

"Tackle a Block at a Time".

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No 1. Money Matters, Warning!

The old R200 note ceases to be legal tender at the end of May 2010! Due to the large number of illegal and counterfeit R200 notes in circulation many businesses refuse to accept any R200 notes. Advice offered is that any, especially old R200 notes, be handed in at the bank and exchanged for other denomination notes. Be warned you may lose out! Deadline End May!!

No 2. Editor's Note.

Will all members kindly note that IPET's financial year runs from 1st April of the year to end of March the next year.

This falls in line with the Engineering Council of South Africa's financial year. This means fees for this year starting in April 2010 are due in April 2010 and not in January 2010.

Invoices for IPET fees for this year were posted in early April 2010.

Our financial system cannot couple invoices to E Mails hence all invoices are posted by surface mail.

ECSA registered persons who are valid IPET members are normally granted a substantial discount (+/- R900 for Professionals) on their annual ECSA fee so it pays to be an IPET Member.

Please also note that your CPD records for ECSA registered persons must be sent to ECSA and not to IPET! You are also advised to keep copies for at least 7 years!

Thanks for your co-operation in these matters.

No 3. Magazine Offer.

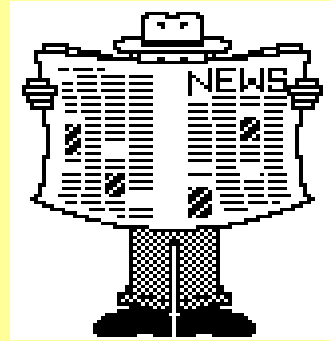
(Please react promptly!!)

We are negotiating the delivery of a free engineering industry magazine. If you would like one please E Mail us your Name, Initials, Membership number and Postal address so we can pass this on to the publisher. E Mails to engineer@netactive.co.za and the subject must be "Magazine" and the main body of the E-mail must contain the required information. NO ATTACHMENTS will be accepted. No guarantees that this project will succeed are given!

Note.

The following mini articles follow the trend of interesting scientific and engineering developments we set in our previous newsletters. We hope you find them of general interest!

Ed.



No 4. Asteroid Fly by Within Moon's Orbit

A newly discovered asteroid, 2010 GA6, was expected to fly safely past Earth recently. At the time of closest approach 2010 GA6 was expected to be about 359,000 kilometres (223,000 miles) away from Earth -- about 9/10ths the distance to the moon. The asteroid, approximately 22 meters (71 feet) wide, was discovered by the Catalina Sky Survey, Tucson, Az.

While this all sounds scary the passage of near Earth objects within the moons orbit actually occur every few weeks according to Daon Teomans of NASA's near Earth Object Office at the Jet Propulsion Laboratory in Pasadena, California, USA.

The Project to detect and track objects is called "Spaceguard."

It appears that Earth is hit by more than 100 tons of material every day! Most is just dust and very small particles, but approximately once a day a basketball size object hits the atmosphere and burns up. A few times a year a fragment the size of a small car hits causing impressive fireballs streaks across the sky. Very rarely do any survive to hit the ground as meteorites.

Source; NASA, Science Daily, Encyclopaedia's- various.

No 5. Computer Passwords!

While users generally hate them, they are a headache for network administrators. IT Departments however often still require them and regularly schedule password changes all in the interests of computer security.

New research by Microsoft proves that often this is a just a waste of time and effort!

Microsoft undertook the study to gauge how effectively frequent password changes thwart cyber attacks, and found that the advice generally doesn't make much sense, since, as the study notes, someone who obtains your password will use it immediately and not sit on it for weeks until you have a chance to change it.

However, changing your password isn't harmful, either, unless you use overly short or obvious passwords or you're sloppy about how you remember them. (Many users forced to change their password too frequently resort to writing them on sticky notes attached to their monitor)!

Frequent password changes are simply a waste of time and, therefore, money. According to the Microsoft researcher's very rough calculations: To be economically justifiable, each minute per day that computer users spend on changing passwords (or on any security measure) should yield \$16 billion in annual savings from averted harm. No one can cite a real statistic on password changes' averted losses, but few would estimate it's anywhere approaching \$16 billion a year!

Sources; Microsoft & Yahoo.

No 6. American Industry's Thirst for Water,

Study

How many gallons of water does it take to produce \$1 worth of sugar, dog and cat food, or milk? The answers appear in the first comprehensive study in 30 years documenting American industry's thirst for this precious resource.

