Title: Research Intern in Grid Integration

Main Duty Station and Location: SACREEE Secretariat. Windhoek, Namibia

Mission/s to: Mainly to SADC Member States as appropriate

Remuneration: Monthly stipend equivalent to £700

Expected Start Date: 15 June 2020

Duration of Appointment: 6 months - Fixed

Publication Date: 20 April 2020

Deadline for Application: 4 May 2020

Send Applications to: recruitment@sacreee.org

ORGANIZATIONAL CONTEXT

The Southern African Development Community (SADC) Centre for Renewable Energy and Energy Efficiency (SACREEE) is cooperating with the Regional Electricity Regulators Association of Southern Africa (RERA), the Southern African Power Pool Coordination Centre (SAPP CC) and the University of California Santa Barbara in implementing a research project “Accelerating large-scale renewable energy deployment in Southern Africa by bridging analysis and application through decision support tools”, shortened “RE Decision Support Tools”. The Project is funded by the Applied Research Programme on Energy for Economic Growth (EEG), led by Oxford Policy Management. EEG is funded by the UK Government, through UK Aid.

PROJECT CONTEXT

The RE Decision Support Tools project aims to identify renewable energy (RE) resources and grid integration strategies that are specific to the challenges, needs, and opportunities in Southern African countries, specifically twelve mainland SADC Member States that are members of SAPP. By doing so, the project seeks to extend existing studies in a way that is directly relevant for near-term decision-making while considering long-term development ambitions. The deliverable is a SAPP applicable electricity planning and operation model on an open source platform that, Ministries of Energy, Regulators, Utilities and any other entities can use.

CANDIDATE

SACREEE invites applications from suitably qualified candidates for a Research Intern.

The ideal candidate will support research on modelling low-carbon electricity systems by integrating climate change considerations in low-carbon power sector planning for Southern Africa. The ideal candidate will be expected to contribute towards; writing peer-reviewed publications, oral presentations, and developing policy briefs and reports for SADC Member states and other key stakeholders such as SAPP, RERA and development partners. The ideal candidate will work closely with the Renewable Energy Expert at SACREEE.
MINIMUM ORGANIZATIONAL REQUIREMENTS

Education:

- At a minimum, applicants must be current final year Masters or PhD students or recent (2019) Masters graduates in engineering, interdisciplinary energy studies, or a related field at the time of application. The ideal candidate will have domain knowledge in energy studies, power systems, renewable energy grid integration, and optimization models.
- Preferred qualifications include knowledge in managing, processing, and analyzing large datasets and programming skills especially in Python or other open source models.
- An interest in publishing in top academic journals is preferred. The ideal candidate should also have interpersonal skills to build and maintain relationships with academic, government and development partners, and to work effectively as part of a highly collaborative team.
- Candidate must be a Citizen of a SADC Member State (Female candidates are particularly encouraged to apply); and
- Ability to work under pressure and handle politically and culturally sensitive issues.

Languages: Proficiency in English, and one other working language of the SADC Community (French or Portuguese) would be an added advantage.

REQUIRED COMPETENCIES

Core values:
- Integrity
- Professionalism
- Respect for diversity

Core competencies:
- Results orientation and accountability
- Planning and organizing
- Communication and trust
- Team orientation
- Client orientation
- Organizational development and innovation

Managerial competencies (as applicable):
- Strategy and direction
- Managing people and performance
- Judgement and decision making
- Conflict resolution