

# 6<sup>th</sup> Africa Transportation Technology Transfer (T<sup>2</sup>) Conference

## Africa T<sup>2</sup> 2013

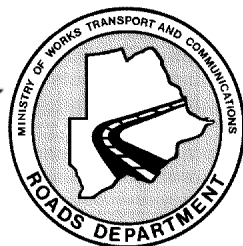


## Effective Management of Transport Infrastructure for Economic Recovery in Africa

From 4<sup>th</sup> to 8<sup>th</sup> March 2013  
Grand Palm Hotel, Gaborone, Botswana

**FIRST ANNOUNCEMENT AND  
CALL FOR PAPERS AND EXHIBITORS**

*Supported by*



UNIVERSITY OF BOTSWANA

April 2012

# What the Africa T<sup>2</sup> Conference is About

This Africa Transportation Technology Transfer (T<sup>2</sup>) Conference is a forum intended to share, exchange and debate experiences, best practices, and new technologies in the provision, maintenance and management of all modes of transport. It is also a forum for sharing and exchange of existing and new approaches on technology transfer that enables countries to develop effective management of transport infrastructures, which are safe, efficient, reliable and affordable. The conference format includes Technical Presentation, short courses, workshops as well as Exhibitions on Products, Technologies and Services.

The main objectives of organizing the conference are:

- i) To promote Technology Transfer for Developing Sustainable Transportation Systems in Africa.
- ii) To promote establishment and operations of Technology Transfer Centres as means for facilitating appropriate effective technology transfer in the transport sector.
- iii) To provide a forum for discussion and exchange of views as well as learn experiences of best practices and innovative solutions in the Transportation Industry.

The Ministry of Transport and Communications, Botswana in collaboration with the Association of Southern African National Road Agencies (ASANRA) and other stakeholders in the transport sector worldwide is organizing the 6<sup>th</sup> Africa International Transportation Technology Transfer Conference to be held at **Grand Palm Hotel (Gaborone International Conference Centre – GICC)** in **Gaborone, Botswana**, from **4<sup>th</sup> to 8<sup>th</sup> March 2013**. The Conference Theme is **“Effective Management of Transport Infrastructure for Economic Recovery in Africa”**

Also at the conference venue, an exhibition of technologies, products and services – a showcase for all related industries will be held in conjunction with the conference whereby construction companies, local and foreign equipment and raw material suppliers and consultants will be able to exhibit their products, services and technologies. Exhibition space is available on a first come, first served basis.

This is the First Announcement and Call for Papers and Exhibitors. The Organising Committee of the 6<sup>th</sup> Africa International Transportation Technology Transfer Conference invites everyone to submit their papers pertaining to any of the topics to be dealt with in the Thematic Areas. Participants wishing to present papers to the 6<sup>th</sup> Africa T<sup>2</sup> Conference are invited to send a one page abstracts written in English, to reach the Secretariat email ( [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw) ) by **31<sup>th</sup> July 2012**.

There will be **Africa T<sup>2</sup> 2013 Prize Competition**. By submitting a paper in response to the Call for Papers authors will automatically be entered in the Africa T<sup>2</sup> 2012 Prize Competition and have a chance to win one of the three prizes for the Best Papers for the Conference.

Also authors who are **University Students** (undergraduate or graduate) from African countries currently enrolled at any university by submitting a paper in response to the Call for Papers will automatically be entered in the Africa T<sup>2</sup> 2013 Students Prize Competition and have a chance to win one of the three prizes for the Best Paper Students Category at the Conference.

More than **300** participants from most African countries, United States of America, Europe, Latin America, Asia, and Australia are expected to attend the conference. The Conference is targeted for transport sector policy and decision makers, providers of all modes of transport, development partners, practitioners, contractors, consultants, researchers, the academia, students, transport users and other interested parties.

## Goals of the Conference

- Updated, increased and exchanged know-how and experiences among professionals, researchers, users and other interested parties in the transport sector.
- Increased knowledge shared about break-throughs in the managing of roads and other modes of transport, the introduction of brand new construction techniques, exchange experiences related to maintenance systems, all of which aims at optimising construction and conservation costs and to achieve the lowest possible transportation costs.
- Increased knowledge shared about the latest technologies in terms of project, construction and management of pavements, basic works, traffic, transportation, the environment and road safety.
- Exchanges in opinions on the most convenient alternatives to generate economic resources and financing strategies.
- Issues of road safety raised and integrated into the social and political agenda of the community.
- Solutions which may allow permanent road access to rural areas discussed and their impact on the productive and logistic national system analysed.
- The ordering, planning and management of transport, be it freight or passengers, both in rural and urban areas discussed.
- Exchanged experiences about transport inter-modality and about its logistic management.
- Technology Transfer for Developing Sustainable Transportation Systems in Africa promoted.
- Establishment and operations of Technology Transfer Centres as means for facilitating appropriate effective technology transfer promoted.

A great opportunity exists to sponsor the Africa T<sup>2</sup> Conference. Details on Sponsorship Opportunities and Sponsorship Commitment Form are attached.

# Background

The Botswana Transportation Technology Transfer (T<sup>2</sup>) Centre is organizing the 6th Africa Transportation Technology Transfer (T<sup>2</sup>) Conference that will be held at the Grand Palm Hotel, Gaborone, Botswana from 4<sup>th</sup> – 8<sup>th</sup> March 2013. A total of more than **200 delegates** from various Countries in 5 Continents of Africa, America, Asia, Australia and Europe are expected to attend the Conference.