The first study in some 30 years could lead to better ways to conserve water, is in ACS' *Environmental Science & Technology*, a semi-monthly journal.

Chris Hendrickson and colleagues note in the new study that industry (including agriculture) has long been recognized as the biggest consumer of water in the United States. However, estimates of water consumption on an industry-by-industry basis are incomplete and outdated, with the last figures from the U.S. Census Bureau dating to 1982.

They estimated water use among more than 400 industry sectors -- from finished products to services -- using a special computer model. The new data shows that most water use by industry occurs indirectly as a result of processing, such as packaging and shipping food crops to the supermarket, rather than direct use, such as watering crops. Among the findings for consumer products: It takes almost 270 gallons of water to produce \$1 worth of sugar; 200 gallons of water to make \$1 worth of dog and cat food; and 140 gallons of water to make \$1 worth of milk. "The study gives a way to look at how we might use water more efficiently and allows us to hone in on the sectors that use the most water so we can start generating ideas

and technologies for better management," the scientists note.

Source Science Daily.

Its time RSA did the same! Ed.

No 7. Solar Powered Plane.

The prototype Solar Impulse, with a wingspan similar to that of a super-jumbo jet but weighing the same as a saloon car, took off from a Swiss airfield on its first full test flight recently.

The plane's wings are covered by solar cells, which power four electric motors. Its designers hope a slightly larger production model will circumnavigate the globe in two years' time.

The test flight was intended to verify that the plane's behaviour tallied with simulations.

Round-the-world balloonist Bertrand Piccard is leading the project and intends to pilot the plane along with co-founder Andre Borschberg. Seven years of work have gone into the project before the takeoff.

Witnesses said both take-off and landing seemed to go smoothly.

The flight team have been conducting flea-hop tests since December, taking the plane no higher than 60cm (2ft) in altitude and 300m in distance.

A night flight is planned later this year, and then a new plane will be built based on the results of those tests.

The big take-off is planned for 2012, when the two pilots will try a transatlantic flight before attempting to circumnavigate the globe.

Source: BBC World News

No 8. Small Adverts - Policy.

IPET is prepared to place very small text only adverts in the Newsletter if they are deemed to be of direct interest and value to members. The Editor and Executive's decision on any particular advert is final. The adverts may not exceed 100 words and are, for the time being, free. Adverts that just advertise companies and / or their products are excluded from this offer. Other adverts, for which payment will be required, may be entertained in the future.

As our country is experiencing a difficult economic and financial crisis your organisation is trying to assist members where practical. Those seeking permanent positions in industry or those younger persons who need experiential training in order to complete their degree or diplomas may advertise

their requirements with their contact details in a mini advert which will be included in the regular E Newsletter. As we also have requests from ECSA "Candidates" for Mentors, this request will also be covered in a mini advert. This is a free service to members.

No 9. Adverts.

I am Philani Ngubo, I completed S4 at Mangosuthu University Of Technology in the Department Of Electrical Engineering of a National Diploma. I would be most happy if you could provide with one year training as required for my diploma.
Contact me on 0834778702

See www.inovationfund.ac.za if you have a bright technical idea and require funding!

IPET CPD Accredited Courses.

IPET recently accredited the following two courses for ECSA CPD Credits.

IPET 2010/01 LMS 1: Concrete Essentials
And IPET 2010/02 LMS 4: Concrete on Site
Provider is Letaba Management Services cc (LMS)
51 Roy Campbell St; Brackenhurst, Alberton, 1448
Tel 011 867 4318, Cell 083 297 1990, Fax 086 677 6052. E Mail sue@letaba-ms.co.za

No 10. Publication Policy.

Our policy is to be informative but not to compete with Newspapers or Engineering Journals. We try to give a selective rational overview of the engineering scene relative to our members. We endeavour to cover matters of importance that might not make it into the general press. While we publish regularly, we may not always have the latest scandal! We need good technology news in terms of people, products and processes. If you have recently been promoted, moved to a different job, started a business, completed an interesting project, received an award of which you are proud, or have a handy tip to share, your news, views and letters to the editor on relevant issues will be welcome. Don't leave it to others; we want to hear from you!

The editor reserves the right to shorten and edit letters or reject them for publication where necessary.

