THE INSTITUTION OF ENGINEERS TANZANIA

ANNOUNCING

GRID INTEGRATION OF RENEWABLE ENERGY SOURCES

WHO SHOULD ATTEND?

This training course is suitable to a wide range of professionals but will greatly benefit:

- Electrical engineers
- Electrical supervisors
- Power engineers

FACILITATORS:

Eng. Prof. Cuthbert Kimambo,
Dr. Sarah P. Ayeng'o and Dr. Jackson J. Justo.

ACREDITATION AND AWARD

A softcopy certificate for the training will be provided on completion of the training with **40 PDUs has been accredited by Engineers Registration Board (ERB)**

Venue: National Tourism College, (Near IFM) City Centre, Dar es Salaam
Dates: 1st – 6th July, 2024

COURSE FEES:

IET Member: TZS 600,000
Non Member & Other professions: TZS 650,000
Virtual Member: TZS 200,000
Virtual Non Member TZS 250,000

The fee will cover Conference hall hiring, facilitation, course materials, health break & lunch and a certificate. Participants are expected to meet their travel and accommodation costs while attending the course.

MODE OF PAYMENT:

Banking details are as shown below;
CRDB Bank PLC., A/C No. 01J1042971100 I NBC A/C No. 012103002999 I NMB A/C 20110083119 I Name of Account: The Institution of Engineers Tanzania
Proof payment: Please send proof of payment through the following e-mails trainings@iet.or.tz cc institutionofengineerstz@gmail.com or WhatsApp No. 0738 133778

For more information please contact:

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INTRODUCTION:

This training focuses on incorporating renewable energy, distributed generation, energy storage, thermally activated technologies, and demand response into the electric distribution and transmission system.

Grid integration is the practice of developing efficient ways to deliver variable Renewable Energy (RE) to the grid. Robust integration methods maximize the cost-effectiveness of incorporating variable RE into the power system while maintaining or increasing system stability and reliability.

COURSE OBJECTIVES:

Is to provide a strong understanding of power systems, their operation and control focused on the issues related to the integration of distributed renewable generation into the network. Strong foundation for power system equipment used for integration.

COURSE CONTENTS:

- Drivers of change in modern grids
- Renewable Technologies Design and Operation
- Dynamic Performance and Renewable Energies
- Economic and financial aspects of renewable energy
- Cross cutting issues
  - Utility renewables training needs
  - Policy and regulatory framework
  - Climate, environmental and social issues
  - Gender

SITE VISIT:

Day 6, the participants will have the opportunity to visit the factory to see what they have learned.

BENEFIT FOR PARTICIPANTS

To mention a few, participants to this training will;

- Learn strong drive for renewable energy integration how it helps mitigate climate change by reducing greenhouse gas emissions and other air pollutants.
- Learn wind, solar and hydroelectric systems generate electricity with no associated air pollution emissions. Geothermal and biomass systems emit some air pollutants.