

# 2018 IEEE PES GENERAL MEETING

SUSTAINABLE ENERGY  
SYSTEMS FOR DEVELOPING  
COMMUNITIES, **SESDC**  
WORKING GROUP

## PANEL: STANDARDS FOR OFF-GRID DEVELOPING COMMUNITY APPLICATIONS

Wed Aug. 8 | 13:00 - 15:00 | Room: OC-Portland Ballroom 256

SESDC aims to raise awareness to the technical community, governments, policymakers, and organizations about access to energy systems, including electricity and the related issues in developing communities around the world.

### Panel Summary:

Effective rural electrification initiatives, including off-grid solutions, are needed to address the 1.1 billion people in mostly rural communities that are currently living without access to basic electricity services. In developing countries, these efforts currently suffer from lack of standardization, which limits the effectiveness of interventions that are deployed which ultimately results in fewer connected to high quality electricity supply.

The Panel seeks to answer the following questions:

- What are the current efforts underway to standardize applications in developing communities - including micro-grids, solar home systems, pico-products?
- What barriers are present, how can they be overcome?
- What are stakes for nations with significant populations that are not connected or with low tier connections?
- How can standardization efforts complement/cooperate?
- What country/regional variations are needed in standards? Do developing countries have a voice in determining standard requirements?

### Confirmed Speakers:

<b>Christopher Baker-Brian</b>	Co-founder & CTO, BBOX	<b>Lighting Global and Trends in the SHS market</b>
<b>Sarah Aggrey Majok</b>	CEO, Sarah Aggrey Consulting Engineers	<b>Standardizing DC Microgrids for Rural Electrification</b>
<b>Edward Ian Baring-Gould</b>	Wind Technology Deployment Manager, NREL	<b>Quality Assurance Framework for Mini-grids</b>
<b>Dr. Graeme Burt</b> on behalf of <b>Dr. Abdullah Emhemed</b>	Professor, University of Strathclyde	<b>Overview of IEC standards activities on LVDC for electricity access</b>
<b>Dr. Jens Boemer</b>	Principal Technical Leader, EPRI	<b>Opportunities of IEEE Std 1547-2018 for rural electrification with Distributed Energy Resources</b>

\*\* All IEEE PES Members are welcome to join the Working Group meeting to learn more and get involved with activities \*\*

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