



←
Ms. Tan Ai Peng
“Fire Prevention for
Solar Energy Systems”



→
Ir. Chew Shee Fuee KMN
“What are the Challenges and Opportunities in
Solar PV Generation”

TEEAM SERIES OF TECHNICAL TALKS 02/2024

**APPROVED WITH
5 CIDB CCD POINTS**

Programme:

- 09.30 am : Registration
- 10.00 am : Welcome Remarks
- 10.05 am : “Fire Prevention for Solar Energy Systems”
- 11.30 am : Coffee Break
- 11.45 am : “What are the Challenges and Opportunities in
Solar PV Generation?”
- 12.30 pm : Q & A
- 01.00 pm : End



Registration Link : <https://bit.ly/45yuyzd>
by 12/07/2024

SYNOPSIS & CV

Topic: Fire Prevention for Solar Energy Systems

Synopsis:

Energy supply systems are crucial for our lives, playing a pivotal role in the sustainable development of our society. With the increasing world population and energy demand, we are facing a shortage of abundant and affordable energy based on fossil fuels. The sustainability of energy resources is one of the most pressing concerns today. Therefore, an immediate transition to renewable energy resource systems, based on non-traditional energy supply methods, is urgently needed. In Malaysia, the most practical renewable energy resource currently is solar energy, due to the country's abundance of sunlight. However, recent incidents of solar PV fires on building rooftops have drawn public attention to the need for fire prevention measures in solar energy systems.

CV:

Tan Ai Peng holds a Master's Degree in Renewable Energy from the University of Malaya and a Bachelor's Degree in Economic Finance from University Putra Malaysia. She has 15 years of experience in accounting and 10 years of business experience in the solar energy industry. She is currently the Executive Director of BSL Eco Energy Sdn Bhd.

Topic: What are the Challenges and Opportunities in Solar PV Generation?

Synopsis:

Malaysia has a potential of 269GW of Solar Energy. The increase in Solar PV installations both in large scale as well as small ones is an encouraging trend. Unfortunately the Sun is not up 24 hours a day and will pose problems in reduction of Solar PV output in cloudy days. Can the Grid continue to accept more and unending supply of electricity from Solar PV generators? On the other hand there seem to be almost an infinite energy to tap from the Sun by deploying Solar PV systems. Is it possible to have all building roofs to be fully embedded with Solar PV materials? This is a good opportunity to explore the challenges and opportunities on the subject matter.

CV:

Ir. Chew Shee Fuee, KMN B Sc (Hons) (Strathclyde), CEng, FIEM, MIEE Member, IEEE Member, 1st Grade Electrical Engineer (Competent up to 500 kV). Ir. Chew was President of The Electrical and Electronics Association of Malaysia (TEEAM) for 2001-2005 and 2013-2017. He was the President of the ASEAN Federation of Electrical Engineering Contractors (AFEEC) for 2016-2018. He is a Past Chairman of The Institution of Engineering & Technology (IET) Malaysia Local Network. Ir. Chew is the Managing Director of G H Liew Engineering (1990) Sdn Bhd and Chris Chew Electrical Consultant. He graduated from the University of Strathclyde, Glasgow with a B Sc (Hons) in Electrical & Electronics Engineering. He is a Professional Engineer and is also licensed by the Energy Commission as a Competent Engineer (without voltage limits) and a Service Engineer to carry out electrical testing up to a voltage of 500 kV. He has more than 30 years of industry experience in electrical control and relay protection. He is also specialised in electrical site tests on power equipment, electrical fault investigation, service and maintenance of electrical switchgears and relays. His work also includes electrical supervision of substations and electrical audit. He also presents lectures on electrical apparatus and the protection system. He was Vice-Chairman of MYENC (Malaysian Electro-Technical National Committee) and is a Member of Technical Committees (TCs) and Working Groups (WGs) in Standards Development.