



Power Generation from Salinity Gradient Solar Pond Using Thermoelectric Generators

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This talk was given by Dr Baljit Singh from Universiti Teknologi MARA on 13 July 2016. The talk looked into solar pond as source of renewable thermal energy. He touch on some naturally-existed solar ponds, what is solar pond, how much of incoming solar energy can be captured and stored. Dr Baljit also touched on the advantages and limitation on solar pond and how it affects the community. He mentioned that solar pond is capable storing thermal energy for a long period. The stored thermal energy can be converted into electricity by using thermoelectric generators. Although Organic Rankine Cycles (ORC) engine is currently used to generate electricity from solar pond using low grade heat, it still requires a certain threshold in the temperature difference of the system. The TEGs however works without any temperature difference threshold needed for its operation. These thermoelectric generators can be operated using the cold and hot zones from a solar pond. The talk ended with questions and answers.