The Conference Objectives are:

- iv) To promote Technology Transfer in Transportation sector in Africa
- v) To promote Establishment of Technology Transfer Centres as means for facilitating Effective Technology Transfer
- vi) To Provide a Forum for Discussion and Exchange of Views on Transportation issues

Since year 2001, Tanzania set a landmark for the Africa continent to hold such remarkable event on the Transportation Technology Transfer. It was decided during the 1<sup>st</sup> Africa T<sup>2</sup> Conference that the event would be held bi-annual. Since then, the Association of Southern Africa National Road Agencies (ASANRA) through its sixth Standing Committees on Regional Technology Transfer Centre in collaboration with Ministries and Agencies responsible for the transport sector in the member states of the Southern Africa Development Community (SADC) has been organizing Africa Transportation Technology Transfer (T<sup>2</sup>) Conferences.

The Themes addressed by the past five Africa Transportation Technology Transfer (T<sup>2</sup>) Conferences were as follows:

- 1<sup>st</sup> Africa T<sup>2</sup> Conference held in Arusha Tanzania from 23<sup>rd</sup> – 25<sup>th</sup> May 2001 and hosted by Tanzania Transportation Technology Transfer Centre: **“Technology Transfer in Road Transportation in Africa”**
- 2<sup>nd</sup> Africa T<sup>2</sup> Conference held in St. Pietermaritzburg, KwaZulu Natal, South Africa from 20<sup>th</sup> – 23<sup>rd</sup> September 2005 hosted by KwaZulu Natal Department of Transport: **“Transportation Technology Transfer in Africa’s Renaissance”**
- 3<sup>rd</sup> Africa T<sup>2</sup> Conference held in Mangochi, Malawi from 23<sup>rd</sup> – 25<sup>th</sup> May 2007 hosted by Ministry of Transport and Public Works in Malawi: **“Technology Transfer for Africa’s Sustainable Transportation System”**
- 4<sup>th</sup> Africa T<sup>2</sup> Conference held in Windhoek, Namibia from 31<sup>st</sup> August to 4<sup>th</sup> September 2009 hosted by Roads Authority of Namibia: **“Capacity Building Opportunities in the Transport Sector”**
- 5<sup>th</sup> Africa T<sup>2</sup> Conference held in Arusha, Tanzania from 21<sup>st</sup> – 25<sup>th</sup> November 2011 hosted by Tanzania Transportation Technology Transfer Centre: **“Developing Safe, Reliable and Sustainable Transportation Systems for Socio - Economic Development in Africa”**

During the past Africa Transportation T<sup>2</sup> Conferences, various presentations were made to address those themes. The Events have facilitated bringing together Member States, Ministries responsible for transport infrastructure, Roads Agencies and Authorities and Technology Transfer Centres in the region. In addition, among other things, the events have facilitated the following:

- i) Exchange and sharing of technological information for transport infrastructure development
- ii) Conducting of Technical Site Visits that enables professionals to learn from each other regarding application of appropriate materials in road construction, technologies, operations of various transportation modes such as roads and ports.
- iii) Carried out Capacity Building Programmes such as training courses that were conducted concurrently with the conference.
- iv) Exhibitions on various products, technologies, and services applied by companies, organizations and institutions from within and outside Africa.
- v) Formulation of collaborations and partnerships between institutions from Africa and those outside Africa.
- vi) Gathering of professionals from various countries inside and outside Africa and sharing experiences and innovative solutions.
- vii) Visiting natural resources and sight seeing in host countries.

In this respect, the Africa Transportation T<sup>2</sup> Conference has been an event that has put Africa as a continent on the global map. In consideration of the above said, Botswana through the Ministry of Transport and Communications has accepted the recommendation by ASANRA to host the 6<sup>th</sup> Africa Transportation Technology Transfer Conference that will include Technical Presentation as well as Exhibitions on Products, Technologies and Services.





# 6<sup>th</sup> Africa T<sup>2</sup> Conference

This 6<sup>th</sup> Africa Transportation Technology Transfer (T<sup>2</sup>) Conference is set to be a major event that will take place in Grand Palm Hotel, Gaborone, Botswana, Southern Africa.



The Conference will take place from 4<sup>th</sup> – 8<sup>th</sup> March in 2013, during which various selected presentations, courses and workshops shall be made pertaining to the conference Thematic-Areas and topics. Likewise there will be Special Sessions on fascinating topics and programmed technical site visits will be arranged so that each of the participants can optimise their stay and take part in as many of the activities as possible.

Being fully aware of the current trends, the Regional Technology Transfer and Capacity Building Committee has considered it necessary to further its agenda on the various aspects the conference will be addressing; issues ranging from Transport Asset Management, Transport Sector Governance, Sustainable Innovations in Transport Technologies, Alternative Construction Materials, Maintenance of Transport Infrastructure, and Cross Cutting Issues in Transport Sector.



# Thematic Areas

The 6<sup>th</sup> Africa Transportation Technology Transfer (T<sup>2</sup>) Conference is aimed at encouraging the transfer of technology among various sectors and/or countries, promoting the search for innovative solutions whereby the managing of transport networks can be effectively solved, as well as allowing participants to suggest proposals leading to improved quality of the transportation systems ( involving Road, Rail, Air and Marine Transportation), lower transportation costs and higher safety in transport operations. Moreover, the forum will help in promoting the need to improve access to marginal roads, reduce the negative impacts of transport infrastructure works on the environment, and to encourage connections among countries in Africa. The topics to be dealt with during the conference will be grouped in **six Thematic Areas**, and there are no restrictions on attending any one specific area; such grouping of themes serves only the organizational purpose of listing.

