Industrial Engineering in conjunction with the Student Chapters organizes a Seminar Series throughout the year. Various topics will be covered by industry and academic experts. Seminar topics, location and a short abstract and bio about the presenters will be available here as it becomes available.

**Advances In Quality And Reliability Related Manufacturing Practices**

**Friday, June 12, 2015**

**SPEAKER: Dr. Azharul Karim**

Senior Lecturer and Course Leader: Master of Engineering Management Mechanical Engineering Discipline, Science and Engineering Faculty Queensland University of Technology Brisbane, Queensland, Australia
Date: Friday, June 12, 2015
Place: E101, Engineering Building, Lawrence Technological University
21000 West Ten Mile Road, Southfield, MI 48075
Time: 12:00 PM to 1:30 PM

There is a FREE event! Pizza and drinks will be provided.

Register here

Summary of the Talk: The manufacturing sector plays an important role in the economy of many countries. For example, in Australia it was the single largest contributor to the GDP (11.3%) and directly employed about 11% of the total employment in 2012. Intense global competition, rapid technological changes, advances in manufacturing and information technology and discerning customers are forcing manufacturers to adopt manufacturing practices and competitive priorities that enable them to deliver high quality products in a short period of time. Identifying manufacturers’ competitive priorities and effective manufacturing practices has long been considered one of the key elements in manufacturing strategy research. This seminar presents the results of a study conducted to identify the effective manufacturing practices that have a significant influence on manufacturing performance.

This talk will answer the following questions:

- What are the challenges faced by manufacturers organisations today?
- What are the possible ways to overcome these difficulties?
- What manufacturing practices significantly contribute to performance
improvements?

- What are the pre-conditions for acquiring such manufacturing practices?

Answers of these questions will be based on a comprehensive study conducted both in Australia and Malaysia. A comparison and contrast of current manufacturing practices in these two countries will be presented. Some promising research directions, including manufacturing data mining, will be outlined.

Speaker Biography

Dr. Azharul Karim is a Senior Lecturer at the Queensland University of Technology, Queensland where he is working as a faculty member since 2008. Dr. Karim has received over AS$2 million in research funding since 1999. Previously he was a research fellow at the Department of Management, RMIT University, Head of R&D (Product development), JCS Automation Pte Ltd Singapore, Operations Engineer, Facilitic Services Pte Ltd, Singapore and Lecturer, Department of Mechanical Engineering, Bangladesh University of Engineering & Technology. Dr Karim’s main areas of research are effective manufacturing strategies and practices, lean manufacturing and manufacturing data mining, product quality and reliability improvement, solar drying and air conditioning and thermal storage. He received PhD in Engineering from The University of Melbourne, Australia, MS from National University of Singapore and BS in Mechanical Engineering from CUET, Bangladesh. Dr. Karim is a member of Engineers Australia, IEEE, and IEEE Reliability Society

For additional information on the IE Seminar Series, please contact:

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