

## OPTI-NUM SOLUTIONS TRAINING COURSES

Opti-Num Solutions will hold the following courses in 2006:

- 16-17 February - Matlab for financial applications
  - 21-22 February - Matlab fundamentals and programming techniques
  - 1-2 March - Introduction to programming (using Matlab)
  - 7-8 March - Simulink for dynamic system modelling
  - 14 March - Advanced Matlab programming techniques
  - 15 March - Advanced Simulink modelling techniques
  - 16 March - Stateflow for logic driven system modelling
  - 28-29 March - Matlab fundamentals and programming techniques
  - 30 March - Matlab for building graphical user interfaces
  - 3 April - Simulink for communication system design
  - 4-5 April - Matlab for signal processing
  - 6 April - Simulink for signal processing
- Contact: Carlette (011) 325 6238 or [training@optinum.co.za](mailto:training@optinum.co.za)

## CERTIFIED ENERGY MANAGER COURSE

The SAAE, in conjunction with the AEE in the USA, locally presents a five-day comprehensive energy management training course. This course forms part of the certified energy management (CEM) programme that is presented in South Africa.

This in-depth course is ideal for professionals who seek a more detailed programme of instruction covering the technical, economic and regulatory aspects of effective energy management. It offers a comprehensive learning and problem-solving forum for those who want a broader understanding of the latest energy cost reduction techniques and strategies. The course

covers topics like conducting energy audits, energy audit instrumentation, energy codes and standards, building energy use and performance, energy accounting, energy and electric rate structures, waste heat recovery, lighting, motors and drives, HVAC systems, boilers and steam generation, maintenance, etc.

Date: 26 May to 2 June 2006

Venue: Emperors Palace, Gauteng

Contact: Christina den Heijer 082 334 0923 or [cemanager1@intekom.co.za](mailto:cemanager1@intekom.co.za)

## CERTIFIED PROFIBUS TRAINING COURSES

The PROFIBUS Competence Centre of Southern Africa offers internationally recognised, certified training courses on PROFIBUS fieldbus systems.

The Certified Installer's Course takes participants through all of the requirements and guidelines for installing PROFIBUS systems. As the majority of PROFIBUS problems experienced can be traced back to incorrect installation, this course forms a vital step in guaranteeing that those installing systems know and understand all of the cabling guidelines including earthing constraints, network termination, network topology, and the basic operation and troubleshooting of the PROFIBUS system.

The Certified Engineer's Course equips candidates with a detailed understanding of the protocol, as well as the tools and practical know-how to work on PROFIBUS systems at the highest levels. This would include design, development and troubleshooting of PROFIBUS networks.

Contact: IDXOnline (011) 465 7916 or [pcc@profibus.co.za](mailto:pcc@profibus.co.za)

## SKILLS LEVY PROGRAMS FOR THE ENERGY SECTOR

As a result of a need identified by the Department of Minerals and Energy, in terms of trained manpower to carry out energy audits and initiate energy savings and DSM initiatives, the following skills programs have been developed:

## Continuing Education

- Buildings Energy Auditors
- Industrial Energy Auditors
- Industrial Energy Managers

To enable employers to benefit from these Skills Levy programs, they have been registered with the ESETA. The University of Johannesburg's Faculty of Engineering and the Built Environment, as well as the trainer concerned, are in the process of being registered for ESETA accreditation. Financial assistance is also available from Eskom for energy services companies (ESCOs) who wish to attend the programs.

The programs are aimed at, among others ESCOs, building managers, maintenance managers, maintenance staff, energy managers, plant engineers and service providers. A minimum entry requirement is a diploma in engineering or equivalent, or appropriate experience which could be evaluated as equivalent.

Contact: Dr Andries van der Linde (011) 406 8139 or [andvdl@twr.ac.za](mailto:andvdl@twr.ac.za)

## BUILDING ENERGY AUDIT TRAINING (BEAT) COURSE

The BEAT course aims to develop the skills and knowledge required of individuals to conduct energy audits in government and other commercial buildings and the Supervising Engineer's Course aims to develop the skills and knowledge required of engineers who will manage and monitor the audit programme.