## 1. Transport Asset Management

- Transport Asset Management Systems
- Transport Asset Management Policy and Planning
- Asset Risk Assessment and Management
- Performance Evaluation and Monitoring

## 2. Transport Sector Governance

- Public Finance Management (PFM)
- Effective Performance of Transport Administrations
- Sustainable Public Private Partnership (PPP)
- Effective Contract Procurement and Execution
- Effective Leadership in transport sector

## 3. Sustainable Innovations in Transport Technologies

- Rural Accessibility and Mobility
- Public and Urban Transport Planning and Management
- Promotion and Application of Appropriate Technologies
- Low Volume Roads innovations
- Standardisation of Transport Technologies
- Construction Industry Development
- Technology transfer and capacity building

## 4. Alternative Construction Materials

- Material Inventory and Database Initiatives
- Appropriate Design Specifications
- Soil Stabilisation Methodologies
- Material Recycling and Applications

## 5. Maintenance of Transport Infrastructure

- Intelligent Maintenance Systems
- Adequate Maintenance Funding Mechanism
- Effective Pavement Overloading Control
- Labour Based Maintenance of Rural Transport Infrastructure
- Best Practices in Implementing Maintenance Interventions

## 6. Cross Cutting Issues in the Transport Sector

- Transport Safety and Security
- Environmental Impact Assessment
- Mainstreaming Climate Change in Transport
- Community Participation and Ownership of Transport Infrastructure
- Mainstreaming of Gender, HIV/AIDS, Child labour, human/drug trafficking
- Harmonisation of Cross Border Traffic
- Research and Development



## International Technical Advisory Committee

Members for the International Technical Advisory Committee for the Conference are from the following international organisations and institutions which have been involved in supporting the development and management of the transport sector in African countries and are also supporting organisation of the 6<sup>th</sup> Africa T<sub>2</sub> Conference: -

- ASANRA
- Regional Technology Transfer Centre
- ARMFA
- AFCAP
- PIARC
- US FHWA
- SSATP



# Provisional Programme

The following is the provisional programme for the 6<sup>th</sup> Africa T<sup>2</sup> conference

Provisional Programme					
Time (hours)	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
08:00 – 10:00	Registration and Official Opening Ceremony	<b>General Session</b>	<b>General Session</b>	<b>General Session</b>	Site Visits
10:00 – 10:30	Coffee/Tea Break				
10:30 – 13:00	<b>General Session</b>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	
13:00 – 14:00	Lunch Break				
14:00 – 15:30	Parallel Sessions	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	<b>General Session</b>	
15:30 – 16:00	Coffee/Tea Break				
16:00 – 17:30	<b>Minister's Session</b>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	Parallel Sessions <ul style="list-style-type: none"> <li>▪ Paper Presentations</li> <li>▪ Conducting Courses/ Workshops</li> </ul>	<b>CEO of Road Agencies Session</b>	
17:30 – 18:30				Official Closing Ceremony	
18:30 – 09:00	<b>Exhibitions Opening &amp; Welcome Cocktail</b>		<b>Conference Dinner</b>		

NB: An exhibition of technologies, products and services – a showcase for all related industries will be held at Grand Palm Hotel in conjunction with the conference

*In order to reward the zeal and dedication of authors, the Organising Committee of the 6<sup>th</sup> Africa Transportation Technology Transfer Conference, has waived payment of registration fees for paper presenters.*

# Conducting Courses and Workshops

Courses and Workshops that aims at addressing the critical challenges in the transport sector in Africa in particular the road, rail, air and marine sub-sector will be conducted during parallel sessions at the 6<sup>th</sup> Africa T<sup>2</sup> Conference. The total allocated duration for courses/workshops is about 14 hours spread over about two days. **Whoever as an institution or individual would like to conduct/offer a course or workshop at the conference, is requested to submit a proposal with costs to the Executive Secretariat of the Conference.** The Conference Organising Committee requests for whoever is submitting the proposal to meet the costs for conducting the course/workshop. The proposal for conducting the course/workshop among others should cover and ensure the following:-

- Venue: Grand Palm Hotel, Gaborone, Botswana
- Dates: 4<sup>th</sup> to 7<sup>th</sup> March 2013
- Justification why the course or workshop should be conducted
- Course/Workshop objectives and outcomes
- The targeted professionals
- The language for the Course/Workshop is English
- The class size is **25 - 50 participants**
- Instructors and resource persons and their Curriculum Vitae (CVs) indicating the capability to undertake the assignment
- Course content to address what is being practiced in Africa and best practices and practical activities carried out in other continents outside Africa.
- Since course/workshop participants are expected to be adults, 60% of training duration has to involve participants (**hands on type of course/workshop**). Involvement of participants includes discussions, group activities, exercises, case studies, computer based activities, etc.
- Considering using different visual aides (power point presentation, flipcharts, videos, etc.) to enhance the training.
- Creating an environment for participants to share their experiences and learn from each other
- Creating an opportunity for participants to apply the knowledge after attending the course/workshop
- Conducting course/workshop evaluation to get feedback from participants
- Preparation and submission of the course/workshop report to the Executive Secretariat of the Conference within three months after the conference.

The proposal should reach the Conference Secretariat by **31<sup>st</sup> July 2012.**

# Papers

THE ORGANISING COMMITTEE OF THE 6<sup>TH</sup> AFRICA TRANSPORTATION TECHNOLOGY TRANSFER CONFERENCE INVITES EVERYONE TO SUBMIT THEIR PAPERS PERTAINING TO ANY OF THE TOPICS TO BE DEALT WITH IN THE AFOREMENTIONED THEMATIC-AREAS.

The Organising Committee of the 6<sup>th</sup> Africa Transportation Technology Transfer Conference invites everyone to submit their papers pertaining to any of the topics to be dealt with in the Thematic - Areas.

The papers must be original and unpublished; i.e cannot have been published either in national or international forums or conferences before. Exceptionally, the Organising Committee may authorise the presentation of already published papers provided they contain some new, significant information: any such elements will be deemed relevant by the Organising Committee itself. Papers accepted will be published in the Conference Proceedings.

The papers thus presented to the conference may later be reproduced, either totally or partially, by their own authors, provided they mention that such paper(s) was/were previously presented at the 6<sup>th</sup> Africa Transportation Technology Transfer Conference.

It is therefore clearly established that once an author submits his/her paper to the conference he/she will accept its conditions without any further requirement.

The Organising Committee, through its Technical Committee and International Technical Advisory Committee, will evaluate all papers so as to assess its content and that all requirements are met. Failure to comply with any requirement for papers will be reason enough for rejection and authors will be notified accordingly.

