



Energy Management

Date:
31 Jan – 17 June 2022

Time:
19:00 – 22:00

Participation Fee:
\$1800 (w/o GST)

Learning Outcomes

- Evaluate the political, regulatory and fiscal drivers for energy management
- Describe a range of energy efficiency technologies and techniques;
- Interpret data requisites, data sources, and appropriate methodology for the organisation, presentation and usage for monitoring and targeting energy efficiency initiatives. This will include metering, degree day calculation, correlation between productivity and energy usage.

Topics covered include:

- Demand side management
- Policy, regulations and fiscal drivers
- Monitoring and targeting
- Energy efficient techniques and technologies
- Human factors
- Practical energy auditing

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Speakers

Dr Kheng-Lim Goh

Dr Kheng-Lim Goh is a Director of Research and Associate Professor/Reader in Mechanics of Composite Materials. He is also a Fellow (FIMechE) and Chartered Engineer (CEng) of the Institution of Mechanical Engineers (IMechE), and Member (MInstP) and Chartered Physicist (CPhys) of Institute of Physics (IoP) and was recently appointed Global Engagement Fellow 2020/21.

Dr Michael Lau

Dr Michael Lau is a Senior Lecturer with the Newcastle University International Singapore, Mechanical Design and Manufacturing Engineering Programme

He has been involved in tertiary education in Singapore for more than 20 years, starting in Nanyang Technological Institute which morphed into Nanyang Technological University, and is currently teaching in the B. Eng (honours) Mechanical Design and Manufacturing Engineering Degree Programme for the School of Mechanical and Systems Engineering, Newcastle University in collaboration with the Singapore Institute of Technology in Singapore.

Dr Zi Jie Choong

Dr Zi Jie Chong received his B.Eng (1st Class Honour) from Newcastle University, Singapore Campus, in 2013; and subsequently his MSc in Mechatronics (Distinction) in 2014 and PhD in Precision Manufacturing in 2018 from Newcastle University, UK. He is currently an Assistant Professor in Mechanical Design and Manufacturing Engineering at Newcastle University, Singapore.

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