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Performance monitoring of a Passive Flat Plate Solar Water Heating system

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Abstract content
   (Max 300 words)

Water heating constitutes a significant part of electricity usage in households. Solar water heater systems are slowly replacing conventional geysers as a renewable energy source of heating water for household use. The efficiency of solar water heating systems is dependent on the correlation between heat into the system and heat out of the system. This study aims to investigate this heat balance of a system on a daily and monthly basis. It also seeks to evaluate the net thermal flow of energy in the system. A comparison of the solar energy delivered hot water versus the actual energy will be done as well as the ratio of solar energy actually converted to thermal versus the total energy incident. The final paper will present the findings from all these studies.

Apply to be
 consider for a student
   award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
   PhD)?

MSc

Main supervisor (name and email)
and his / her institution

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

Yes

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