## Paper Requirements

### Abstracts

High calibre papers that are relevant to the conference Sub-themes are invited. Participants wishing to present papers to the 6<sup>th</sup> Africa T<sup>2</sup> Conference are invited to send a one page abstracts written in English, to reach the Secretariat by **31<sup>st</sup> July 2011**. The purpose of the abstract is to describe the content of the paper and give enough indication regarding the content of the paper to encourage the reader's interest. Up to five keywords should be included which summarizes key subjects covered by the paper. Please complete and return the accompanying registration form. The following information should also be included on the same page: -

- Title of the paper.
- Name(s) of author and co-author(s).

- The corresponding author's title, initials and name, organisation and postal address, phone, fax and e-mail details
- Abstract not exceeding **500** words

Abstracts should be submitted **online** or sent by e-mail to the Conference Secretariat at the following e-mail address: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)

## Papers

Please note that papers submitted in response to this Call for Papers will be subjected to a full peer review process. **Deadline dates** will be as follows: -

**31<sup>st</sup> July 2012 :** Deadline for Electronic submission of abstracts

**15<sup>th</sup> August 2012 :** Provisional Acceptance. Authors advised to submit full papers

**31<sup>st</sup> October 2012:** Deadline for Submission of full papers in the required format.

**15<sup>th</sup> December 2012:** Reviewed papers returned to authors for possible amendment.

**31<sup>st</sup> January 2013:**Deadline for Submission of amended papers with Power point copy

**4<sup>th</sup> – 8<sup>th</sup> March 2013: CONFERENCE** at Grand Palm Hotel, Gaborone, Botswana

All “papers” presented will have to meet the requirement below:

### Review

- Papers must be original and unpublished; i.e cannot have been published either in national or international forums or conferences before. Exceptionally, the Organising Committee may authorise the presentation of already published papers provided they contain some new, significant information: any such elements will be deemed relevant by the Organising Committee itself..
- No paper is accepted for Africa T<sup>2</sup> Conference until it has been reviewed by the Editor or one of the Associate Editors and at least two outside reviewers who are international competent experts in their respective fields.
  - Papers are sent to reviewers for their peer review process.
  - The reviewers' recommendations determine whether a paper will be accepted / accepted subject to change / subject to resubmission with significant changes / rejected.
  - For papers which require changes, the same reviewers will be used to ensure that the quality of the revised paper is acceptable.
- All papers are judged on their contribution to the advancement of the science, technology and/or practice in **Effective Management of Transport Infrastructure for Economic Recovery in Africa**.
- Papers are judged not only on depth and scope of ideas presented and their contribution to the field, but also on their clarity, organization, readability, and comprehensibility.

- Papers should be written in a manner that is interesting and readable to both practitioners and academics.
- The presentation shall be made in paper from type A4, in Arial size 12, the margins will be: Upper 3,50 cm, Inferior 2,50 cm. Left 2,50 cm and Right 2,50 cm. Pages will be numbered on the lower right angle, with the format Page No. – Total Number of pages. Interline: 1.5 lines. . Please allow the text to wrap, rather than entering a RETURN or LINEFEED after every line.
- Any graphics, photographs, diagrams and tables must be inserted in the text as appropriate, handing them in separately will on no account be accepted.
- The sections of the paper should be placed in the following order: Abstract (on a page by itself), Title page, Body of the Text, References, and Appendices.
- The works of writing must have a preface reading: Title of the Paper, Name and Surname of the author(s), complete address (zip code), telephone Number/Fax/ E-mail.
- The paper's text will not surpass 10,000 words (not counting the Summary or bibliography, if any). This requirement must be checked by the author prior to submitting his/her paper. Failure to do so will be reason enough to reject the paper.
- Papers should be submitted electronically, preferably in Microsoft Word, in original editable file written in English Language to the Editors at the following e-mail address: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)

## **Body**

Major headings should be numbered, capitalized, bold and left aligned; sub-headings should be numbered, italicized and left aligned.

Use tab indents to set indentations for paragraphs and lists, rather than spaces. Type text left and right justified. Do not break words with hyphens at the end of lines. Citations in the text should be listed by the author's last name and year of publication enclosed in parentheses: (Baitani, 2007).

For multiple authors, use the first author's name followed by "et al." A series of citations should be listed in alphabetical order and separated by semicolons: (Baitani, 2007; Patrick, 2006).

## **Illustrations (Tables and Figures)**

Each illustration should be numbered consecutively within its series type (Table 1, Table 2, Figure 1, Figure 2). If illustrations appear in appendices, they should be numbered consecutively, but separately from body illustrations (e.g., Table A-1, Figure A-1). In the text, refer to tables and figures by their numbers. Avoid using "above," "below," "preceding," and similar terms. All Tables and Figures must have titles. Titles for each Table and Figure should be descriptive but not lengthy. The title should be in bold letters at the top of the Table or Figure.

Tables and Figures should be called "Table" or "Figure" and should be followed by a blank line and then the title for the table or figure also in bold letters at the top of the table or figure.

For Proceedings purposes, tables and figures are defined as follows: a table is comprised of rows and columns of numbers and/or text; a figure is a chart, graph,



diagram, map, drawing, or any other non-text item that is not a table. Tables should be typed in the following style:

### **General Design**

For more effective communication and better quality reproduction when printed, tables and figures should be kept as simple and uncluttered as possible, while conveying all necessary information.

### **Details**

Footnotes should appear directly below illustrations, flush with the left edge, and they should be designated by small letters, rather than asterisks or numerals. Column or row heads should be footnoted only if the footnote applies to all items in the column or row. Complete source information must be provided for illustrations copied or derived from other sources. This complete information should be provided and an author-date citation should be given in a source note on the illustration. (Source notes are sized and placed like footnotes, below any footnotes for the illustration.)

