

Online Talk

Sustainable Nickel for Electric Vehicle Application: Role of Asia in Processing, Manufacturing and Global Supply Chain

Date : 27th October 2021 (Wed)
Time : 6.30pm – 8.30pm
Venue : Zoom Online Platform
Moderator : Ir Dr Jason Tan

Details of Zoom will be provided 2 days before event

Synopsis

In 2020, Elon Musk, founder of Tesla Motors asked world nickel producers to mine more nickel, an important material in the manufacture of batteries for electric vehicles (EV). While EVs aim to replace petrol and diesel vehicles to bring down emissions, the environmental impact of nickel mining and processing can be quite high. This is particularly true if the nickel used comes from nickel laterites mined in the developing world such as Indonesia where large bulk deposits are found.

This talk examines the sustainability of the global nickel supply chain and the strategic position that Asia can take in the nickel market, slated for growth in the near future.

Registration Fees

IEM Member	RM 15
Non-Member	RM 50

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Or Click this link : <https://event.iempenang.org>

About the Speaker Dr Kuan Seng How



Dr. Kuan Seng How is currently serving as an assistant professor at the Lee Kong Chian Faculty of Engineering and Science, Universiti Tunku Abdul Rahman (UTAR), Malaysia.

He studied at McGill University in Montreal, Canada where he graduated with a Bachelor of Engineering (Materials) in 2007, a Master of Engineering (Materials) in 2009 and a Doctor of Philosophy (Materials Engineering) in 2013. He has worked as a process engineer (metallurgist) and consultant in the mining industry. His recent research areas involve sustainable processes such as bioleaching of economic minerals using environmental microorganisms, comparative study of plastic recycling in Japan and Malaysia, and sustainable nickel in electric vehicle applications. Dr. Kuan is a Chartered Engineer (CEng) with the Institution of Mechanical Engineers (IMechE).

This event is organized by:
Material Engineering Technical Division (MaTD)
Penang Branch

Note: IEM Penang Branch is the administrator of the above event and reserves the right to cancel or reschedule the event if necessary.