



UNIVERSITY OF BOTSWANA



CALL FOR PAPERS  
The Fifth IASTED African Conference on  
**POWER AND ENERGY SYSTEMS**

September 1-3, 2014  
Gaborone, Botswana

**SPONSORS**

The International Association of Science and Technology for Development

Word Modelling and Simulation Forum



**HOST ORGANIZATION**

University of Botswana

**LOCAL ARRANGEMENTS CHAIR**

**Dr. Audrey Masizana, University of Botswana**

**CONFERENCE CHAIR**

**Prof. George O. Anderson, University of Botswana**

**PURPOSE**

The fifth IASTED African Conference on Power and Energy System (AfricaPES 2014) is an international forum for researchers and practitioners interested in the advances and applications of power and energy systems.

**LOCATION, GICC, GRAND PALM HOTEL, GABORONE BOTSWANA**



**DIRECTIONS**



Experience the stunning beauty and culture that Botswana has to offer. Located in Southern Africa, Botswana is a country with diverse and exotic scenery that ranges from the Kalahari Desert to one of the world's largest intact inland Delta – the Okavango. During the day, venture out into the wilderness and explore the many reserves and national parks that are home to African Elephants, Cheetahs, and many endangered species. At night, return to the big city and listen to live Tswana music and sample some of Botswana's unique cuisine.

Observe Botswana's booming economy first hand and get inspired by the country's development. Regardless of your past travel experiences, Botswana is sure to have something new and exciting to offer. For more information on Botswana, visit the official tourism site: <http://www.botswanatourism.co.bw/>

## **SCOPE**

Africa PES 2014 will cover topics including, but not limited to the following:

### **THEME 1: Alternative Energy**

- Bio-Energy
- Renewable Energy Sources
- Waste Products as a Source of Energy
- Fuel Cell Technology
- Solar Energy
- Wind Energy

### **THEME 2: Power Generation, Transmission and Distribution**

- Converters and Inverters
- FACTS
- Grounding and Protection Systems
- Network Harmonics
- Power Electronics
- Power System Design
- Power System Planning
- Reliability and Security
- Electrical Machines
- Fault Diagnosis
- HVDC
- Power Distribution
- Power Flow Analysis
- Power System Operation
- Power System Stability and Control

### **THEME 3: Smart Grids**

- Energy Storage
- Intelligent Monitoring
- Plug-In Vehicles
- Grid Architectures
- Modeling of Grid Environments
- Security Systems

### **THEME 4: Management and Economics**

- Demand Management
- Energy Management
- Financing and Investments
- Home and Building Energy Management
- Power Electronics
- Retail Power Markets
- Electricity Power Tools
- Energy Policies and Regulations
- Forecasting
- Optimization Techniques
- Pricing Policies

## INTERNATIONAL PROGRAM COMMITTEE

Prof. B. K. Bose – University of Tennessee, USA

Prof. J. Choi – Chungbuk National University, South Korea

R. Naidoo - Enermatics, South Africa

Asst. Prof. W. Puangsombut – Rajamangala University of Technology Rattanakosin, Thailand

Dr. Y.I. Sharaf-Eldeen – Florida Institute of Technology, USA

## SUBMISSIONS

Submit your papers via the website: [www.iasted.org/conferences/submit-812.html](http://www.iasted.org/conferences/submit-812.html)

All submissions should be in Adobe Acrobat (pdf) format. The papers must be received by **April 1, 2014**. Receipt of the paper submission will be confirmed by email.

Please complete the online initial paper submission form, designating an author who will attend the conference and providing four key words to indicate the subject area of your paper. At least one of the key words must be taken from the list of topics provided under “Scope.” Initial paper submissions should be full papers, approximately eight pages long. Formatting instructions are available at: <http://www.iasted.org/formatting-initial-page.html>

All papers submitted to IASTED conferences must be previously unpublished and may not be considered for publication elsewhere at any time during the review period. Authors are limited to a maximum of three paper submissions. Authors are responsible for having their papers checked for style and grammar prior to their submission. Papers may be rejected if the language level is not satisfactory.

Notification of acceptance will be sent via email by **May 15, 2014**. Final manuscripts are due by **June 1, 2014**. Registration and final payment are due by **June 15, 2014**. Late registration fees or paper submissions will result in the paper(s) being excluded from the conference proceedings.

## REVIEWING

All papers submitted to this conference will be double-blind peer reviewed by at least two members of the International Program Committee and related technical committees. Acceptance will be based primarily on originality, significance, technical soundness, presentation, and references. The conference chair makes the final decision on the acceptance or rejection of the paper.

## FINAL PAPERS

Send your final manuscripts to: <http://pdfportal.iasted.org/Admin.aspx> .Formatting instructions for final papers can be found at <http://iasted.org/formatting-final-page.html> and must be strictly followed. The page limit for final papers is eight single-spaced pages in 10 point Times New Roman font. Only one paper of up to eight pages is included in the regular registration fee. There will be an added charge for any extra pages, or for any additional papers.

## TUTORIALS

Proposals for three-hour tutorials should be submitted online by **April 1, 2014** via the following email address: [beautymolao@gmail.com](mailto:beautymolao@gmail.com) or [calgary@iasted.org](mailto:calgary@iasted.org)

A tutorial proposal should clearly indicate the topic, background knowledge expected of the participants, objectives, time allocations for the major course topics, and the qualifications of the instructor(s).

### **PRODUCT ORIENTED LECTURES**

Individuals, companies and organizations are invited to present product-oriented lectures at AfricaPES 2014. Proposals should be submitted by email to Beauty Molao at [beautymolao@gmail.com](mailto:beautymolao@gmail.com) and should include the name of the conference, title of the presentation, the name of the presenter and his/her address and email, and a maximum 250 words summary of the presentation. Proposals should be received by April 1, 2014. Receipt of submission will be confirmed by email. Notification of acceptance will be emailed by May 15, 2014. Registration and final payment are due by June 15, 2014. Opportunities will exist for desk top exhibits at an additional charge.

### **INDEXING**

The proceedings will be sent for indexing in the following:

- EI Compendex
- Inspec
- Google Scholar
- Scopus
- EBSCO

### **JOURNALS**

Expanded and enhanced versions of papers published in the conference proceedings can also be submitted for consideration to the International Journal of Power and Energy Systems at: [www.actapress.com/SubmissionInfo.aspx](http://www.actapress.com/SubmissionInfo.aspx).

Whole proceedings as well as single papers can be purchased online. Please visit ACTA Press: [www.actapress.com](http://www.actapress.com).

### **IMPORTANT DEADLINES**

Submissions due	April 1, 2014
Notification of acceptance	May 15, 2014
Final manuscripts due	June 1, 2014
Registration deadline	June 15, 2014

## CONCURRENT CONFERENCES

Africa PES 2014 will be held in conjunction with the IASTED International African Conferences on:

- **Modelling and Simulation (AfricaMS 2014)**
- **Environment and Water Resource Management (AfricaEWRM 2014)**
- **Health Informatics (AfricaHI2014)**

## SECRETARIAT

For more information or to be placed on our mailing list, please contact:

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## HEADQUARTERS

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## CONFERENCE ANNOUNCEMENT

<http://www.iasted.org/conferences/cfp-814.html>