**No 11. Letter / E mail received.
Closer Look at Prevailing Civil Engineering.**

Dear sir,

I am the author of "200 Questions and Answers on Practical Civil Engineering Works". The book "200 Questions and Answers on Practical Civil Engineering Works" is currently posted on the official websites of many universities and engineering organizations around the world.

Recently, I have completed another book on civil engineering called "**A Closer Look at Prevailing Civil Engineering Practice – What, Why and How**" which is written in the same format as my first book "200 Questions and Answers on Practical Civil Engineering Works" in which it aims at providing underlying reasons to common in normal day-to-day engineering works. **I intend to share the books with your organization for free to make contribution to the engineering world.**

I sincerely wish that you would kindly **consider informing your members and colleagues about the book "A Closer Look at Prevailing Civil Engineering Practice – What, Why and How" by your News. and website for your member's free download.**

The book "**A Closer Look at Prevailing Civil Engineering Practice – What, Why and How**" can be downloaded from the following engineering websites:

- (1) European Council of Civil Engineers ECCE
<http://www.ecceengineers.eu/papers/index.php>
- (2) The CivilEngineer.org
http://www.thecivilengineer.org/general_civil/library_general_civil.html
- (3) Institution of Civil Engineer (United Kingdom)
http://www.ice.org.uk/knowledge/document_details.asp?Docu_id=2444&faculty=

Looking forward to your earliest reply!

Vincent T. H. CHU

Ed. Feel free to look and any comments back to COET will be welcome.

No 12. Fire Safety – New SANS 10400.

Letter from our IPET member.

As I have the privilege to represent IPET on the committee responsible for the drafting of the new SANS 10400 Part T Fire Safety I wish to report as follows.

You may remember that when I was given permission to represent IPET on this committee I have made the point that in principle I will only suggest or accept alterations to the new rules if it is based on established Fire Engineering

principles as defined by current Global trends and theory, or alternatively if the rule is supported by thorough technical research.

It is a pity that I got involved at a late stage in the development of the rules thus my interference caused some havoc and my influence was somewhat limited as the drive is now rather focussed on completing the document than to alter it.

On the positive side a number of my suggestions were accepted. But on the negative side critical suggestions that I have made to address issues that was wrongfully written into the new rules were fiercely opposed by different opinion. For example one of the latest rules is that escape from a dead end distance can be, unconditionally, as far as 30 meters. This contradicts all equivalent rules in for instance the new European/Australasia system, the American/Canadian System and the International Building Code. I challenged the committee to justify this, based on established fire engineering principles, and no one in the existing committee could or will provide any justification. This long escape distances from dead ends is the primarily cause of domestic deaths in our country, approximately 8 per month. I fiercely resist it but as it sometimes happens there is a mystic small core of people that has formed an informal steering committee that apparently drives the code and for this core it is apparently more important to get it over and done with as to produce justifiable rules.

I also fiercely resisted the new smoke ventilation rules which is, quite frankly, a bunch of nonsense, and so on.

Never the less I was not able to convince the driving core otherwise and it appear to me that these tragic rules will prevail amongst others.

For this reason I have, on behalf of IPET, withdrawn the support of IPET for the new SANS 10400 Part T Fire Safety Rules.

As it is my impression IPET, possibly, houses as an institute, the most Fire Professionals, I requested the chairman to be allocated a seat on behalf of IPET, on the small informal steering committee, this request has not been answered yet.

May I also take this opportunity to invite all Fire Safety Professional members registered with IPET, to drop me a line. We may unite in a formidable force too get the new rules back into the realm of established principles, if we know each other.

Kind regards,

Ian du Plessis Pr Tech Eng

Topaz Fire Engineering Services CC
Mobile; 083 632 3890
Tel; 012 345 1326
Fax; 088012 345 1326
633 Nougas str. Elarduspark Pretoria

13. The Post Office Blues.

The post office reports that in the financial year ending in March 2009, mail volumes dropped by 5.8%. Growth in the previous 5 years had been between 7 to 10%. The 2009 profit was R362.9 million rand, which is 4% down from the R377 million for 2008. Cash flow from operations increased from R305.8 million to R649.8 million. Capital expenditure also increased by 65% to R643 million compared to last years R305.8 million.

Editors comment.

