

# Energy & Climate Workshop

## Energy Decarbonisation: Technologies, techniques and opportunities to enhance efficiency and finance projects

16 July 2024 | LTB, Stag Hill Campus, University of Surrey, UK



This workshop is part of the Research and Innovation for Development in ASEAN project funded by the Foreign, Commonwealth & Development Office (FCDO), UK, bringing collaborators from universities in the UK and ASEAN countries together to enable analysis of policies for energy decarbonisation. In this workshop (partly funded by the Institute of Advanced Studies, University of Surrey), approaches to decarbonising energy systems and their analysis will be discussed for the ASEAN and emerging nations' context, along with efficiency improvements for industry and market mechanisms for funding emissions mitigation projects. The workshop will enable academics and people from industry / businesses from developing and developed world to collaborate on research, ideas and feedback on the proposed approaches for setting energy targets and carbon prices.

### Speakers



**Dr Michael Short**, is an Associate Professor at the University of Surrey, UK, leading a team specialising in mathematical modelling and optimisation algorithms for decision-support software for sustainable future energy systems



**Professor Ir Dr Dominic Foo** from University of Nottingham Malaysia is a fellow of Academy of Sciences Malaysia, IAS University of Surrey and the Institution of Chemical Engineers. He specialises in process integration for waste management and CO<sub>2</sub> reduction.



**Mr Chris Moore** has a strong research interests in the role of policy and innovative technology to support development. He supports the development of new research, science, & technology partnerships across the Indo-Pacific region for the UK FCDO.



**Prof Raymond Tan** is a University Fellow at De La Salle University, Philippines, and a member of the National Academy of Science and Technology of the Philippines. His main areas of research are process systems engineering and process integration.



**Dr Eduardo Luna-Ortiz** is the Technical Director at Pace CCS Ltd. Over the past 16 years, he has been involved in CCS, H<sub>2</sub> and decarbonisation projects. His professional interests include industrial sustainability and circular economy.

### Workshop Schedule

9:30 AM

**Welcome & Introductory Note**

9:45 AM

**Keynote 1 by Prof Dominic Foo**

“Graphical techniques for carbon footprint reduction for the process industry”

10:30 AM

- Tea Break & Networking -

11:00 AM

**Keynote 2 by Prof Raymond Tan**

“Policy and leadership for the net-zero transition in ASEAN”

11:45 AM

**Keynote 3 by Dr Michael Short**

“Supporting ASEAN energy decarbonisation through bespoke decision-support software”

12:30 PM

- Lunch Break & Networking -

2:00 PM

**Workshop and group discussions**

2:45 PM

**Keynote 4 by Mr Chris Moore**

“International carbon markets and emission trading schemes”

3:30 PM

**Keynote 5 by Dr Eduardo Luna-Ortiz**

“CCS hubs to decarbonise industry clusters - a practitioner's view”

4:15 PM

**Closing Remarks**

- Tea & End -

Register at:

<https://forms.gle/h7mN78xFKeiTBiRP8>



Collaborators:



Sponsors:

For more information, contact either at [m.short@surrey.ac.uk](mailto:m.short@surrey.ac.uk) or [g.hameed@surrey.ac.uk](mailto:g.hameed@surrey.ac.uk)