

International Conference on Applications of Fluid Dynamics

(ICAFD-2012)

September 27-28, 2012

Gaborone, Botswana



UNIVERSITY OF BOTSWANA



UNIVERSITY OF GLASGOW

Organized by

Fluid Mechanics Group, Department of Mathematics, Faculty of Science

University of Botswana

Private Bag 0022

Gaborone

BOTSWANA

In association with

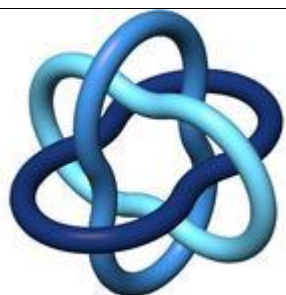
Fluid Mechanics Group, Department of Mathematics

University of Glasgow

Glasgow, G12 8QW

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PURPOSE

This conference aims to equip the young scholars, scientists and teachers of engineering, science and applied mathematics with techniques that are effective in various branches such as meteorology; health sciences, water engineering, and environmental sciences with an emphasis on applications of Fluid Mechanics. This will be an ideal forum to exchange ideas, observe the latest research in Fluid Dynamics, to promote collaborations, to provide motivation and advance the research potential of the researchers in this vibrant and diverse field.

CONFERENCE THEME

Achieving sustainable development in Africa: A Fluid Dynamics approach

LOCATION

Located in Southern Africa, Botswana is a country famous for the Kalahari Desert, Okavango Delta, friendly people, and beautiful landscapes. The economy of Botswana is largely based in diamonds and beef exports; however, the country has currently one of the fastest growing economies in the world, and there is much effort to diversify the economy by moving into different sectors such as Information and Technology. Tourism is also a very important industry in Botswana. Every year people come to enjoy Botswana's diverse wildlife and vegetation. Come and enjoy one of Botswana's famous safaris to experience the true African wilderness at Chobe National Park. Regardless of your past travel experiences Botswana is sure to have something new and exciting to offer!

CLIMATE

In September/October the climate in Gaborone is very pleasant, tends to be dry, the days are cooler than in summer and the nights are warmer than in winter.

SCOPE

The topics of interest to be covered include, but are not limited to:

- Low Reynolds number flow with all related applications (for example, bio-fluids, transition through porous media etc.),
- High Reynolds number and boundary layer flow,
- Stability, instability of flow and turbulence,

- Mathematical properties of Navier-Stokes equation (Vortex dynamics and others),
- Analytical and computational methods including modeling,
- Any other topic related to fluid flow.

LOCAL ORGANISING COMMITTEE

Prof E. M. Lungu (Chairperson)
 Dr N. Chaturvedi
 Dr O. A. Daman
 Prof J –B. Gatsinzi
 Mrs S. N. Kooepile-Reikeletseng
 Dr O. S. Motsamai
 Prof J. Prakash (Organizing Secretary)
 Prof V. C. C. Raju
 Dr M. A. Robdera

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 Prof J. B. Shukla, Indian Institute of Technology Kanpur, India
 Prof Precious Sibanda, University of KwaZulu – Natal, South Africa
 Prof Hamidou Toure (Bourkina Faso)

IMPORTANT DEADLINES

Submission of abstract	1 April 2012
Notification of acceptance	30 April 2012
Full manuscript due (for peer review)	15 August 2012
Revised final manuscript due	30 October 2012

(For publication in the conference proceedings)

REGISTRATION FEE

Delegates US\$75 or equivalent BWP 540

Students US\$25 or equivalent BWP 180

ACCOMODATION

Wide range of accommodation to suit every pocket and requirement are available in the vicinity of the University of Botswana. These include lodges, guest houses, tourist hotels, motels.

Gaborone Sun, 4727 Chuma Drive, Private Bag 0016, Gaborone www.suninternational.com
P870.00 Single Executive Room per night with Breakfast, P140.00 extra, if sharing the room

Cresta President, Gaborone, www.crestahotels.com P 937.00 single per night, P1071.00 double per night without breakfast

Blakendene Lodge, Plot 769, Extension 2, Tati Road, Gaborone www.brackendenelodge.com
P 410.00 Single en-suite per person, P 450.00 Double en-suite per night with breakfast

Cresta Lodge, Samora Machel Drive, Private Bag 00126, Gaborone www.crestahotels.com
P991.00 for a single room per night, P1128.00 for a double room (including VAT & Training Levy)

Peermont Mondior Summit, Gaborone P 1045.00 (Studio Room), P1310.00 (1 Bedroom Suite), per person per night exclusive of Breakfast

Planet Lodge, Plot 514, Southring Road, Extension 4, Gaborone www.planetlodges.com
P340.00 Single sharing, P425.00 Double sharing per night

Motheo Apartments, Plot 4710, Moremi Road off Independence Avenue, Gaborone www.motheoapartments.co.bw P472.00 (Studio apartment), P506.00 (One bed room) per night

Lethakena Lodge, Plot 21134 Giraffe Road, Village, Gaborone, P400. 00 per night with a double bed

Lolwapa Lodge, Gaborone P300.00 per night with a double bed without breakfast

CONTACT ADDRESS

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