



## Broaden your Knowledge in Solar Energy at our Training Lab!

### Curriculum:

- ◆ **Introduction to Solar Energy**
  - Solar Radiation (Quantity, Distribution, Measurement)
  - Solar Power (The Four Configurations)
  - Measuring Solar Radiation
  - Lab Exercise
- ◆ **Introduction to Photovoltaics (PVs)**
  - Types of PVs
  - Components of PVs
  - Lab Exercise
- ◆ **Components of a Photovoltaic System**
  - The Four Configurations
  - Components of a PV System
    - Types of Wires
    - Inverters and Charge Controllers
    - Charge Controllers
    - Batteries
  - Types of PV Systems
  - Design Process of a PV System
  - Sizing PV Systems
    - Energy Audits
    - Site Assessments, Roof Assessments
  - Installation Process of a PV System
  - Measuring Efficiency of a PV System
  - Lab Exercise (Designing various systems)
- ◆ **Assessments**



### Target Audience

- ◆ Energy Enthusiasts
- ◆ PV Practitioners
- ◆ Educators

### Training Dates:

January 11-13, 2017

### Location:

Wigton Training Lab, Rose Hill, Manchester

### Cost:

J\$52,500 (or US\$ 410)\*  
(includes daily coffee break and lunch)

### Registration

Email name, contacts email and number(s), company/ entity to [sanja.simmonds@wwfja.com](mailto:sanja.simmonds@wwfja.com)

\*Payments must be made by **January 10, 2017** to confirm participation (cash, cheque, bank account deposit)

### Instructors

**Joni Hall, MSc in Sustainable Energy Technology**  
**Caion Stoner, BEd in Electrical**  
**Dwight Reid, MPhil in Electrical Engineering**