If elements on an illustration are not labelled, but represent certain categories, items, or amounts, a complete key (legend) should be included. Make sure that necessary measures of statistical significance are reported with each illustration. Designate units (percent, dollars, hours, etc.) in column and row headings (tables) or in element labels or keys (figures). Separate from each figure, give numerical values for all points, bars, pie slices, etc., so that they can be readily reproduced by the typesetter, if necessary. Double-check formulae and mathematical terms and equations for consistency, readability, and accuracy. Add extra space between characters to clarify and separate the terms, and be sure that sub and superscript relationships are clear. Check for opening and closing parenthesis and brackets. Write the names of Greek and special characters in the margin.

Use tab indents or column alignment, rather than spaces, to align columns and indent headings.

English (UK) spelling should be used; foreign terms not commonly used in English (UK) should be italicized.

### **Regarding Mathematical Notation**

The percent sign (%) should be used in text and in tables. Mathematical notation must be clear within the text and illustrations. All equations must be very clearly typed. Display (separate line) equations should be aligned to the left margin. Italic type is used for letters in equations, except for trigonometric functions and logarithm abbreviations, which are plain (normal) type. Matrices and vectors are in boldface type. (If these cannot be typed in italic and boldface, italic type can be indicated by a hand-drawn straight underline and boldface by a wavy underline). Unusual and Greek symbols should be typed in the text using the Symbol capability. If no Symbol capability is possible, such special characters should be identified by name in a marginal note. (This is important; the editor may be not familiar with these symbols and may have difficulty producing the correct one without a marginal note.) For equations that might be too long to type in a 6" column, indicate appropriate breaks.

### **References**

References are to be listed alphabetically, last name first, followed by publication date in parentheses. Use full first name, not just initials. The reference list should be typed single spaced in 12-point type. Please let the Endnotes wrap rather than using tabs or

returns at the end of internal lines. Do not use indents, tabs, or symbols to delineate your paragraphs. Instead, use two hard returns between each reference.

**No Commercial reference is allowed.**

**Journal Articles:**

Polychronakis, Y. E. (2007), “[Application of Project Management Principles for Supply Chain Development in the Public Sector](#),” International Journal of Logistics and Transport, Vol.1, No. 1, pp. 135-145.

**Books:**

Stock, J.R. & Lambert, D.M. (2001), [Strategic Logistics Management](#), 4th Ed. New York: McGraw-Hill Irwin.

Authors are responsible for the accuracy of their references. Check them carefully. Readers’ questions and comments about incomplete and inaccurate References will be referred to the article authors with a follow-up by the Editor. All authors of a referenced work should be listed; et al. should not be used in the Reference list. Undefined acronyms should not be used.

**Appendices**

If any mathematical proof or development is used but not critical to the exposition of the main argument of the paper, authors should include it in an appendix. An appendix may also be used for the mathematical material that may be beyond the level of the average reader.

**Electronic Submission**

Papers should be submitted electronically, preferably in Microsoft Word, to the Editors at the following e-mail address: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)

When the authors are notified of acceptance, they will be asked to provide the final, accepted version of the article in electronic format containing the article text files.

**OTHER REQUESTS FOR SUBMISSION**

All correspondence regarding submission should be directed to:  
Conference Secretariat, 6<sup>th</sup> Africa T<sup>2</sup> Conference, Tel.:+267 3554743; Cell +267 7191042; Fax: +267 3554746; E-mail: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)

## **Africa T<sup>2</sup> 2013 Prize Competition**

There will be Africa T<sup>2</sup> 2013 Prize Competition. By submitting a paper in response to the Call for Papers authors will automatically be entered in the Africa T<sup>2</sup> 2013 Prize Competition and have a chance to win one of the three prizes for the Best Papers for the Conference.

Also authors who are University Students (undergraduate or graduate) from African countries currently enrolled at any university by submitting a paper in response to the Call for Papers will automatically be entered in the Africa T<sup>2</sup> 2013 Students Prize Competition and have a chance to win one of the three prizes for the Best Paper Students Category at the Conference. More information about Africa T<sup>2</sup> 2013 Students Prize Competition is provided below: -

### ***University Student Competition on Management of Transport Infrastructure for African Countries***

One of the ASANRA objectives is to promote best practices through innovations and it is along this thinking that the university student competition on management of urban transport congestion has been put forward. The aim of the competition is to develop interest in university students from African countries who are the future transportation workforce to be creative and innovative. The students are expected to express in writing, their experience regarding urban traffic congestion, available best practices worldwide and their innovative ideas, perspective and approaches on management of urban transport congestion to adapt them for resolving the challenge of urban traffic congestion in African cities on a sustainable manner and contribute in improving reliability and safety of the transportation systems.

#### **WHO MAY APPLY**

Undergraduate or graduate students from African countries currently enrolled at any university are eligible. Presentations from all disciplines are invited.

#### **HOW TO APPLY**

All authors who are university students by submitting a paper in response to the Call for Papers for the 6<sup>th</sup> Africa Transportation Technology Transfer Conference will automatically be entered in the Africa T<sup>2</sup> 2013 Students Prize Competition and have a chance to win one of the three prizes for the Best Paper Students Category at the Conference. The prize for the Best Paper for the Conference and a Prize for the Best Paper Students Category will be awarded by the International Technical Advisory Committee of the Conference.

#### **PRIZE**

The First, Second and Third Winners of the Best Paper Students Category will receive prizes. For each paper selected for a prize, the Conference Organisers will pay the travel expenses (economy class), accommodation, half board and registration fees to attend the conference for one of the co-authors of the paper.

#### **PAPER ASSESSMENT CRITERIA**

The submissions will be reviewed by the International Technical Advisory Committee for the Conference. Key issues to be assessed by judges include:-

1. The paper being presented covering practical case studies
2. Description of the urban transport management problem in Africa Cities with data
3. Analysis of the transport management challenges
4. Well-structured paper with clear arguments
5. Possible local resource based appropriate solutions
6. Focusing on innovative solutions
7. Recommended solutions to the challenges of transport management
8. Futuristic thinking
9. Transfer of adopted technology and best practices.
10. Sustainability.

