Memon RA , Uqaili MA, Hashmani AA (2011). Modeling the effect of wider canyons on urban heating. Mehran University Research Journal of Science and Technology 30 (2): 255-264.

10	Memon RA , Uqaili MA, Hashmani AA (2011). Heat removal under various wind speeds. Mehran University Research Journal of Science and Technology 30 (3): 427-434.
11	Hashmani AA, Uqaili MA, Memon RA (2011). Mode Selective damping of electromechanical oscillations using supplementary remote signals and design of delay compensator. Mehran University Research Journal of Science and Technology 30 (1): 117-124.
12	Hashmani AA, Uqaili MA, Memon RA (2011). Delayed input wide area power system stabilizer for mode selective damping of power system electromechanical oscillations. Mehran University Research Journal of Science and Technology 30 (2): 289-296.
13	Tunio AH, Tunio SQ, Memon RA (2010). Effects of water saturation on kinetics of web-combustion. Mehran University Research Journal of Science and Technology 29 (1): 169-180.

CONFERENCES:

1	Soomro MI, Memon RA and Harijan K. (2012). Energy savings and CO ₂ reduction through solar water heater technology in Sindh Pakistan. 3rd International conference on mechanical and manufacturing engineering 2012 (ICME2012), Malaysia, November 20-21.
2	Memon RA , Leung DYC and Liu Chun-Ho (2008). Impacts of important environmental variables on urban heating. In: Conference on Climate change and urban design, Oslo, Norway, September 14 to 16.