Contribution ID: **366** Type: **Poster Presentation**

Investigating the thermal performance of a hybrid PV solar system

Thursday, 14 July 2011 17:00 (2 hours)

<p>Photovoltaic thermal heating system have gained momentum in the recent years with many investigations be been done on how to maximize the heat harnessing mechanisms. In some case copper tubes fixed on the back part of the module, are used to circulate forced water around them by external driving force e.g. pumps and, in the process extract heat from the module and provide the cooling effect as well. As more heat is extracted from the these devices, the final water temperature rises above the ordinary ambient temperature and stays hot for longer hours after the sun has gone down. This effect on the performance of the PV system due to long temperature lag and uneven heat distribution on the back of the module as a result of thermodynamics processes in the water will be presented in the final paper.

Level (Hons, MSc,
   PhD, other)?

PhD

Consider for a student
   award (Yes / No)?

yes

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

yes

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