The prize for the Best Paper for the Conference and a Prize for the Best Paper Students Category will be awarded by the Conference Organisers.

For each paper selected for a prize, the conference organisers will pay the travel expenses (economy class), full board accommodation and registration fees to attend the conference for one of the co-authors of the paper.

## Language

The official language of the conference will be English. There will be no interpretations.

## Registration Fees

The Registration Fees for attending the conference have been established as follows:

Categories	Until 31 <sup>st</sup> of October 2012	After 31 <sup>st</sup> of October 2012
Foreign delegates	US\$ 300	US\$ 350
Botswana delegates	P 2,000	P 2,500
Foreign Students	US\$ 100	US\$ 150
Botswana Students	P 1,000	P 1,500
Accompanying Persons	US\$ 150	US\$ 200
Exhibitor	US\$ 1,000	US\$ 1,500

### The Registration Fees for the Conference attendants cover:-

- Conference attendance
- Conference documents
- Access to Exhibitions
- Conference teas and lunches
- Conference dinner
- Technical Site visits
- Courtesy transport to and fro the Airport for foreign delegates only.

Delegates to attend the conference are required to fill the registration forms online or fill the registration form and submit by e-mail to the Conference Secretariat at [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw) Each person attending should submit a separate registration form.

### **The Registration Fees for Conference Accompanying Persons cover: -**

- Conference Accompanying Persons Program
- Access to Exhibitions
- Attendance to the Opening Ceremony
- Conference dinner
- Courtesy transport to and from the Airports for foreign delegates only.
- Reduced/Discounted rates at designated hotels for attending the conference

Information on persons expecting to accompany delegate to the conference are to be filled in on the same registration form for the delegate.

The Conference Secretariat will be pleased to send a **letter of invitation** to any person upon request. Letter of invitation can be obtained either **online** through the Conference Website or by submitting the request to the Conference Secretariat through the provided conference contacts.

## **Exhibitions**

At Grand Palm Hotel an exhibition of technologies, products and services – a showcase for all related industries will be held in conjunction with the conference whereby construction companies, local and foreign equipment and raw material suppliers and consultants will be able to exhibit their products, services and technologies. Exhibition space is available on a first come, first served basis.

### **The Registration Fees for Exhibitors cover:-**

- Provision of Exhibition Facilities
  - Exhibition space
  - Electricity Socket connection
  - 1 Table
  - 2 Chairs
  - 1 waste basket
  - Your Company Name on the site of the event
- Exhibitor Company Data in the Official Guide
- 2 Exhibitor badges per exhibition booth
- Attendance to the Opening Ceremony
- Conference dinner
- Conference documents
- Conference teas and lunches

Organisations and institutions wishing to exhibit are required to fill the registration form and submit by e-mail to the Conference Secretariat at [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw) In case you need further information please contact the Executive Secretariat through provided conference contacts.



# Contact

For any further information, participants may refer to:

Simon A. Oladele  
Manager  
Botswana Transportation Technology  
Transfer Centre &  
Secretary, Organising Committee for the  
6<sup>th</sup> Africa T2 Conference  
Private Bag 0061  
Gaborone, Botswana  
E-mail: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)  
Tel. 267 3554743;  
Cell: +267 71910432  
Fax. 267 3554746



## Registration Form

Registration Forms for participation at the 6th Africa T<sup>2</sup> Conference as a delegate, paper presenter or exhibitor are attached.

## Cancellation Policy

A confirmation of your registration will be sent to you. Cancellation and refund requests must be submitted in writing to the Conference/Executive Secretariat.

- Cancellations prior to **1<sup>st</sup> February 2013**.  
A 50% reimbursement will be given on the registration fees.
- Cancellations made after **1<sup>st</sup> February 2013** and /or no shows.  
No reimbursement whatsoever will be given.  
Substitutions will be accepted for individuals within the same organisation.

## Sponsorship Opportunities

A great opportunity exists to sponsor the Africa T<sup>2</sup> Conference. There are a range of sponsorship opportunities available for the conference, including: -

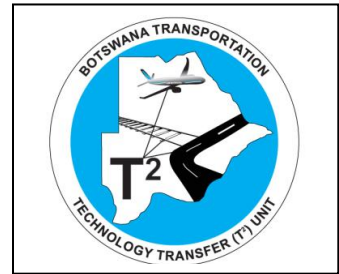
- **Platinum (US\$ 15,000+)**
  - Custom Package tailored for the Sponsor's needs

- **Gold (US\$ 15,000)**
  - Exposure and acknowledgement as Gold Sponsor at Opening and Closing Ceremonies
  - Five-minute welcome address by Sponsor's Representative at the Opening Ceremony
  - Corporate Banner displayed at Opening Ceremony
  - Inclusion of logo on conference banner
  - Logo on cover and half page advertisement in Program and Conference Abstract Book
  - Logo recognition in conference brochure/advertisement
  - Acknowledgement on all conference advertising
  - Acknowledgement on all conference media releases
  - Acknowledgement in all plenary sessions and training courses
  - Logo on opening screen of Proceedings CD and on CD Cover
  - Exhibition booth
  - Two free conference registrations
  - 20% off registration for company staff & guests
- **Silver (US\$ 14,000)**
  - Exposure and acknowledgement as Silver Sponsor at Opening and Closing Ceremonies
  - Inclusion of logo on conference banner
  - Logo on cover and quarter page advertisement in Program and Conference Abstract Book
  - Five-minute welcome address by Sponsor's Representative at the Opening Ceremony
  - Logo recognition in conference brochure/advertisement
  - Acknowledgement on all conference advertising
  - Acknowledgement on all conference media releases
  - Acknowledgement in all plenary sessions
  - Logo on opening screen of Proceedings CD
  - Exhibition booth
  - Two free conference registrations
  - 20% off registration for company staff & guests
- **Welcome Cocktail Party (US\$ 13,750)**
  - Recognition as sponsor of Welcome Cocktail Party
  - Five minutes presentation by Sponsor's Representative at Welcome Cocktail Party
  - Corporate Banner displayed at Welcome Cocktail Party
  - Opportunity to provide placemats/promotional items at Welcome Cocktail Party
  - Two free of charge delegates
- **Conference Dinner (US\$ 12,500)**
  - Recognition as sponsor of the Conference Dinner
  - Five minutes presentation by Sponsor's Representative at Conference Dinner
  - Corporate Banner displayed at Conference Dinner

