NANYANG TECHNOLOGICAL UNIVERSITY
SINGAPORE

Centre for System Intelligence and Efficiency (EXQUISITUS)

You are cordially invited to EXQUISITUS,
Centre for System Intelligence and Efficiency Seminar
on:

Grid Analytics – Ensuring AI and Analytics improve network operations
By

Professor Stephen McArthur, BEng (Hons) PhD CEng FIET FIEEE
University of Strathclyde, UK

Date: 20 March 2019 (Wednesday)
Time: 09:30 am - 10:30 am
Venue: Executive Seminar Room (Map)
S2.2-B2-53, School of EEE

Chaired by Assistant Professor Xu Yan

Co-organized by

EXQUISITUS, *Centre for System Intelligence and Efficiency*
and
IEEE PES Chapter, Singapore

Abstract:

This seminar will describe recent research concerning data analytics and machine learning applied to operational decision making in UK distribution network operators. The focus will be on the diagnosis and prognosis of network and plant events using weather data, power quality data, fault records and online monitoring. It will consider situations with limited data, and those with extensive data availability. It will also describe the practical implications of deploying these technologies within the electric power system.

Speaker:

Stephen McArthur is a Professor of Intelligent Energy Systems and a Deputy Associate Principal (for Research, Knowledge Exchange and Innovation) at the University of Strathclyde, UK. His main area of expertise is intelligent system applications in power engineering covering smart grids, condition monitoring and data analytics. Data analytic solutions developed by his team have been deployed for a range of national and international energy companies. He is the Academic Director for Strathclyde's Advanced Nuclear Research Centre and Academic Director of the Low Carbon Power and Energy theme within Strathclyde's Technology and Innovation Centre (TIC). He is Director of the joint Strathclyde and Imperial College EPSRC Centre for Doctoral Training in Future Power Networks and Smart Grids. He is also CTO of Bellrock Technology, which has developed an AI driven technology for rapidly deploying analytics. He is a Fellow of IEEE and IET.