



Dr. Khandkar Aftab Hossain
Professor

Research Area Fluid Dynamics

Education

Biography

Dear Visitor(s). Assalamu Alaikum. Welcome to my personal webpage. With the help of almighty Allah I admitted the Khulna Engineering College in 1977 as first year student which is 13 Km away from the main city. The Khulna Engineering college now became the Khulna University of Engineering & Technology at 1st September, 2001. I joined as Lecturer in 1983 and promoted to Professor in 2001. I completed my Ph. D. work in 1996. I did my research work numerically on Fluid Dynamics and Heat transfer. Now, still I am doing research work on Fluid Dynamics and Heat Transfer numerically. The internal and external problems of Fluid Dynamic and Heat Transfer are investigated with source code written in FORTRAN language. I was chairman of International Conference on Mechanical, Industrial and Energy Engineering, 2010 (ICMIEE2010)

Research Interest

Fluid Dynamics

Fluid Mechanics, Fluid Dynamics, Computational Fluid Dynamics, Heat Transfer, Heat Exchanger, Earth Tube Heat Exchanger, Research on submerged objects, Enclosure, Wind turbine and Current Turbine.

Publication

Books

1. Hossain, H. and A. K. (1999), **Fluid Mechanics and Machineries which is selected as text book for Bangladesh Technical Education Board, Dhaka**, Bangladesh Technical Education Board

Journals

- (June, 2013), "Free Convective Heat Transfer From an Object at Low Rayleigh Number," **Journal of Mechanical Engineering, Transaction of the Mech. Eng. Div., The Institution of Engineers, Bangladesh**, vol. 43, no. 1, pp. 23-28
- (May, 2011), "Free Convection Heat Transfer from Heated Object in a Container," **ISESCO Science and Technology Vision**, vol. 7, no. 11, pp. 64-70
- Asif, M. R. and Hossain, M. S. H. a. K. A. (April, 2011), "Heat Transfer in a Rectangular Enclosure with Baffles.," **ARP Journal of Engineering and Applied Sciences**, vol. 6, no. 4, pp. 29-41
- (May, 2010), "Flow Characteristics of Round Air Jet over a Rectangular Cavity.," **ISESCO Science and Technology Vision**, vol. 6, no. 9, pp. 70-74
- Uddin, M. M. K. and Hossain, M. S. I. a. K. A. (November, 2009), "Effect of Reynolds Numbers on Fluid Flow and Heat Transfer Characteristic Over a Rectangular Prism in Uniform Flow," **ISESCO Science and Technology Vision**, vol. 5, no. 8, pp. 35-39

Conference

- Ferdous, A. and Hossain, M. H. a. K. A. (26-27 December, 2014), "Effect of Location of Cambered Spoiler on Aerodynamic Characteristics of a Car," **International Conference on Mechanical, Industrial and Energy Engineering 2014**,
- Muntasir, S. M. and Hossain, M. Z. I. Z. a. K. A. (1-3 May 2014), "Numerical Study on Heat Transfer Characteristics with Square Heated Object in an Enclosure.,"