- Opportunity to provide placemats/promotional items at Dinner
- Two free of charge delegates
- **Africa T<sup>2</sup> 2013 Prize Competition (US\$ 12,500)**
  - Recognition as sponsor of the Africa T<sup>2</sup> 2013 Prize Competition
  - Corporate Banner displayed at Opening Ceremony and Conference Dinner
  - Inclusion of logo on conference banner
  - Five minutes presentation by Sponsor's Representative at Conference Dinner
  - acknowledgement at Opening and Closing Ceremonies
  - Logo on cover and quarter page advertisement in Program and Conference Abstract Book
  - Logo recognition in conference brochure/advertisement
  - Acknowledgement on all conference advertising
  - Acknowledgement on all conference media releases
  - Acknowledgement in all plenary sessions
  - Logo on opening screen of Proceedings CD
  - Exhibition booth
  - Two free conference registrations
  - 20% off registration for company staff & guests
- **Participants' Conference Pack (Conference Bags & other marketing materials) (US\$ 11,500)**
  - Inclusion of logo on conference banner
  - Recognition as sponsor of Participants Conference Pack
  - acknowledgement at Opening and Closing Ceremonies
  - Logo on cover and quarter page advertisement in Program and Conference Abstract Book
  - Logo recognition in conference brochure/advertisement
  - Acknowledgement on all conference advertising
  - Acknowledgement on all conference media releases
  - Acknowledgement in all plenary sessions
  - Logo on opening screen of Proceedings CD
  - Exhibition booth
  - Two free conference registrations
  - 20% off registration for company staff & guests
- **Pre-Conference Proceedings (US\$ 5,000)**
  - Inclusion of logo on conference banner
  - Recognition as sponsor of Printing of Pre-Conference Proceedings
  - acknowledgement at Opening and Closing Ceremonies
  - Logo on cover of Program and Conference Abstracts Book
  - Logo recognition in conference brochure/advertisement
  - Acknowledgement on all conference advertising
  - Acknowledgement on all conference media releases
  - Acknowledgement in all plenary sessions
  - Logo on opening screen of Proceedings CD
  - Exhibition booth
  - Two free conference registrations
  - 20% off registration for company staff & guests



Ministry of Transport & Comm.



## 6<sup>th</sup> Africa T<sup>2</sup> Conference 2013

# Registration Form - Delegates to the Conference

Please complete a separate registration form per delegate.

Please complete and return as soon as possible to the Secretariat, 6<sup>th</sup> Africa T<sup>2</sup> Conference: Technology Transfer Unit, Private Bag 0061, Gaborone, Botswana. Fax +267 3554746, E-mail: [tectransfer@mopipi.ub.bw](mailto:tectransfer@mopipi.ub.bw)

### REGISTRATION DETAILS

#### PERSONAL DETAILS

Title(Prof/Dr/Mr/Ms/**Student**/Others) \_\_\_\_\_ First Name \_\_\_\_\_

Last Name: \_\_\_\_\_

Initials: \_\_\_\_\_

Organisation: \_\_\_\_\_

\_\_\_\_\_

Position /Title \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City/Suburb/Town \_\_\_\_\_

State \_\_\_\_\_ Country \_\_\_\_\_

Office Telephone: \_\_\_\_\_

Cell phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

## Accompanying Person(s)

No. of Persons: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

## TRAVEL INFO REQUIRED

### Flight Arrival Details (Sir Seretse Khama International Airport, Gaborone, Botswana):

Arriving From: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Arrival Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

### Flight Departure Details (Sir Seretse Khama International Airport, Gaborone, Botswana):

Departing To: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Departure Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

Transport to and from airport required: YES: \_\_\_\_\_ NO: \_\_\_\_\_

\* Please note that a welcome desk to assist with transfers will be available on Saturday 2nd, Sunday 3rd and Monday 4th March 2013 only.

\* Airport transfers will be available on the 8th, 9th, and 10th March 2013 only and can be confirmed at the transfer desk at the conference.

## Accommodation

I will attend and would like the organisers to reserve accommodation for me at \_\_\_\_\_ Hotel at the rate (including taxes and breakfast) of \$ \_\_\_\_\_

I will attend but will make my own accommodation arrangement . I will be staying at \_\_\_\_\_ Hotel.

## DIETARY REQUIREMENTS

None: \_\_\_\_\_ Diabetic: \_\_\_\_\_ Halaal: \_\_\_\_\_

Kosher: \_\_\_\_\_ Vegetarian: \_\_\_\_\_

## PRIVACY

I agree that particulars stated in this form can be displayed in conference documentation

YES: \_\_\_\_\_ NO: \_\_\_\_\_

Payment by Cash / Cheque /Bank Transfer **(Tick appropriate)**



## 6<sup>th</sup> Africa T<sup>2</sup> 2013

# Registration Form – Paper Presenters

Please complete a separate registration form per paper presenter.