Of interest about the post office are our experiences with the Randburg branch. Over the past months they have often been off line, have had no supply of prepaid postage DL envelopes, no stamps of the correct postage amount for sending out certificates and are unable to make up the correct amount for these either. Post deliveries to post boxes appear erratic with no post for days then suddenly the box is overflowing. Quite a few items, which we were expecting to arrive, have never arrived. Posting items out is also a problem as the letterbox is often overflowing and apparently only cleared about twice a week. The branch had no manager but now maybe has a temp and service in general is so bad we have complained to their Head Office in Pretoria. Head office management was in fact very helpful and helped us source stamps at the Honeydew branch, which was apparently the only one of the 6 local post offices that could assist!

No 14. E Mail Woes & Tips for Members. (See also item 25).

To the subscribers who do not get our bulk mailed E News, we offer some tips!

Subscribers of the two Telkom email servers must simply activate their anti Spam programs on their mother pages. The step-by-step process is very user friendly; except that when you choose your parameters, simply accept their suggested values.

Absamail and other ISPs have similar rules. Check out your supplier if you experience lack of E news from us.

Members who supplied E mail addresses which end in **Spoornet, Transnet, Eskom and any Government (Gov and Departments)** are warned that our E Newsletter and any E mail going to a group is usually stopped as it is suspected that it is Spam. This unfortunately also applies to certain other companies. The worst cases are Eskom and Government addresses. Absa and Telkomsa.net are others, but In Boxes being full also causes rejections. Regular downloading is recommended!

Emails from us come from any of the following E-mail addresses.

engineer@netactive.co.za

jjconsultancy@gmail.com
jameshellerjhb@gmail.com
jamesheller@mapactive.com

Members must either make arrangements with their ISP and IT people to let newsletters through or supply a personal private E-mail address. Those with no E-mail must please visit a friend who does have access to the Internet and / or regularly visit an Internet Café and go online.

Please see our Website where we list some of the suspect names. This is updated from time to time. Visit our Website regularly to check out the Newsletters etc, which are updated from time to time.

If your contact details change kindly complete the information update form, which you will find in various newsletters and also on our Website.

www.ipet.co.za

Your co-operation in this regard is much appreciated.
Thanks!

No 15 Office Hours Notice.

Members are reminded that our office is staffed on a part time basis so when phoning you may only get the answering machine. We answer telephone messages, faxes and E-mails the next working day whenever possible. Also kindly note that the message and fax machine is generally only on from 08H00 to 18H30 each day as we have had to switch them off after hours to stop receiving advertising faxes which come through in large numbers after normal office hours!

If at other times the phones just ring and ring then we are experiencing yet another power failure. During the past month we have had a total of approx 2,5 days of no power, ranging from 22 hours of no power to the shortest period of 2 hours! And this is with no official loadshedding!



No 16. The Joke Column. Warning / Disclaimer.

Sensitive readers are warned that the following may erroneously be taken to contain sex, violence, strong language, gender, race, ethics etc. Readers are warned not to read or have any of the following read to them. Recommended readers age is limited to 120 and 121 years of age. A further requirement is you must have a sense of humour.

Joe goes home with 30 light bulbs.
“What are you going to do with all these bulbs?” his wife asks.

“The doctor told me I must go on a light diet!”

A school of sardines swims out to sea and see a submarine.

“What’s that?”

“Oh, nothing special, just a tin of people!”

Airport Scanners.

Here is a solution to the controversy over full body scanners at airports. Have a booth that you can step into that will not X Ray you, but will detonate any explosive device you may have on you!

It would be a win – win situation for everyone, and there would be one of the foolishness about racial profiling and this method would also eliminate a long and expensive trail. Justice would be quick and swift! Case Closed.

I can see it now. You are at the airport terminal and you hear a muffled explosion. Shortly afterwards over the Public Address system comes the announcement, “Attention standby passengers, we have a seat available on Flight number -----.”

“Doctor, when will my measles be cured?”

“It’s hard to say – I have never been one to make rash decisions.”

“Do you have any dogs going cheap?” ask the miser of a pet shop owner.

“No, we only have dogs that bark.”

Smart advice.

Keep your eyes wide open before marriage – but half shut afterwards.

When raising children, enjoy them when they are still on your side!”

Customer; “I want to buy a car but I can’t remember it’s name – all I remember is it starts with “T”.”

Salesperson; Sorry we can’t help – all ours start with petrol or diesel.”

