

# WEBINAR TALK ON FOOD WASTE DISCHARGE AND PROCESSES, PERSPECTIVE FROM CARBON REDUCTION MODEL

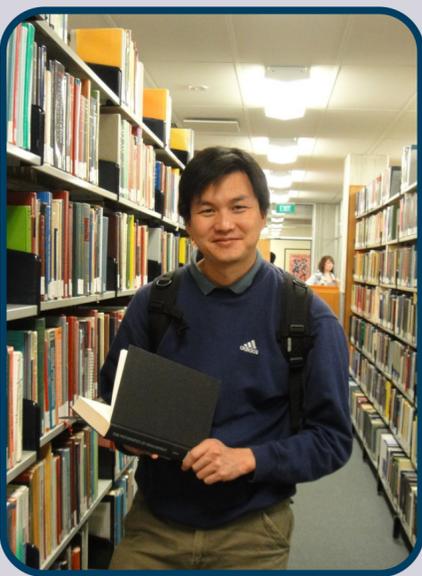
20 AUGUST 2022 | 10.00 AM-12.00 PM

BEM Approved CDP: 2 Hours      Ref. No.: IEM22/HQ/277/T(w)

## Synopsis

The food waste LCA (Life Cycle Analysis) has been a key element in the overall carbon footprint study and certification works. The global food waste stand at 40% of total household / domestic waste. Some countries may have over > 50% of total waste. Thus, the LCA has been a key tasks to model the carbon baseline in measurement, quantification and documentation. The subsequent technology are reviewed to evaluate their relevancy and effectiveness in carbon reduction and carbon neutrality. Among them, small scale and localised food waste composting technology are modelled from the perspective of carbon saving and storing mechanism. This is a restoration of Clean Development Mechanism (CDM) from the carbon reduction perspective. The application is a product in ubiquitous waste management system, iCYCLE

## Speaker's Biodata



**Dr. C. S. Tan**

PhD (NTU), C. Eng. UK,  
Fulbright Scholar, USA

Research Associate, Colorado State University, USA

Co-Founder & Chairman - Terra Phoenix Group of Companies

**Dr. Ching Seong Tan** started up off the Terra Phoenix Group from the position of Associate Professor, Faculty of Engineering, Multimedia University in 2016. Today, the spin off has covered 4 countries with more than 300 staff and 8 offices in the region. He is also the recipient of J. William Fulbright Award 2012/2013. He has co-authored an engineering text book in applied engineering failure analysis. He published more than 30 peer reviewed journal papers as well as more than 40 peer reviewed conference papers. He has more than 10 patents granted in the area of Sustainable System and Li-Fi system. He is the recipient of ShaoXing 330 Talent Award, China.

He received his first degree in 1998 at the University of Malaya, the oldest university in Malaysia. He then worked in Schlumberger (Drilling and Measurement) as the Drilling Services Engineer before joining NTU Singapore for his PhD in Engineering in 2002. Upon receiving his PhD degree from NTU, he is also the research engineer in A\*STAR (Agency for Science, Technology and Research) Singapore. Academically, he has served in various institutions as department head, research centre chair, and research team leader since 2005. He has also been invited to deliver technical and educational speeches in USA, China, Japan, Australia, Puerto Rico, Malaysia, Korea, Taiwan, etc.

### Registration fee

Student Member: Free

IEM Member: RM15.00

Non-Member: RM70.00

### Follow Us



myiem\_official



Myiem HQ Official - General



GoToWebinar