



CALL FOR PAPERS AND TECHNICAL PRESENTATIONS

Nov. 4, 2016:

Submission site opens

Jan. 6, 2017

All full papers must be submitted

Feb. 17, 2017

Authors will be advised via email of acceptance or rejection of their papers

Mar. 18, 2017

Final revised papers are due

Conference Paper Submission Requirements: Full papers (6 pages) must be submitted to the online submission and review site. A link to the submission site will be available from the 2017 IEEE PES PowerAfrica Conference home page. If accepted after peer review and revision, papers will be archived in the IEEE Xplore Digital Library and presented in the Conference.

June 27-30, 2017 • Accra, Ghana

Harnessing Energy, Information and Communications Technology for Affordable Electrification of Africa

The IEEE PES PowerAfrica Conference 2017 is coming to Accra, Ghana, June 27-30, 2017. IEEE Power and Energy Society (PES) offers this premier international forum on advances in the development and deployment of technologies and business models that are realizing Africa's energy future. This year's conference will emphasize the emerging opportunities to leverage ICT to build solutions for both on-grid and off-grid systems across the continent that are economically, environmentally, and socially sustainable. The role of current and future regulations, investment frameworks and policies will also be addressed.

The IEEE PES PowerAfrica Conference 2017 invites professionals and researchers with engineering, finance, and social science backgrounds from companies, R&D organizations, academic, government and financial institutions to submit papers on their innovative ideas, research and development, application experience and expertise in all relevant areas of specialization including: new technologies for generation, distribution and demand management; off-grid and grid-connected micro-grid design, protection and control; socio-economic, policy and financial analysis; and applications of data science and communications technology to all areas of energy system planning and operations.

The technical program is designed to highlight innovations and challenges facing the power and energy industry in Africa. The Conference will provide attendees with practical, solution-oriented topics, including case studies and lessons learned, via a diversified technical program consisting of tutorials/workshops, keynote/plenary speeches, poster and oral presentations. The conference theme covers African applications or relevant international experience in the following four key topic areas:

Tapping Emerging Generation & Storage:

- Solar, wind, geothermal, biomass, hydro, and waste
- Energy Storage: technologies and systems
- Technical and business design of hybrid systems
- Grid-integration and grid code for renewables

Designing Micro-Grids and Revamping Utility Systems:

- Reliability, communications and security
- Considerations for off-grid and grid-connected systems
- Integrating, controlling and monitoring multiple micro grids
- Technical and business design of wire systems

Building Sustainable Systems for Customers and Sectors:

- Effects of electrification: Environmental, economic, and social
- Local Growth: skills, jobs, investors, and lenders
- Financial Examples: options for financial instruments, investor/lender arrangements
- Tariff design, regulation, and the role of global institutions

Leveraging ICT for Power Delivery and Electrification:

- Smart monitoring, metering and control
- Maintenance and payment for on and off-grid systems
- Data analytics: customer analysis, equipment maintenance and finance
- Cyber-security, privacy, and data protection

For full details please visit our website, sites.ieee.org/powerafrica

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