



# Africa Smart Grid Forum 2018

## Second Call for Papers and Presenters

"Smart Grid: The key to sustainable development of Africa"

**1 to 4 October 2018**

**Kigali, Rwanda**

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### Introduction

The 3<sup>rd</sup> Africa Smart Grid Forum, 2018 is co-organized by the Rwanda Government through the Rwandan Development Board, Rwanda Standards Board and the African Electrotechnical Commission (AFSEC), in collaboration with the African Energy Commission (AFREC) from 1 to 4 October 2018. The Forum is composed of high level policy plenary sessions, followed by parallel technical sessions bringing together International and African technical experts. The Forum includes an exhibition for international and continental companies and organizations providing technology solutions and institutional support to enable smart grid implementation. Companies and organizations seeking to participate in the exhibition or sponsorship opportunities should contact the Forum organizers in Kigali,

Christine Kembabazi, telephone: [+250 788479032](tel:+250788479032) email: [christine.kembabazi@rcb.rw](mailto:christine.kembabazi@rcb.rw)

The participants in this Forum will include industry and utilities leaders, experts, international, continental, and regional institutions, investors and development partners.

The **first AFREC Seminar on Energy Efficiency** will be co-located with the Forum, to be held from 1 to 2 October. Invitations to nominate delegates to this Seminar will be issued separately by AFREC.

### Forum Objectives

- 1- To quantify the potential of Smart Grid technologies, to accelerate sustainable access to electricity for the African people.
- 2- To demonstrate the role of Smart Grid technologies, to invigorate businesses and generate employment within the African continent.
- 3- To identify impediments against deployment of Smart Grid technologies.
- 4- To propose measures to expedite Smart Grids to increase electrification across the continent.
- 5- To promote standardization for sustainable Smart Grid technologies and infrastructure

## Focus Areas for the Forum

- 1- Deployment of smart grid technologies and relevant standards to maximize the application of renewable energy sources and energy efficiency measures
- 2- Smart Grids in megacities: Global and African experiences.
- 3- LVDC and E-mobility prospects in Africa
- 4- Rural and Off-Grid Electrification: Global and African experiences.
- 5- Continental industrial prospects and hurdles in Smart Grid technologies.
- 6- Roles of governments and financial institutions.
- 7- The convergence of the ICT and energy sectors.
- 8- Optimization of production, transmission and distribution of electricity
- 9- Interoperability and interchangeability of smart grid equipment from diverse countries/continents
- 10- Benefits of Grid Analytics, IoT and artificial intelligence technologies
- 11- Safety of electrical installations for 'prosumers' .
- 12- Metrology for Smart Grids

## Expected Outcomes

Formulation of practical proposals to enhance synergies among national, regional, and continental actors and cooperation with international partners for the effective application of Smart Grids technologies for electrification and economic development in Africa.

## Guidelines for authors

- **The final closing date for submission of abstracts is 6 July 2018**, to be submitted (either in English or French) to both [philibert.zimulinda@rsb.gov.rw](mailto:philibert.zimulinda@rsb.gov.rw) and [secretariat@afsec-africa.org](mailto:secretariat@afsec-africa.org)
- Acceptance date of Abstracts: 31 July 2018
- The deadline for the submission of accepted papers/presentations is 7 September 2018.

- Proposed papers may be guided by, but are not limited to the focus areas listed above. Papers should be typically 1200 - 1500 words. A submission in the form of presentation slides only may be acceptable, however the number of slides that can be used when presenting in the forum must be limited to keep to the time limit.
- Authors will be given the opportunity to make a 20-minute presentation during the forum, summarizing their topic, and to participate in Q &A sessions.

## **Forum Languages**

The working languages for the forum are English and French.

English- French translation interpretation services will be provided during all sessions.