Date: 30 May - 2 June 2006 and 17-20 October 2006

Venue: Emperors Palace, Gauteng

Contact: Christina den Heijer 082 334 0923 email: [cemanager1@intekom.co.za](mailto:cemanager1@intekom.co.za)

## PLANT SAFETY IN HAZARDOUS AREAS

ExL Solutions offers a six module explosion prevention training course for Ex Management. This course was developed over a period of 10 years in the chemical industry and is presented by an accredited trainer.

Contact: Hannes du Toit (016) 429 3575 or [exlsolutions@worldonline.co.za](mailto:exlsolutions@worldonline.co.za)

## Conferences and Exhibitions

### EASTERN CAPE INDUSTRIAL TECHNOLOGY EXHIBITION

Date: 15-17 February 2006

Venue: Fresh Produce Terminal, Port Elizabeth Harbour

Contact: [robyn@exhibitafrica.co.za](mailto:robyn@exhibitafrica.co.za)

Web: [www.ignitex.co.za](http://www.ignitex.co.za)

### INDUSTRIAL AND COMMERCIAL USE OF ENERGY CONFERENCE 2006

ICUE will provide cutting-edge real world solutions to reduce energy related costs and improve overall performance in industrial plants, commercial, institutional and government facilities, with a full line-up of intensive seminars on a variety of current topics. Participants will learn about the latest regulatory and market trends, which impact their decisions, and hear firsthand reports on successful projects and technology applications. They will explore the complete spectrum of resources now offered by energy service providers to help reduce energy costs, analyse energy

data, develop DSM strategies, upgrade equipment, electricity tariffs, obtain projects financing and more.

Date: 22-24 May 2006

Contact: Sherna Williams or Nickey Amsterdam (021) 460 3658 or [icue@ctech.ac.za](mailto:icue@ctech.ac.za)

### WAVES OF CHANGE

The 2nd IESSA AGM and Congress titled "Waves of change" will be held from 19 to 22 February 2006 at the Protea Hotel Wilderness Resort. A very exciting congress is planned as well as an accompanying person's programme.

Exhibition space and various sponsorship packages are available.

Contact: Liesl de Wet (011) 622 4770

### PAN AFRICAN POWER CONGRESS 2006

The power industry in Africa is faced with major challenges which need to be examined by the industry players. This congress and exhibition is the arena where Africa's energy elite will unite to tackle these

challenges while conducting business and forming partnerships. It will cover all areas of the power industry with four co-located events:

- Power Generation World Africa 2006 is Africa's only focused generation exhibition
- Transmission and Distribution World Africa 2006 is an exhibition that will only focus on power transmission and distribution
- Renewable Energy World Africa 2006 creates a platform to build practical solutions to reach the renewable energy targets set throughout Africa
- Energy Efficiency World Africa 2006 showcases opportunities to increase the bottom line

The Pan African Power Congress provides stimulating and interactive panel discussions and practical case studies that will bring together well renowned speakers and panellists from throughout Africa.

Date: 3-7 April 2006

Venue: Gallagher Estate, Midrand, South Africa

Contact: Marelida Moodley (011) 516 4018 or email: [marelda.moodley@terrapijn.co.za](mailto:marelda.moodley@terrapijn.co.za)

## FREE THERMAL IMAGING LITERATURE

Get a free industrial maintenance thermal imaging applications guide and/or poster from Fluke. The poster covers applications in electrical, motors and process environments, while the guide gives detailed information on detecting loose or corroded elec-

## Publications

trical connections, detecting electrical unbalance and overloads, inspecting bearings, inspecting electrical motors and inspecting steam systems.

Comtest

Tel: (011) 695 9162

E-mail: [info@comtest.co.za](mailto:info@comtest.co.za)

## GRAFOPLAST IS MOVING

As of January 2006, Grafoplast Wiremarkers' head office will be accommodated in new wholly owned premises in Northriding, Randburg. The specialist in cable identification and cable management systems has, over the past two years, vastly expanded their product range with the acquisition of a number of agencies, necessitating the need for larger premises. The Northriding offices quadruple to 1 800 m<sup>2</sup> with a capacity to expand the warehouse space when re-

## New Premises

quired. The premises include a coffee shop with wireless capabilities serving workers and visitors to the business park. The new address is 361 Olympic Duel Ave, Northlands Business Park, Northriding, Randburg. Tel and fax numbers remain unchanged. Toll free number is 0800 GRAFO, and 0860 VELCRO. Contact (011) 704 3295