Distinguished Researcher

- **Name:** Md Azizur
- **Surname:** Rahman
- **Nationality:** Canadian
- **University:** Memorial University of New foundland, Canada
- **Project Titles :**
  1- Interior permanent magnet (IPM) motors
  2- Power transformer protection
  3- Bearingless electric motor drives

Abstract

Prof.Md. Azizur Rahman is a world's leading expert in electric machines designing, in particular for starting and control of highly efficient interior permanent magnet motors and associated drive systems. He has made seminal contributions to the analysis, development and applications of high performance motors, core losses in large generators, field analysis of polyphones hysteretic motors, field-circuit analysis of interior permanent magnet motors and control of bearing less drives. His other innovative works include pulse-width, delta and wavelet modulated inverters. His research on intelligent controllers demonstrates a deep insight into real-time implementation of artificial neural network, fuzzy logic, genetic and wavelet algorithms for motor drives, protection of power transformers and advanced bearing less motion control systems.

The strength of Professor Rahman's sustained works on electric motors, power transformer protection, delta modulated inverters and bearing less motor drive lies in the combination of solid analytical insights, experimental bias and thorough appreciation of successful industrial applications.

He has received numerous awards and recognitions including out standing achievement awards of three major IEEE Societies (Industry Applications Society in 2004). The measure of his excellent contributions may be also judged from his many consulting appointments to power industries and utilities at home and abroad.