

# ZIMBABWE INSTITUTION OF ENGINEERS

## NEWSLETTER – June 2006

The Newsletter of the Zimbabwe Institution of Engineers

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*Registered at the G.P.O as a newspaper*

NB. The Institution as a body, its Office-Bearer and Officers and the Editor do not necessarily agree with the statements or opinions expressed in this Newsletter, and specifically exempt themselves from liability or any loss occasioned by persons relying thereon

### PRESIDENT'S MEMO

As this is my last newsletter I will dwell on the Institutions activities during my term of 2005/2006.

This is the President's Annual Report which will record the present Council's successes, failures and work-in-progress to be completed by the in-coming 2006/2007 Council. The outgoing Executive which worked under the 2005/2006 Council was made up of the following with responsibilities as shown:

Eng. C. Makwiranzou	- President: Overall and report to Council
Eng M. Manhuwa	- Deputy President: Professional Board
Eng W. Vengesayi	- Vice President: Learned Society & Membership Services
Eng T. Kapumha	- Vice President: Education & Qualification Board
Eng S. Kazhanje	- Honorary Treasurer: Finance and Staff

On coming into office the Executive's action plans were to tackle the following:

- Vitalization of the Institution
- Information Dissemination
- Strengthening of Branches
- Parenting of Divisions
- Formation of Diaspora Branches
- Regional and International Co-operation
- National Contribution
- Registration of Engineers

This report summarizes the progress made on each plan.

- **Vitalization of the Institution**

The Executive's action plan was to create commitment by all members so that they could participate in the Institution's activities. Besides responding to member's needs, the Executive also went on a membership drive to Masvingo, Chiredzi, Gweru and Universities of Zimbabwe and Chinhoyi. In all 248 new member applications were received, of which 180 were approved and the balance are being processed.

Organisations such as Econet, ZESA, Net.One and Air Zimbabwe were also approached because they employ a large number of Engineers, Technologists and Technicians.

The Executive believed that as a group Engineers make a difference in improving the standard of living of our country and indeed that of the global village.

In general the 2005/2006 Council ran the Institution in a decisive and business like manner. Among the financial highlights was the accrual of income from a deficit situation to \$600 Million reserve level. New sponsors came on board and we managed to purchase a minibus.

Part-payment of the Institution's subscription arrears with the World Federation of Engineering Organisations has also started.

- **Information Dissemination**

One of the tenets of the Institution is to enhance and disseminate Engineering knowledge.

The Executive took a multi-pronged approach by regularly publishing the newsletter, the Zimbabwe Engineer Magazine and the ZIE proceedings. Talks, lectures and workshops were held in our different Area Branches. The Institution also now has an active website.

In addition career guidance for our future Engineers, Technologists and Technicians was carried out through the Presidential Area visits. The very popular Area, National and Regional Bridge Building Competitions continued to attract interest. The Institution also held a Student's Paperette at the University of Zimbabwe and there are plans to expand the Paperette to other Universities.

- **Strengthening of Branches**

The Executive realized that the strengthening of Area branches was fundamental to the Institution's perpetuity. All Area Chairpersons and Secretaries were then invited to a Leadership Seminar held in Harare in April 2006. This seminar was highly successful in that it gave the branch leadership a road map to follow in running and organizing branch activities.

- **Formation of Diaspora Branches**

Rough statistics indicate that as a country we have lost more than 40% of our qualified Engineers, Technologists and Technicians to greener pastures in other countries. Due to this high Engineer mobility, the Executive sought Council's approval to form ZIE Branches outside of our borders.

The Executive is grateful to the following for picking up the challenge and spearheading the new branches:

- Eng Fidelis Baloyi - ZIE –UK Branch
- Eng Philip Bamu - ZIE-USA Branch
- Eng Ignatius Gangaidzo - ZIE-Botswana Branch

It has been an absolute joy to get some of our externally based Engineers to organize talks in Zimbabwe and in the words of Martin Marerwa, published in the Herald, 27<sup>th</sup> June 2006, *"this adds to our knowledge base and ultimately contribute to the success of the profession and the nation, culminating in a brain gain"*.