A blonde driving a minibus full of children goes through a red traffic light.

A cop pulls her over and says, “Don’t you know when to stop?”

Blushing madly she says they aren’t all mine.”

“I want to buy a mirror,” says the blonde to the shop assistant.

“A hand mirror?”

“No – To see my face!”

“Dad, when will I be old enough to do what I want?”
“I’m not sure, the father says, ”I don’t think anyone has ever reached that age.”

My wife dresses to kill!
She cooks the same way.

No. 17. IPET’s New President & Senior Vice President.



Past President Des Lange shaking hands with the new Vice President of IPET, Mr Jan Lessing. New President standing in the middle. 25 Feb 2010.



IPET Council 2010/2011. From Left to Right. Johan de Koker (Treasurer), Jan Lessing (Senior Vice President), Willie Lotter, Kwezi Chabikulu (President), Viv Nel (Chief Operations Officer), Des Lange (Past President), Brian Pitman, Jones Moloisane, Chris Mynhardt. (Not in photo Willem Badenhorst (Vice President).

The following column may become a regular feature in the future.

It is hoped to publish useful technical and other information from time to time, which can be cut out and stored in your own information file. Start your collection now!

Editor.

No 18. For Your File Only!

Structural Repair and Strengthening for Concrete Facilities. Review of some methods.

The repair and or strengthening of old buildings that use prestressed or reinforced concrete that show signs of deterioration such as steel corrosion, cracking and spalling is often not easy due to there not being a single cause or solution. Often only a combination of design and application skills is needed.

Structural repair and strengthening are two differing requirements. Repair is the process of reconstruction and renewal to at least the original requirements. This involves determining the origin of the deterioration and then removing the damaged area and its causes and then following up with appropriate repair materials and processes to fix the problem for an extended period of time. This is usually not a quick fix but an appropriate well thought out and planned engineering fix.

Strengthening is the process of upgrading the structural system to improve the load carrying and strength of the structure. This is often a much trickier situation to tackle. Here expertise in the use of mechanical and structural principles to design a comprehensive and practical retrofit solution is required. In the upgrading process the design has to cater for every element in the structure that carries a share of the load. Strengthening or removing an element must be analysed to determine the influence on the total structure. Penetrations and deteriorated material are key issues to be checked to ensure no overstressed or understressed components..

Concrete repairs.

Concrete structures have a finite life. Exposure to harsh environments, heat, cold, salt air and chemicals cause deterioration. This may result in steel reinforcing rusting, concrete spalls, delamination and cracks. The external chlorides

cause internal damage to the reinforcing by rust the steel. The rust expands up to some eight times its original volume and this causes cracks and spalling. This of course reduces the effective area of steel reinforcement and can eventually result in complete collapse.

Repair is often more complex than for a new construction as the causes must be found before the appropriate repair material/s and process of repair can be utilised. Just patching without cleaning and preparing the steel and concrete surfaces will not give a lasting solution.

Concrete strengthening.

Upgrading and strengthening buildings may be due to higher load demands due to useage changes or safety considerations.

Typical methods that are used include span shortening, adding external composites, externally bonded steel, post tensioning systems, the enlargement of sections and combinations of these methods. The strengthening systems must assist and share the loads in the existing structure to be successful.

Span shortening.

This is done by installing additional support under the existing support. This is often structural steel and cast in place reinforced concrete. Bolts and adhesive anchors (Epoxy) are used.

Composites.

Fibre reinforced polymer systems in the form of thin fabric like sheets, laminates or bars that are bonded to the concrete with epoxy are used. Important characteristics of FRPs for structural repair and strengthening applications include their non-corrosive properties, ease of installation, lower cost, and aesthetic appeal. Typically installation is by applying an Epoxy adhesive to the cleaned and prepared surface, applying the FRP and then a second layer of epoxy. It has to be allowed to cure before it adds any strength to the structure. The bonding to the existing is critical and has to be done correctly.

A further development (+/- 2003) of FRP is a system where steel reinforced polymer composites are use as external reinforcement. High strength steel wires are twisted together to form steel cords, which have a much higher strength than conventional structural steel. This is used both with epoxy and/ or cement.

Bonded steel.

This system uses bonded steel plates that are glued to

the concrete surface by a two-component epoxy adhesive to create an improved shear and flexural strength. The steel may be plates, channels, angles or built up members. Mechanical anchors are also used to ensure that the steel will still share the load in case of adhesive failure.

