

Topic: Engineering Data Analytics for Energy Efficiency and Predictive Maintenance

Date: Saturday , 10th of Feb 2018

Schedule : 1530 to 1600 hrs. Registration
1600 to 1730 hrs. techTalk
1730 to 1800 hrs Networking Hi Tea

Venue: The Chancery, Lavelle Road, Near M.Chinnaswamy stadium , Bangalore-1. (Entry from St. Marks Church side – MG Road. 2nd building on right)

Speaker: Dr. G. K. Raviprakash, Principal Consultant, Infosys Limited

Abstract:

The speaker will share his rich global experience with engineering analytics in multiple domains.

The talk will present engineering data analytics methods for implementing Industry 4.0 in predictive maintenance of assets. Optimizing the utilization and improving energy efficiency is one of the main priorities of Industry 4.0. The machine learning methods to improve energy efficiency of chillers will be presented. The approach developed uses domain knowledge and the combination of several Machine Learning methods. The detection of events leading to maintenance, diagnostics and prognostics will be discussed.

Speaker Profile:

Dr Raviprakash is a Principal Consultant, Advanced Engineering Group - Engineering Data Analytics and Numerical Methods, Infosys Ltd.

Prior to Infosys, Dr Raviprakash worked in the US as Engineering Specialist at Jacobs, Houston; Aerospace Engineer Staff at Lockheed Martin, Houston; and as research specialist and Graduate Research Assistant at University of Tennessee Space Institute, Tullahoma.

His expertise is in Engineering Data Analytics, Numerical Methods, Heat Transfer and CFD with over 29 years of experience in analysis, research and development. He has extensively contributed to the NASA customer.

Dr Raviprakash has PhD and MS Mechanical Engineering from Univ. of Tennessee Space Institute, USA and BE Mechanical Engineering from Bangalore University, India.

Dr Raviprakash is recipient of numerous awards like Infosys Edison Award, Jacobs Outstanding Member Award, Lockheed Martin Special Space Flight Group Achievement Award and Lockheed/NASA Award for Signification Contribution to MACE II Power Supplies

Note: The techTalk will be followed by networking Hi Tea
Entry is free for ISA Members. Non-members are also welcome

Contact:

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