



UNIVERSITY OF BOTSWANA



CALL FOR PAPERS  
The Fifth IASTED African Conference on  
**ENVIRONMENT AND WATER  
RESOURCE MANAGEMENT**  
**September 1-3, 2014**  
**Gaborone, Botswana**

**SPONSORS**

The International Association of Science and Technology for Development

**HOST ORGANIZATION**

University of Botswana

**LOCAL ARRANGEMENTS CHAIR**

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

**CONFERENCE CHAIR**

**Dr. G. Mmopelwa, University of Botswana**

**PURPOSE**

The fifth IASTED African Conference on Environment and Water Resource Management (AfricaEWRM 2014) will act as an interdisciplinary forum for decision-makers, academics, and professionals interested in the development and applications of technology for the sustainable use of the environment and the management of water resources. This purpose is consistent with the goals of the United Nations Decade of Water for Life. The forum will cover both hard and soft technologies and will serve to promote the use of appropriate technologies. Case studies are welcome.

## 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 other 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

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

### THEME 1: Environment

- Air Quality
- Bio Monitoring
- Clean Energy
- Deforestation
- Ecological Restoration
- Farming Methods and the Environment
- Land Management
- Natural Resources Management
- Soil Erosion
- Waste Management
- Biodegradable Materials
- Biodiversity
- Conservation
- Desertification
- Environmental Impact Assessment
- Habitat Rehabilitation
- Mining and the Environment
- Pollution Reduction
- Sustainable Development

### THEME 2: Water Supply and Sustainable Use

- Hydrological and Hydraulic Systems
- Conservation, Reuse, and Recycling
- Demand Forecasting
- Distribution and Optimization
- Monitoring and Surveillance
- Sourcing
- Water Quality Protection
- Treatment
  - Solar Water Disinfection
  - Low-tech Filtration
  - Chemical Disinfection
- Diagnostic Techniques
- Storage
- Reclamation
- Water Augmentation
- Water Use
  - Aquaculture
  - Domestic
  - Recreation
  - Transportation
  - Industrial
  - Agriculture/Irrigation
  - Hydropower

### THEME 3: Wastewater and Storm Water Management

- Containment and Collection
- Modelling and Simulation
- Storm Water Treatment
  - Permeable Pavement
  - Grass Swales
  - Constructed Wetlands
- Domestic and Industrial Wastewater Treatment
  - Ultraviolet
  - Nanotechnologies
  - Aquaculture
- Instrumentation and Automation
- Sludge Handling
- Performance Evaluation
- Data Analysis and Visualisation Software
- Wastewater Reuse
- Wastewater and Storm water Discharge
- Total Maximum Daily Loading
- Extreme Events

#### **THEME 4: Integrated Watershed Management**

- Watershed Policy and Planning
- Capacity Building
- Hydro Informatics
- Best Management Practices
- Cumulative Impacts Assessment
- Geographic Information Systems
- Remote Sensing and Sensor Evaluation
- Groundwater Mapping
- In stream Flow Needs
- Flood Forecasting Techniques
- Climate Change Effects
- Point and Non-point Source Pollution
- Transportation and Fate of Pollutants
- Remediation and Restoration
- International Rivers

#### **THEME 5: Pollution Prevention and Reduction in Industry**

- Pollution Abatement Technology
- Environmental Management Systems
- Impact and Risk Assessments
- Life Cycle Analysis
- Industrial Ecology
- Cost/Benefit Analysis
- Biotechnology
- Cleaner Production
- Technology Transfers
- Regulations and Enforcement
- Partnerships

#### **THEME 6: Issues in Implementing Environmentally Sound Technologies**

- Planning and Management
- Maintenance
- Institutional Issues
- Policy Issues
- Information Communications Technology
- Socio-economic and Cultural Issues
- Legal Issues
- Training and Education
- Financial Issues

## INTERNATIONAL PROGRAM COMMITTEE

Prof. V. Chipofya – Institute of Water and Environmental Sanitation, Malawi  
Prof. S. Gaskin – McGill University, Canada  
Dr. R. Hranova – University of Botswana, Botswana  
Asst. Prof S. Kiyama – Kyoto University, Japan  
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Dr Dimitrios Myronidis, Aristotle University of Thessaloniki, Greece  
Andreas Neef, University of Hohenheim, Thailand Office, Thailand

## 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 AfricaEWRM 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 summarizing 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:

- El Compendex
- Inspec
- Google Scholar
- Scopus
- EBSCO

## **JOURNALS**

Some papers will be selected for possible publication in special journal issues.

## **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

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

- **Power and Energy Systems (AfricaPES 2014)**
- **Modelling and Simulation (AfricaMS 2014)**
- **Health Informatics (AfricaHI 2014)**

## SECRETARIAT

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

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## CONFERENCE ANNOUNCEMENT

<http://www.iasted.org/conferences/cfp-812.html>