External post-tensioning.

Since about 1950 this system has been used to increase flexural and shear strength of reinforced and prestressed concrete. Here active external forces are applied using post tensioned cables to resist new loads. This has been successfully used to correct excessive deflections and cracking in beams, slabs and cantilevered structures.

The post-tensioning forces are added by means of high steel rods or cables usually located outside the original section. The rods are anchored to the structure at certain points, typically at the ends of the beam. The end anchors are critical and are made of steel fixtures bolted to the structure or reinforced concrete blocks cast in place. The new force is applied by the use of deviation blocks fastened at the high or low points on the structure. Before the prestressing all cracks and spalls must be cleaned, prepared and patched with an epoxy injection.

Section enlargement.

This method of strengthening involves placing additional "bonded" reinforced concrete to an existing structural member in the form of an overlay or a jacket. With section enlargement, columns, beams, slabs, and walls can be enlarged to increase their load-carrying capacity or stiffness.

The Institute of Professional Engineering Technologists (IPET) makes no guarantees as to the accuracy, completeness and/or reliability of any information, data and/or content contained in the Newsletter or on it's Websites. Information contained in this email, newsletters and the Websites shall be construed as advice and is offered for information purposes only. You accordingly assume total responsibility and risk for your use of and reliance on this information.

No 19. Unsubscribe.

As a member of IPET you should want to receive the E News. If however you do not want to receive the IPET E News as an E Mail then you have the option to unsubscribe.

To unsubscribe send an email with ""IPET unsubscribe"" in the text to engineer@netactive.co.za

Number 20.

E. & O. E.

The Institute of Professional Engineering Technologists (IPET), its agents, volunteers, workers and members cannot be held responsible for errors in, amendments to, or any damages whatsoever arising from information published in good faith. Opinions expressed by contributors are not necessarily shared by IPET.

No 21. Disclaimer.

No 22. PET New Members (April 2010)

We welcome the following new members.

The list is for the past few months only.

It will be updated from time to time.

A full list of all members in good standing is elsewhere on our site and it is updated from time to time.

Members Number ECSA REgistration Number Members Name Initials

3130	8670027	Allchin	JW
3114	200980291	Booi	X
3123	200980286	Bridgeman	H
3125	200870116	Brownbridge	JE
3119	200970053	Cloete	J.A.N.
3115	200880329	Daly	JJ
3136	8770153	De Pontes	A G
3113	200570007	Delpport	G
3117	200780231	Dlamini	VM
3120	200980480	Dube	F
3128	8670016	Heatlie	EB
0850	8770083	Hendrick	MJ
3133	9070120	Hope	MA
3116	200970258	Jacobs	J
3067	200880327	Manqele	SN
2480	9170081	Marais	PP
3138	200880122	Mashini	BR
3131	201080023	Mashoai	RS
3126	201070011	Mathebula	GT
3139	8770065	Mitchell	A
3111	200970292	Molapo	MT
3140	200280111	Mpuhlu	K L
3121	200170136	Pillay	PMM
3066	200530180	Reynolds	RD
3127	8770145	Scott	WR
3112	200970246	Taljaard	HJ
3122	200980331	Thabeng	TE
3124	200980333	Thiart	RA
3110	200980352	Thomas	K
3118	200870015	Tiedt	V C
3137	201070044	Wooldrige	PJ

IPET Information Update Form 2010
P O Box 1824
Randburg
2125
Tel / Fax / Answering Unit 011 787 9706

If you need to correct your contact information please use this form. Kindly complete this form in large black font especially for E-mail addresses.

Return the completed form by post. Faxed or E Mailed Update Forms are not accepted at this time.

Update Forms are also available on our website www.ipet.co.za

All information will be treated as confidential and will not be shared with any other party unless you have sent the signed Free Listing / Advert form which offers free listing on our Website.

Last Name	Initials	Title (Mr / Mrs / Ms /Etc)
Postal Address		
Work Telephone	Work Fax number	Cell Phone
Home Telephone	Home Fax	E Mail address (in large black font please)!
Your IPET Membership Number (Last 4 digits)	Your ECSA Registration Number (If applicable)	
Your signature that info is correct	Race for Statistical Purposes only (Government keeps asking)!	Date

No 24.



The Erect IPET Conference Bag.