Data gathering is almost complete for members now domiciled in South Africa to form a Branch.

#### • **Parenting Divisions**

The Executive's strategy on Divisions was to request organisations which employ large numbers of Specialist Engineers to parent, support and encourage those Engineers to form a Specialist Division.

This was successfully done with the support of the following:

Division	Parent	Chairperson
Large Dams Division	ZINWA	Eng A. Muyambo
ICT Division	Econet/Net.One	Eng A. Mushosho
Energy Division	ZESA	Eng M. Zviuya
Irrigation Division	ARDA/Ministry of Lands	Eng Z. Murungweni/Eng Khoza

It is with sadness that I report that we lost the Chairperson of the Geotechnical Division Mr Oscar Zindi who passed away in December 2005. Eng Madoroba is the interim Chairman.

#### • **Regional and International Co-operation**

The Executive Board has cooperated with both regional and international Engineering Organizations both as a knowledge enhancing and branding strategy. Listed below are some of the activities carried out in this sphere.

Item	Organization	Activity	Date	Remarks
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1.	Engineering Institution of Zambia	EIZ Conference, Lusaka, Zambia	Sept. 2005	President and Deputy President attended and contributed to topical Engineering issues in Zambia and the region
2.	SAICE/ UNESCO Workshop	Water Demand and Management Workshop, Johannesburg, RSA	Sept. 2005	Eng. Amos and Zvobgo trained to hold further Workshops in Zimbabwe
3.	Malawi Institution of Engineers	MIE Conference, Blantyre, Malawi	Oct. 2005	Deputy President presented a Paper on Engineering Opportunities
4.	World Federation of Engineering Organisations	WFEO General Assembly, Puerto Rico	Oct. 2005	President represented Zimbabwe at the General Assembly
5.	American Society of Civil Engineers	ASCE Annual Conference, Los Angeles, USA	Oct. 2005	President signed a Global Ethics Charter and contributed on Engineering Preparedness for Natural Disasters
6.	UNESCO/SAICE Workshop	Regional Workshop on Poverty Alleviation, Johannesburg, RSA	Feb. 2006	President led a 3-man delegation and contributed to Regional Poverty Alleviation Strategy
7.	Biannual, ZIE/EIZ Engineering Without Borders Conference	EWB Regional Conference, Victoria Falls, Zimbabwe	May 2006	ZIE/EIZ hosted regional EWB Conference focusing on Poverty Alleviation and Achievement of Millennium Development Goals
8.	Engineering Mobility Forum	Conference on Engineering Mobility, Budapest, Hungary	May 2006	Presentation of Paper on Engineering Education and Accreditation by Mr Choto and Dr Mbohwa
9.	World Council on Civil Engineering (WCCE)	Conference on formation of WCCE, Mexico	Early July 2006	Planning for attendance of this Conference by incoming Council.

#### • **National Contributions**

Of particular importance has been the Institution's Contribution to our country's stock of Engineering knowledge and projects. Our views and comments have been requested and considered by both the Public and Private Sector.

Only a sample is listed below:

1.	Ministry of Local Government, Public Works and National Housing	-	Amendment of Model Building By-Laws - 1977
2.	Ministry of Parliamentary Affairs/Law Society of Zimbabwe	-	Amendment of Law of Partnership
3.	City of Harare/Ministry of Local Government, Public Works and National Housing	-	Housing Strategy for All
4.	Ministry of Infrastructure and Water Development	-	Strategy for Water Treatment in Urban Areas
5.	University of Zimbabwe	-	Establishment of Institute of Fuels and Energy
6.	Research Council of Zimbabwe	-	Request for Board Member
7.	Consumer Council of Zimbabwe	-	Contribution to World Consumer Rights day
8.	Standards Association of Zimbabwe	-	Request for Committee Members on various Standards
9.	NAMACO	-	Request for Contributions at Annual Congress
10.	Zimbabwe Construction Industry Council	-	Contribution to Running of the Council

#### • **Registration of Engineers**

Great strides have been made on the Registration of Engineers through the Engineering Council Act. The Cabinet Committee on Legislation has now approved the Draft Act. This will start the final Parliamentary processes before it is enacted. In addition the Private Act through which ZIE currently operates is also being reviewed.

