

Registration form: Domestic Use of Energy: 31 March-2 April 2014

Title Initials First name Surname
 Position Organisation
 Address
 Tel (w) (.....) Fax (.....)
 E-mail (Mobile) Code:

Dietary Requirements, if any:

Yes No

I am interested in participating in a workshop on

Yes No

DC Grid and Rural Electrification

I will submit a paper

If yes, Conference Topic number

Number to attend social functions:

Meet & Greet function: 31 March 2014

Conference dinner: 1 April 2014

Industrial visit: 31 March 2014

Cheques should be payable to: Cape Peninsula University of Technology

Please register on the web site <http://active.cput.ac.za/energy> or

complete this form in block letters and return it to

DUE Secretariat, Cape Peninsula University of Technology,

Cape Town Campus, PO Box 652, Cape Town, 8000, South Africa.

I am a member of (please tick appropriate box)

AMEU IEEEE SAAE SAEI SESSA SAIEE SAAES BESCO

22nd Domestic Use of Energy Conference

Members of the Organising Committee

Nico Beute (Convenor)*	CPUT, IEEE and SAIEE
Ernst Uken*	Energy Institute, CPUT
Latetia Venter	Eskom
Edwina Felix	CPUT
Gisela Prasad*	University of Cape Town
Philip Lloyd*	Energy Institute, CPUT
Ben Groenewald	CPUT
Peter Fowles	AMEU
Lodine Redelinghuys	Eskom
Marius van der Westhuizen	City of Cape Town
Michael Ndlovu	Eskom
Barry Bredenkamp	National Energy Efficiency Agency
Lisa Reynolds	SA Association of Energy Services Companies
Robin Thomson	Sustainable Energy Society Southern Africa
LJ Grobler*	North-West University
Johan Woudstra*	The Hague University of Applied Science, Netherlands
Richardt Wilkinson*	RMIT Melbourne Australia
Azeem Khan	IEEE
Tsakani Mthombeni	TIA

*These members also serve on the Editorial Committee

Members of Editorial Committee

Braam Dalglish	North-West University
Joan du Toit	University of Stellenbosch
Maryann Green	University of KwaZulu-Natal
Edward Chikuni	University of KwaZulu-Natal
Ognyan Dintchev	Tshwane University of Technology
Manfred Sakulin	Technical University Graz, Austria
Roger Morgan	Liverpool John Moores University, UK
Charlie Bhurtun	University of Mauritius
George Anderson	University of Botswana
Carol Mulholland	Academy for Educational Development, USA
Manfred Reineck	CPUT
Harold Annegarn	University of Johannesburg
Iqbal Jahmeerbocus	University of Mauritius
Ilyas Omar	CPUT
Rosetta Ziegler	CPUT
Deon Kallis	CPUT

Jointly organised by

Institute of Electrical and Electronic Engineering (SA chapters)
 South African Association of Energy Services Companies
 The Southern African Association for Energy Efficiency
 The South African Institute of Electrical Engineers
 Association of Municipal Electrical Undertakings
 Sustainable Energy Society Southern Africa
 Cape Peninsula University of Technology
 National Energy Efficiency Agency
 University of Stellenbosch
 University of Cape Town
 North West University
 City of Cape Town
 Eskom

supported by



INTERNATIONAL CONFERENCE

Towards sustainable energy, solutions for the developing world

Domestic Use of Energy

31 March - 2 April 2014
 Cape Peninsula University of Technology
 Cape Town, South Africa

Conference theme

Globally 1.456 billion people (18% of the world's population) do not have access to electricity, of these 83% live in rural areas. Less than 10% of the rural population has access to electricity. In South Africa, because of the electrification drive since the late 1980's, the electrification rate has increased appreciably to about 75%, which is considerably higher than the average for the African continent at about 45%. But there are still many who are unlikely to be connected to the grid in the near future. So the focus during this conference will be on the rural population.

Objectives

Over the past 21 years the "Domestic Use of Energy Conference" (DUE) has presented a forum for professionals, practitioners and end-users in all fields of domestic energy to discuss the latest developments in the effective use of energy in the residential sector. The importance of energy conservation is now widely recognised, especially as South Africa is facing rapidly increasing energy costs. Although generating capacity is increasing, there is great benefit in doing everything possible to reduce the increase in demand. Energy conservation through efficiency has always been high on the agenda of the DUE conferences.