Compact and light when not in use, these useful expandable bags are approx. 370 X 280 X 85mm. Features include an expandable bottom; two zips compartments in front, a Velcro pocket, which can also be used for a Cell Phone, a number of unzipped pockets and an adjustable strap, which can convert the bag into a backpack. Made of a durable strong canvas material it comes with a carrying handle as well as a shoulder strap. Takes A4 size paper in the main front, rear and central pockets.

Selling price is R120 per bag plus Packing and Postage at R 50 including delivery by Insured Mail. You have to collect your insured parcel at the Post Office. *Only sold in & delivered in South Africa.* Overall total cost R170.00. Sold only by mail order. Note Cash, Postal or Money orders, Credit Cards, Debit Cards are not accepted. Cheques and direct transfer into IPET bank account are accepted. Bank details are Standard Bank Industria, Branch Code 00-50-05 Account No 002440741.

Please send your cheque / copy of proof of payment with your completed order form (below) to;
IPET

**P O Box 1824
Randburg
2125**

Please supply _____ (Quantity) of Conference Bags

Cheque to value of R _____ (attached).

Send to (Name) _____ (Phone No) _____

Postal address _____

Postal Code _____

Faulty E Mail Addresses of Members (May 2010).

Please check your details for your name below as bulk E news your given E mail address does not work.

Your given E mail address is not listed here for privacy reasons - just your name.

Rejection text received at our office include but is not limited to;

Deleted without being read! , Failed, No Such User., User Unkown, Mailbox full - retry timeout,

Rejected, Does not have an account. Account terminated.

Unkown, No such domain.

Kindly use the Information update Form on the Website to update your information.

Full details must be forwarded including membership number.

List is in Alpha sort on Surname.

Members Number	Members Name	Initials	Address Status
2834	Alexander	C	y
1947	Allopi	D	y
2786	Ambler	WT	y
3036	Amir	M	y
2875	Badenhorst	BG	y
3072	Baloka	AD	y
2809	Barden	Z	y
2675	Bava	SR	y
3088	Becker	LEF	y
2570	Bento	PB	y
0013	Boddy	MP	y
2854	Bogosing	ST	y
2339	Bolota	FD. De J	y
3044	Booyens	S	y
2851	Botes	D W	Unkown Postal Address
2355	Botha	T	y
2036	Botha	T	y
1755	Botha	J	y
2704	Boutlwanje	LA	y
2696	Brink	CL	y
2952	Brinkhurst	PJ	y
2921	Brown	J	y
1894	Bruens	TG	y
2656	Bryant	RW	y
3047	Budeli	L	y
2890	Bukubukwana	M R	y
1733	Busch	PA	y
2755	Charles	T	y
2194	Chemaly	CE	y
2974	Chinji	M	y
3042	Classen	MJ	y
0328	Combrinck	WH	y
2996	Cornelius	AHPD	y
1992	Cornelius	PJP	y

0370	Crous	JC	y
0127	Cullen	CHL	y
1697	Dal Lago	G	y
2655	de Bruyn	DJ	y
0928	De Graaff	EP	y
0023	De Kruijff	AJA	y
2123	Diem	RA	y
0989	Dingle	MA	y
0533	Dorrington	IL	y
1995	Du Plessis	JJ	y
2595	Du Preez	PJ	y
2700	Du Preez	JH	y
0823	Du Toit	AP	y
2189	Du Toit	SF	y
2850	Duckham	W N	y
2341	Elliott	GW	y
2876	Enslin	J M	y
2135	Essop	H	y
2844	Faure	CB	y
2988	Fillis	VW	y
2433	Forbes	BE	y
2495	Garrod	KP	y
2877	Geddie	GA	y
3092	Geldenhuis	JR	y
3132	Geldenhuis	D	y
2664	Geyser	SJ	y
2336	Govender	SD	y
2793	Govender	V	y
2916	Govender	Y	y
2951	Grobler	G	y
1895	Grobler	AC	y
1470	Grove	FA	y
2918	Hall	SR	y
2390	Hastie	CGA	y
0924	Haywood	WJ	y
2799	Herholdt	JH	y
2379	Hill	LS	y
3133	Hope	MA	y
2902	Hughes	MJ	y
2899	Jacobs	FJ	y
3134	Jacobs	A	y
2798	Janse van Rensburg	PJ	y
3041	Jansen van Rensburg	HP	y
2454	Jansen Van Vuuren	JG	y
2928	Jattiem	M	y
2458	Jones	CW	y
2131	Jooste	PJ	y
2953	Joubert	SP	y
3129	Kala Konga	YL	y
2999	Kamroodien	SA	y
1586	Kasl	K	y
1284	Kavallieratos	N	y
2716	Khan	RH	y
2654	Khan	A	y
2701	Khanyile	ST	y
2881	Kleinhans	R	y
2914	Klopper	CC	y