Please complete and return as soon as possible to the Secretariat, 6<sup>th</sup> Africa T<sup>2</sup> Conference: Technology Transfer Unit, Private Bag 0061, Gaborone, Botswana. Fax +267 3554746, E-mail: [tectransfer@mopipi.ub.bw](mailto:tectransfer@mopipi.ub.bw)

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### REGISTRATION DETAILS

#### PERSONAL DETAILS

Title(Prof/Dr/Mr/Ms/**Student**/Others) \_\_\_\_\_ First Name \_\_\_\_\_

Last Name: \_\_\_\_\_

Initials: \_\_\_\_\_

Organisation: \_\_\_\_\_

Position /Title \_\_\_\_\_

Address: \_\_\_\_\_

City/Suburb/Town \_\_\_\_\_

State \_\_\_\_\_ Country \_\_\_\_\_

Office Telephone: \_\_\_\_\_

Cell phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

I wish to submit a paper entitled \_\_\_\_\_

under the Thematic Area \_\_\_\_\_

and I enclose a one-page abstract (please include your full name, title and organisation as well as your postal address, phone , fax number and e-mail details on the same page)

## Accompanying Person(s)

No. of Persons: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

## TRAVEL INFO REQUIRED

### Flight Arrival Details (Sir Seretse Khama International Airport, Gaborone, Botswana):

Arriving From: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Arrival Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

### Flight Departure Details (Sir Seretse Khama International Airport, Gaborone, Botswana):

Departing To: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Departure Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

Transport to and from airport required: YES: \_\_\_\_\_ NO: \_\_\_\_\_

\* Please note that a welcome desk to assist with transfers will be available on Saturday 2nd, Sunday 3rd and Monday 4th March 2013 only.

\* Airport transfers will be available on the 8th, 9th, and 10th March 2013 only and can be confirmed at the transfer desk at the conference.

## Accommodation

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I will attend but will make my own accommodation arrangement . I will be staying at \_\_\_\_\_ Hotel.

## DIETARY REQUIREMENTS

None: \_\_\_\_\_ Diabetic: \_\_\_\_\_ Halaal: \_\_\_\_\_

Kosher: \_\_\_\_\_ Vegetarian: \_\_\_\_\_

## PRIVACY

I agree that particulars stated in this form can be displayed in conference documentation

YES: \_\_\_\_\_ NO: \_\_\_\_\_

Payment by  
Cash / Cheque /Bank Transfer **(Tick appropriate)**

## 6<sup>th</sup> Africa T<sup>2</sup> 2013

# Registration Form - Exhibitor

Please complete a separate registration form per Exhibitor.

Please complete and return as soon as possible to the Secretariat, 6<sup>th</sup> Africa T<sup>2</sup> Conference: Technology Transfer Unit, Private Bag 0061, Gaborone, Botswana. Fax +267 3554746, E-mail: [tectransfer@mopipi.ub.bw](mailto:tectransfer@mopipi.ub.bw)

### REGISTRATION DETAILS

#### PERSONAL DETAILS

Title(Prof/Dr/Mr/Ms/**Student**/Others) \_\_\_\_\_ First Name \_\_\_\_\_

Last Name: \_\_\_\_\_

Initials: \_\_\_\_\_

Organisation: \_\_\_\_\_

\_\_\_\_\_

Position /Title \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City/Suburb/Town \_\_\_\_\_

State \_\_\_\_\_ Country \_\_\_\_\_

Office Telephone: \_\_\_\_\_

Cell phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

I wish to exhibit on \_\_\_\_\_

\_\_\_\_\_

**Accompanying Person(s)**

No. of Persons: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Title: \_\_\_\_\_ First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

**TRAVEL INFO REQUIRED**

**Flight Arrival Details** (Sir Seretse Khama International Airport, Gaborone, Botswana):

Arriving From: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Arrival Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

**Flight Departure Details** (Sir Seretse Khama International Airport, Gaborone, Botswana):

Departing To: \_\_\_\_\_

Date: \_\_\_\_\_ Flight Departure Time: \_\_\_\_\_

Flight Number: \_\_\_\_\_

Transport to and from airport required: YES: \_\_\_\_\_ NO: \_\_\_\_\_

- \* Please note that a welcome desk to assist with transfers will be available on Saturday 2nd, Sunday 3rd and Monday 4th March 2013 only.
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**Accommodation**

I will exhibit and would like the organisers to reserve accommodation for me at \_\_\_\_\_ Hotel at the rate (including taxes and breakfast) of \$ \_\_\_\_\_

I will exhibit but will make my own accommodation arrangement . I will be staying at \_\_\_\_\_ Hotel.

**DIETARY REQUIREMENTS**

None: \_\_\_\_\_ Diabetic: \_\_\_\_\_ Halaal: \_\_\_\_\_

Kosher: \_\_\_\_\_ Vegetarian: \_\_\_\_\_

**PRIVACY**

I agree that particulars stated in this form can be displayed in conference documentation

YES: \_\_\_\_\_ NO: \_\_\_\_\_

Payment by Cash / Cheque /Bank Transfer **(Tick appropriate)**

**6<sup>th</sup> Africa Transportation  
Technology Transfer (T<sup>2</sup>) Conference**

**Africa T<sup>2</sup> 2013**

**Sponsorship Commitment Form**

**Please tick your sponsorship selection:**

- Platinum Sponsor
- Gold Sponsor
- Silver Sponsor
- Welcome Cocktail Party
- Conference Dinner
- Africa T<sup>2</sup> 2013 Prize Competition
- Participants' Conference Pack
- Pre-Conference Proceedings

**Sponsor Details**

Signed: \_\_\_\_\_

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Please return the form to: -**

Botswana Transportation Technology Transfer (T<sup>2</sup>) Unit  
Secretariat, Organizing Committee for 6<sup>th</sup> Africa T<sup>2</sup> Conference  
Private Bag 0061, UB Post Office  
Gaborone, Botswana

E-mail: [techtransfer@mopipi.ub.bw](mailto:techtransfer@mopipi.ub.bw)

Tel. +267 3554743;

Fax: +267 3554746

Cell: +267 71910432