The Engineering Council Act will not only protect the public, but it will also enhance the status of the profession. The Executive appreciates the support and work done by the Honourable Minister Dr. I. Chombo and members of his Ministry to get to this stage.

#### • **Conclusions**

As the baton passes on the 30<sup>th</sup> June, 2006, the 2005/2006 Council's main highlights of the year included:

- Increased national, regional and international visibility of the Institution:
- Three Additional Divisions were formed

- Three Diaspora Branches were formed
- Enhancement and dissemination of Engineering knowledge through publications and invited speakers
- Movement of the Institution's financial position from a deficit budget to a reserve level
- Purchase of a minibus to alleviate the Institution's transport problems
- Bringing the Institution into the International fold by seeking membership of the Washington Accord to facilitate international accreditation and recognition.

Work-in-progress which the in-coming Council should continue includes:

- Monitoring progress of the Engineering Council Draft Act from Cabinet Committee approval to enactment
- Finalizing formation of a ZIE-South Africa Branch and continued cooperation with the new branches in the UK, USA and Botswana
- Amortization of the WFEO arrears
- Progressing the Washington Accord from current sponsorship status to membership

As Engineers, Technologists and Technicians we can make a difference to our country and society through commitment and pride in our profession and work.

We have a responsibility to create wealth and build bridges which will take us from poverty to prosperity.

**Eng C. MAKWIRANZOU**

ZIE PRESIDENT 2005/2006

### **C O N T E N T S**

- THE PRESIDENT'S MEMO
- NEWS FROM CONQUENAR HOUSE
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## **NEWS FROM CONQUENAR**

### **COUNCIL MEETING JUNE 2006**

The Council meeting was held on 30 June. At the council meeting Eng Kghalpey was elected Vice President for 2006/2007. He replaces Eng Kapumha who resigned from the Executive board in June 2006 due to work commitments

### **ANNUAL GENERAL MEETING**

This was also held on 30 June 2006 at the Rainbow Towers. The Presidium for 2006/7 was inducted during the AGM and it is as follows:

- |                  |   |                   |
|------------------|---|-------------------|
| President        | - | Eng M Manuhwa     |
| Deputy President | - | Eng V T Vengesayi |
| Vice President   | - | Eng B Nhachi      |
| Vice President   | - | Eng A Khalpey     |

**PRESIDENTS DINNER & AWARDS CEREMONY AND CL ROBERTSON MEMORIAL LECTURE**

The Presidents Dinner and Awards Ceremony was held on 30 June 2006 at Rainbow Towers. The events attracted over 200 delegates and had 21 students receive their ZIE diplomas in engineering. Congratulations go to the undermentioned recipients who received various institution awards:-

SKF Award	Mr B Choto
Stevens Award	Eng E Rugoyi
Institution Award	Dr M Mgangira
PH Haviland Award	Eng A Muyambo
Phillip Kennedy Award	Eng N Masanganise
President's Commendation	Mr M Mutingi
The Young Engineer's Award	Mr K Mukaka
The El Mahdy Award	Mr C Hunidzarira
Recognition of Women Engineer:	Mrs L Kunaka
Honorary Fellow	Eng AS Mpala

Eng O Chidawu presented the CL Robertson Memorial Lecture and his presentation was on "The Engineer Managing the Current Environment Positively the Contrarian's way"

**SCHOOLS MODEL BRIDGE BUILDING COMPETITION**

The National School's Model Bridge Building Competition was held on 31 March 2006 at Conquerar House and the winning teams that will be going to South Africa are St Johns College, Mpopoma High and Hwange Secondary.

**ANNUAL PAST PRESIDENTS GOLF TOURNAMENT**

The Institution will once again hold the Annual Past Presidents Golf Tournament which will be held on 27 October 2006 at Ruwa Country Club.