2895	Koloi	K W	y
2470	Kotze	MJ	y
2522	Kruger	C	y
2493	Kruger	PN	y
2267	Kruger	PJ	y
2408	Krummeck	B R	y
1486	Krusekopf	RH	y
2041	Labrum	AM	y
0221	Landman	JA	y
2882	Le Roux	G N	y
1592	Le Roux	JA	y
2674	Logan	BA	y
2640	Louw	D	y
2634	MacDonald	NA	y
3091	Machaba	MB	y
2698	Mahapa	MG	y
2886	Malinga	TW	y
0586	Mallinson	RJ	y
2580	Mans	GJ	y
1949	Mare	FR	y
2822	Maritz	P	y
2266	Martheze	J	y
2859	Mashaba	IP	y
3131	Mashoai	RS	y
3082	Matomola	MS	y
2643	Maunye	M	y
2879	Mbatha	T H	y
2377	Mkhacane	MM	y
2548	Mkhize	ZZN	y
2753	Mnqwazana	M D	y
2887	Molalathoko	N A	y
2413	Moloisane	RJ	y
2840	Motau	T A	y
2751	Mouton	J	y
2960	Mputle	SBL	y
2956	Mthandi	AT	y
2784	Mtshali	SS	y
2418	Mukwevho	M J	y
2438	Mulder	JH	y
2299	Mulder	BJ	y
2324	Mutasah	HW	y
0641	Mutch	KR	y
3039	Mvula	F	y
2590	Naidoo	S	y
2639	Namane	PR	y
2833	Nathane	TM	y
2648	Nduku	MN	y
2335	Ndwandwe	KE	y
2485	Neethling	HJ	y
0138	Nel	FID	y
1973	Ngqangweni	BW	y
2695	Nkonki	LL	y
2662	Nthangeni	W M	y
2997	Ntombela	S J	y
2234	OJAGEER	KR	y
2770	Oosthuizen	AW	y
2273	Partington	BA	y

2254	Passmore	J	y
2436	Pearse	SJ	y
2563	Pengelly	NB	y
2569	Pesic	L B	y
2968	Phillips	BA	y
2978	Phutha	TM	y
0071	Potgieter	IP	y
2586	Pretorius	FJ	y
2818	Pretorius	E	y
0665	Pretorius	JL	y
2883	Pretorius	J	y
2740	Qwabe	BB	y
2943	Ramparshad	N	y
2069	Rash	MF	y
0732	Rennie	CA	y
2621	Roditis	N	y
2785	Rourke	J	y
2986	Rudd	IC	y
2684	Sadler	ME	y
2451	Sassenberg	A-M	y
2325	Sathnarayan	S	y
3095	Shuka	P	y
2513	Sibanda	S	y
2623	Sieberhagen	GA	y
3022	Silala	NN	y
2119	Singh	K	y
2852	Singh	B	y
3003	Smit	DFS	y
1585	Smit	MJ	y
0766	Smrcka	JR	y
3074	Steenekamp	NK	y
2417	Steyn	J A	y
2812	Sypkens	S	y
2464	Terblanche	JP	y
3122	Thabeng	TE	y
2633	Thompson	J	y
2825	Tom	MH	y
3075	Tsebe	KA	y
2593	van den Heever	W	y
1817	van der Merwe	C	y
2733	van der Walt	T A	y
2318	van der Wath	CT	y
2964	Van Rooyen	D	y
0759	van Tonder	FS	y
2476	van Wyk	SFM	y
2794	van Wyk	JJJ	y
2114	van Zyl	HG	y
2554	Venter	E	y
2880	Venter	E	y
2624	Warburton	S	y
2649	Waters	S	y
2874	Wesso	RR	y
1891	Westman	TF	y
1328	Williams	O	y
2950	Wollon	AD	y
2553	Yule	AWL	y

