



5TH Workshop on Solar Energy Installation & Maintenance (photovoltaics), Biogas production and Solar Thermal Systems

1st - 6th August 2016



**COLLEGE OF NATURAL SCIENCES (CONAS)
IN CONJUNCTION
WITH CENTRE FOR RESEARCH IN ENERGY AND
ENERGY CONSERVATION (CREEC) COLLEGE OF
ENGINEERING, DESIGN, ART AND
TECHNOLOGY (CEDAT)**

The Renewable Energy Research Group (RERG) in Physics Department of Makerere University, invites applications for Workshop Training in Solar Energy Installation and Maintenance, Biogas production and Solar Thermal Systems, which will be held at the Department of Physics.

THE SCOPE OF TRAINING WILL INCLUDE THE FOLLOWING:

1.0 Basic Electronics

- ☉ Direct current and Voltage
- ☉ Alternating Current and Voltage
- ☉ Basic operation and maintenance of electrical meters
- ☉ Diodes, Rectifiers, Regulators.

2.0 Photovoltaic Systems

- ☉ Introduction to Photovoltaic Systems.
- ☉ Balance of Systems (Batteries, Solar Controllers, Inverters).
- ☉ PV System Sizing and Installation.
- ☉ PV System Maintenance.
- ☉ PV System Energy Economics.
- ☉ PV System Safety.

3.0 Biogas Technology

- ☉ Design of Biogas Digester
- ☉ Construction Technique
- ☉ Operation and Maintenance
- ☉ Production of Biogas.

4.0 Basic Technology of Solar Thermal Systems

- ☉ Construction and operation of concentrated Solar Power
- ☉ How to Concentrate Solar Power in a water reservoir while using solar Trough and copper pipes.

PARTICIPATION:

The training is open to Researchers, students from Higher Institution of Learning, Trainers (Teachers, Technical Institution tutors,) Solar Suppliers, Holiday makers and any other interested persons.

At the end of the training, participants will receive certificates of completion. And with the aid of the acquired technical skills, will be able to design, build and maintain the Photovoltaic systems, Biogas and Concentrating Solar Power Systems.

Participants are expected to arrange for their own travel and accommodation near the training venue or it can be arranged on request.

Workshop Training Fee:

Cost for the training is **Ug. Shs. 300,000** (Three Hundred thousand shillings) per person for Ugandans or **USD 200** for International participants.

Registration fee: **20,000 Ug. Shs.** (Twenty thousand Uganda shillings).

HOW TO APPLY FOR PARTICIPATION:

The application form can be accessed at Physics Department website, Makerere University: www.physics.mak.ac.ug or can be emailed to interested participants on request. The Secretary of Physics (0772 967365) to receive the application and training fee who in return will issue out an official receipt.

Enquiries: Contact workshop Co-coordinators on the following:

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