**ANNUAL MASHONALAND SOCCER TOURNAMENT**

The Mash Area Soccer Tournament has been set for 30 September 2006 at Churchill Boys High School.

**SUBSCRIPTION NOTIFICATION**

Subscriptions for 2006/2007 are now due and all members who have not yet paid will have to pay a 30% penalty fee. If you have not received your subscription notice or you have misplaced it please contact the secretariat for a duplicate copy.

**AREA AND DIVISIONAL NEWS AND EVENTS**

**MASHONALAND**

Chairman	L Duri 011424786
Secretary	Eng T Mpala 011217017

30/09/2006 Mash Area Soccer Gala will be held on 30 September 2006 at Churchill Boys High School from 0830 hrs

1/12/2006 Mash Area Cocktail will be held on 1 December at Conquerar House from 1830 hrs

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**NOTICE**

Notice is hereby given that the 48<sup>th</sup> Annual General Meeting of the Matebeleland Area of the Zimbabwe Institution of Engineers will be held at Bulawayo Athletic Club, 12<sup>th</sup> Avenue ext- opposite National free library..

Thursday 3 August at 5:15pm

**AGENDA**

1. Notice for convening the 48<sup>th</sup> Annual General meeting.
2. Minutes of the 47<sup>th</sup> Annual General meeting.
3. Matters arising from the minutes.
4. Chairman's report.
5. Matters arising from the Chairman's report.
6. Treasurer's report.
7. Matters arising from the Treasurer's report.
8. Election of the secretary.
9. Election of committee members.
10. Election of honorary scrutinisers.
11. AOB.
12. Closure

The area committee comprises thirteen members as follows:  
Immediate past chairman ex-officio  
Secretary  
Eleven committee members

Please note that:

1. The secretary must be nominated separately. Nominations should be made on the attached form and submitted to: The secretary, Matebeleland Area, Box 3812, Bulawayo.

Or handed to the secretary at the AGM on the 3 August 2006.

2. Nominations must be seconded and accompanied by the signatures of the nominee to show their acceptance of the nomination.

**E Bhero**  
**Area Secretary**  
011421811

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**UNITED KINGDOM BRANCH**

Ladies and Gentlemen'

The Nottingham Meeting will held on 15 July 2006. Minutes and Agenda have been circulated.

One point of correction on the Agenda:

Item 3 should refer to the Chairman's visit ..... and not the President!! My sincere apologies.

By the way, Hudson has managed to get the venue for free on the understanding that we will get our refreshments and braai packs at the venue. Sadza will also be available .....

See you there. Any problems let me know.

Collen.Steamer

**Francis Simba Chigara**, Tel. 07919200513 (Mob),  
01214835344 (Bus)Thanks & regards,

## CHANGES TO MEMBERSHIP

### NEW APPLICATIONS RECEIVED

These applications have been processed. The candidates' names are published for members' information.

FELLOW Khalpey A, Masanganise N

MEMBER Zvidzayi J, Garai-Murinda G, Gutura F,  
Mhlanga G, Mwanda W, Washaya J K,  
Marehwa M, Katsande A H

ASSOCIATE MEMBERS: A Mutasa

TECHNICIAN: P Mhasho

AFFILIATE: Kasiyachengo K

## EMPLOYMENT OPPROTUNITIES

### SALES ENGINEER

A vacancy has arisen with a pipe manufacturing company for a Sales Engineer( Byo) with the following qualification:

BSc Engineering ( Civil)  
B. Engineering ( Civil & / Water)  
B. Tech (Civil/Water)  
BSc Irrigation  
IMM OR Marketing Qualification an advantage.

Must be willing to take a rewarding Technical Sales & Marketing career in the Design & Sales of water supply and irrigation systems.

Must be:  
-+or - 28 yrs of age.  
-3 years post grad ( practical experience with pipes an adv) .  
-be employed.  
-Must be degreed & comp literate.  
-Good negotiating skills a must.  
-fluency in BOTH - Spoken Ndebele & Shona- added advantage

Interested candidates can contact the undersigned on the given numbers.

