

WEBINAR

Research Techniques for Engineering-Based Problems?

Marine Engineering and Naval Architecture Technical Division

There will always be problems to be solved around us. As long as there are needs to be served, problems will be there preventing them from being fulfilled. Engineering-based problems are unique. Normally, an engineer will try the best to provide the quickest solutions. The understanding of the problems may not be as systematic as one would hope for. And, this impromptu approach in solving problems normally lead to half-baked solutions and derivative problems. The prerequisite to solving any problem is to be able to fully understand the problem in hand. There are many research techniques available for engineers to use in order to understand the underlying issues in the problems faced. A proper understanding of the problem will allow the engineer to explore different path of determining the best solutions. In this talk, I will share some research techniques employed by researchers in academia to solve some of the technical and engineering-based problems. The sharing will enable listeners to appreciate the general processes for problem-solving especially in complex and multi-faceted engineering problems.

SPEAKER

Ir. Prof. Dr. Mohd Rizal Arshad

Ir. Prof. Dr. Mohd Rizal Arshad has been working at Universiti Sains Malaysia (USM), Malaysia as full-time academics since March, 1999. He graduated from University of Liverpool in 1994 with a B.Eng. in Medical Electronics and Instrumentation. He then pursued his MSc. in Electronic Control Engineering at the University of Salford and graduated in Dec. 1995. In early 1999, he completed his Ph.D degree in Electronic Engineering from the University of Liverpool, UK. He is a Full Professor at the School of Electrical and Electronic Engineering, USM and currently, seconded to Universiti Malaysia Perlis (UniMAP) as the Deputy Vice Chancellor for Academic and International. He is the President of Malaysian Society for Automatic Control Engineers (MACE), Past-Chair of IEEE Oceanic Engineering Society Malaysia Chapter and committee member for IEM Marine Engineering and Naval Architecture Technical Division (MNATD).



Tuesday | 19 May 2020 | 3PM - 5PM

Free admission for members | Register online