

## SCOPE

The goal of this colloquium is to expose both SAIEE and SACAC members to the latest automation technology used in the diverse manufacturing environment. Did you ever stop to think about the automation, control and robotics currently used in the metals manufacturing, pulp and paper, automotive, or even power generation environments? What is the future of control technology in the manufacturing environment of tomorrow?

## WHO SHOULD ATTEND

- Technicians, engineers and project managers and managers involved in process control in the manufacturing environment.
- Users and maintainers of automated plant.
- Researchers and academics interested in innovative control solutions in practice.
- Recent engineering graduates, marketing people and anybody interested in control engineering challenges.

## HOW TO REGISTER

Please complete the attached enrolment form and fax (or e-mail) it back to Jean McKenzie at (011) 482-2000, and mail the original with your payment to:

JEAN McKENZIE  
SACAC - SAIEE Colloquium on  
Automation in Manufacturing  
Private Bag 34  
Auckland Park 2006

## ENQUIRIES

Jean McKenzie: (011) 726 5300

“Jean Mc Kenzie” <assoc@nafcocjcci.co.za>

Johan Enslin: (011) 617 2025

“Johan Enslin” <johan.enslin@za.abb.com>

## PROGRAMME

09:00-09:30 Registration (tea/coffee)

09:30

- Opening address  
SACAC Vice President (*Prof Jonathan Tapson*)  
SAIEE President (*Ben Ngulubi*)

09:50

- Robotics in Automotive Manufacturing (*Altus Mostert, SAR Electronics*)
- Control of an Automatic Laser Cutting/Welding machine in Steel Manufacture. (*Johan Helberg, ABB*)

11:10-11:40 Tea/coffee

- Online Monitoring of Manufacturing Processes (*Prof Jonathan Tapson -UCT*)
- Motor Control in the Manufacturing Environment (*Howard Dunn, ABB*)

13:00-14:00 Lunch

- Process Control Trends in Power Generation (*Peter Knothe, Eskom*)
- Automation and Control of a Gantry Crane (*Bruce Burton, Univ KZN*)

15:20-16:00 Open discussion

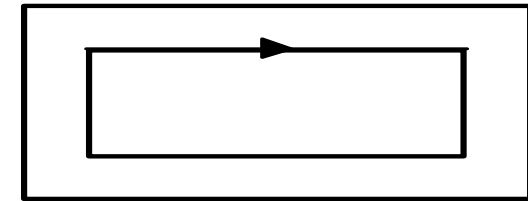
## ORGANISATION

Registration, where tea and coffee will be served, will open at 09:00 in front of the CM1 lecture theatre, with the opening address starting at 09:30. Secure parking is available (see map on reverse side).

## WORKSHOP FEE

The workshop fee is R900 for SACAC and SAIEE members, R1200 for non-members and R300 for students (proof is required). The fee includes notes, tea/coffee served, and a luncheon.

South African Council for  
Automation and Computation



Suid-Afrikaanse Raad vir  
Outomatisasie en Berekening



The South African Institute of Electrical  
Engineers

# SACAC – SAIEE

## Colloquium on Automation in Manufacturing

To be held at

## University of the Witwatersrand

On

## Thursday, April 1, 2004

# SACAC – SAIEE Colloquium on Automation in Manufacturing

## Enrolment Form

To: JEAN McKENZIE      Fax: (011) 482-2000

Name 1: \_\_\_\_\_

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

Name 2: \_\_\_\_\_

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

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

Tel No: \_\_\_\_\_ Fax: \_\_\_\_\_

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

### CONDITIONS OF ENTRY

1. Unforeseen circumstances may necessitate the appointment of speakers different from the ones advertised.
2. Cancellations are accepted IN WRITING and without penalty, up to 7 working days prior to commencement of the workshop - SUBSTITUTES ARE ACCEPTED.
3. Delegates cancelling IN WRITING less than 7 days prior to commencement of the workshop will be liable to pay a 20% cancellation fee.
4. If prior WRITTEN notification is not received, default delegates will be liable to pay a 30% cancellation fee.
5. The workshop fee as indicated includes notes, refreshments and luncheon, and payment must be made to SACAC in advance. Please mention with your payment “SACAC – SAIEE Colloquium” with your name and the company you work for.
6. Bank details for transfers are: Account name SACAC, First National Bank, Parktown, bank code 250455 and account number 54920075916.
7. In case of insufficient applications for the workshop, SACAC reserves the right to cancel the workshop. Applicants will be informed and all fees will be refunded immediately. The number of applicants on the workshop is limited and acceptance will be on a first come, first serve basis.
8. For further inquiries please contact Jean McKenzie Tel: (011) 726 5300

Lecture Theatre CM1 in the Basement of the Chamber of Mines Building on West Campus at the University of the Witwatersrand (Wits). Use the entrance/security gate on Enoch Santonga which is the nearest entry to the Chamber of Mines Building. The Parking lots can also be found just after the gate on both sides.