**Mthulisi Mpofu- Sales & Marketing Manager ( Bulawayo)**

**Phone +263 9 62059 / 68396 / 75598**

**Mobile +263 11 210 861**

**Fax +263 9 76130**

**Website:www.proplastics.co.zw**

### GENERAL MANAGER

General Manager wanted with an engineering background. Marketing experience will be an added advantage.

Email CVs now to: [mnguwi@oec.co.zw](mailto:mnguwi@oec.co.zw)

### GRADUATE LEARNER - MECHANICAL ENGINEERING

Applications are invited from suitably qualified persons to undergo a 2-year learnership programme within the Engineering Department.

**The ideal candidate should among other things be able to do the following: -**

- B.Sc Engineering (Mechanical): **grade 2.1** or better from a recognised University.
- Demonstrate interest in Engineering matters.
- Assertive, keen, to learn new things in a challenging environment.
- Computer literate

If you meet the above requisites and you are interested, please apply enclosing your detailed curriculum vitae with contact number to: -

[sikhuma@zimboard.co.zw](mailto:sikhuma@zimboard.co.zw)

or

[takesureka@zimboard.co.zw](mailto:takesureka@zimboard.co.zw)

or

[darlingsa@zimboard.co.zw](mailto:darlingsa@zimboard.co.zw)

**By no later than Thursdays, 13 July 2006.**

Only short-listed candidates will be replied to.

### PRODUCTION ENGINEER/ENGINEER CONTROLLER/DRAUGHTSMAN

The above has arisen .

+ -4 years in a similar function(guideline)in a mnfg setup. Male environment., must be degreed & comp literate. Salary highly negotiable. Good negotiating skills a must. Need to fill vacancy urgently.

The positions Are

- 1.Production Manager
- 2.Engeneer Controller
- 3.Draughtman -Computer literate, National certificate, knowledge of autocard & MIS( At least One year exp)

**If interested please contact Yvonne Chemhere**

**EMAIL YOUR CV ON:** [placecare@mweb.co.zw](mailto:placecare@mweb.co.zw)

### Career Opportunities

Career opportunities at Infrastructure Development Bank of Zimbabwe. For further information please contact the Secretariat . A full brochure to be emailed soon

## ON THE MOVE

Have you changed jobs or been promoted, please let us know.

## TRAINING COURSES

### ZIE ENGINEERING & TECHNICIAN TRAINING

Courses have been arranged on behalf of the Institution by Speciss Training Services. You are encouraged to register for courses that will be of benefit or interest to yourself

For further information and bookings, contact The Registrar, Speciss Training Services. Cnr Livingstone & Third Street, Box 2713, Harare, Tel 731562 (direct) or 704894 729149 Ext120/162.

## SEMINARS & CONFERENCES

- 27-29 September 3<sup>rd</sup> International Conference Production of Structures against hazards. Venue: Padova, Italy. Call for papers contact CI Premier PTE Ltd, 150 Orchard Rd #07-14, Orchard Plaza, Singapore 238841. Republic of Singapore. Tel (065) 6733 2922 Fax: (065) 6235 3530. Email: cipremie@singnet.com.sg
- 24-26 October 2006 Tenth International Conference on Inspection, Appraisal, repairs and Maintenance of Structures. Venue: Hong Kong Sar, China. Call for papers contact CI Premier PTE Ltd, 150 Orchard Rd #07-14, Orchard Plaza, Singapore 238841. Republic of Singapore. Tel (065) 6733 2922 Fax: (065) 6235 3530. Email: cipremie@singnet.com.sg
- 29-31 October 2006 3<sup>rd</sup> International Conference on Fibre Reinforced Materials. Venue: Hong Kong Sar, China. Call for papers contact CI Premier PTE Ltd, 150 Orchard Rd #07-14, Orchard Plaza, Singapore 238841. Republic of Singapore. Tel (065) 6733 2922 Fax: (065) 6235 3530. Email: cipremie@singnet.com.sg

## EDITOR

**Area Committees please note. we need early news of your planned events.**

***Joyce Nawira***  
***Editor***