

Joint MSSEESA and DAAD International Conference on Materials Science Research for Sustainable Energy in Africa

26 - 27 September 2018

**University of Nairobi, School of Physical Sciences
Nairobi, Kenya**

The Conference provides a platform for dissemination of research outputs in Materials Science by established researchers and postgraduate students with emphasis on solar energy and energy storage.

Description:

The state of Africa's economies presents an opportunity for an infusion of new paradigms for sustainable growth. This can be achieved through advancement in materials science research with the aim of attaining affordable and clean energy. One of the best alternatives to cope with increasing energy demand is solar energy which is available throughout the year in Eastern and Southern Africa. For efficient conversion of solar energy to electrical or thermal energy, it is important to have a clear understanding of the photo-physical and opto-electrical properties of materials. In parallel with the development of photovoltaic devices, due attention has to be given to the storage of electrical energy in easily portable chemical energy forms and/or in an electrical field. Since solar energy is collected only in the day time, it is also wise to develop alternative technologies such as storage for renewable energy forms.

Topics:

- Importance of materials science: experimental and computational approach;
- Promise of nanoscience and technology in materials science;
- Renewable energy potentials in Eastern and Southern Africa;
- Current photovoltaic systems and novel technologies
- Energy storage: fuel cells, batteries and supercapacitors;

Local Organizers:

Prof. B. O. Aduda
(Chief Coordinator, MSSEESA)
Prof. J. M. Mwabora, University of Nairobi.
Prof. F. W. Nyongesa, University of Nairobi.
Dr. R. J. Musembi, University of Nairobi.
Dr. S. M. Waita, University of Nairobi.
Dr. A. A. Ogacho, University of Nairobi.
Dr. H. W. Barasa, Masinde Muliro University.
Dr. B. O. Ndinya, Masinde Muliro University.
Mr. B. V. Odari, Masinde Muliro University.

Invited Speakers:

Prof. George AMOLO, Technical University of Kenya, Kenya.
Prof. Daniel EGBE, Johannes Kepler University, Linz, Austria.
Dr. Justus SIMIYU, University of Nairobi, Kenya.

How to apply:

Send your abstract to:
musembirj@uonbi.ac.ke
and
vodari@mmust.ac.ke
Female scientists are encouraged to apply.

Grants:

Transport and accommodation costs for MSSEESA members and Kenyan DAAD scholars will be covered. There is no registration fee.

Deadline:

7th September 2018