DUE conferences have over the years followed the energy needs of South Africa. The focus has shifted from the provision of electrical energy to South Africa's underprivileged society and all the societal and financial challenges this brings to energy efficiency generally and the current Demand Side Management protocols.

The issues now addressed at DUE include sustainable energy provision; smart control systems, appropriate legislation and its implementation; the role of renewables; off-grid electricity supply and power purchase agreements through the tendering process. These challenges are particularly marked in the rural and remote areas of developing countries. Papers and workshops are targeted at establishing problem-solving partnerships where suppliers, distributors and users of energy, together with academia, will aim to speed up the provision and effective use of residential energy. Energy efficiency, consumer attitudes and behaviour, education and marketing are but a few of the factors that will be debated in detail at the conference.

Programme

31 March	10:00	Industrial visit
	18:00	Meet & Greet Function
1-2 April		Conference
1 April		Conference dinner

Conference topics

1. Customer needs
2. Domestic Appliances
3. Energy Efficiency in the Home
4. Electrification, mini grids & smart grids
5. Demand-Side Management
6. Energy Policies
7. Energy Audits and M&V
8. Renewable Energy (Solar, wind, hydro & bio)
9. Water Heating, Air-conditioning, Heat pumps
10. Smart Home Technology
11. Tariffs and Metering

Workshop

The workshop will focus on DC-grids and smart systems. Research groups in Europe are researching and promoting DC-grids because of the saving in copper and improved efficiency. They also argue that most appliances these days work on DC, and transforming the voltage in DC is relatively simple. In South Africa DC-grids are very appropriate for rural areas which are far from the national grid and where DC is generated by solar panels, for example.

Due dates

- 1 December 2013:** Submission of abstracts (500 to 1000 words)
- 31 January 2014:** Submission of papers in accordance with DUE guidelines (For guidelines go to <http://active.cput.ac.za/energy>)
Four weeks after submission: Acceptance of paper:
- 14 March 2014:** Powerpoint presentations for the workshop.

Continuous Professional Development (CPD)

Attendance qualifies for CPD points with ECSA for professional registration.

Exhibitors

Companies interested in exhibiting at the conference are invited to contact the Conference Secretariat. Early registration will secure a good exhibition site.

Attendance

Persons wishing to attend or present a paper at the conference, or participate at a workshop, should register on our website: <http://active.cput.ac.za/energy>

The organisers can be contacted at:

Domestic Use of Energy Secretariat

Tel +27 21 460-3660

Fax +27 21 460-3728

E-mail: due@cput.ac.za

Registration fee

Full Fee:	R3600/\$370
Industrial visit	R150/\$20
Members of AMEU, IEEE, SESSA, SAIEE, SAAE, BESCO or SAAEs	R3100/\$320
Presenting Authors/Students	R2650/\$280

10% discount if paid before 1 March 2014. 50% discount to students and academics from educational institutions in Africa. Limited funds are available for the registration fees of deserving delegates in financial need.

Conference fees are payable before or on 16 March 2014.

Conference Venue

ABSA Auditorium, Cape Town Campus, Cape Peninsula University of Technology

Accommodation: Best Western Hotel

The Best Western Cape Suites Hotel is opposite the Cape Town Campus of the university, which is a 20 minute drive from the airport.

The hotel provides a free shuttle service to and from the airport and the V&A Waterfront, subject to the hotel's driver being available at the time requested.

Book telephonically, by fax or Email (not on the internet) before: 1 February 2014 (quoting DUE Conference) to obtain the following special rates: R690 (single studio suite) and R930 for 2 in a 1 bedroom suite. The rate is including breakfast.

For reservations contact the Best Western Hotel at:

Tel: +27 +21 461 0727

FreeCall: 080 060 0852

Fax: +27 +21 461 0912

E-mail: reservations@capesuites.co.za

Web site: www.capesuites.co.za

Alternative accommodation

For information/booking at other hotels, guest houses, B&Bs and self-catering accommodation: Visit <http://southafrica.bedandbreakfasts.net/301/DUE.asp>

Day trips and tours

For day trips and tours, contact Cape Town Tourism:
Tel: +27 (0) 21 487 6800 Fax: +27 (0) 21 487 6859
E-mail: capetown@tourismcapetown.co.za