



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

## Faculty of Engineering, Built Environment and Information Technology

Fakulteit Ingenieurswese, Bou-omgewing en  
Inligtingtegnologie / Lefapha la Boetšenere,  
Tikologo ya Kago le Theknolotši ya Tshedimošo

## Programme Program Lenaneo

Projects evening  
Projekte-aand  
Bošego bja diprotšeke

5/11/2015

[www.up.ac.za/ie](http://www.up.ac.za/ie)



Department of Industrial and  
Systems Engineering

Departement Bedryfs- en  
Sistemingeniërs wese

Kgoro ya Boentšenere bja  
Intasteri le Dipeakanyo

40 years

40 jaar

Mengwaga ye 40

### Welcome

18:30 Prof Johan W Joubert

### Dean

18:35 Prof Sunil Maharaj

### Guest speaker

18:40 Roland Röhrs

### Introduction of students

18:50 Dr Marné de Vries

### Presentations

18:55 Eckhardt Horstmann

19:10 Yolandi le Roux

19:25 Alemayehu Tafesse

### 19:40 Interval

19:50 Ninon Louw

20:05 Stefan Enslin

20:20 Vincent de Andrade

### Awards ceremony

20:35 Prof Sarma Yadavalli

### Verwelkoming

18:30 Prof Johan W Joubert

### Dekaan

18:35 Prof Sunil Maharaj

### Gasspreker

18:40 Roland Röhrs

### Voorstel van studente

18:50 Dr Marné de Vries

### Aanbiedings

18:55 Eckhardt Horstmann

19:10 Yolandi le Roux

19:25 Alemayehu Tafesse

### 19:40 Pouse

19:50 Ninon Louw

20:05 Stefan Enslin

20:20 Vincent de Andrade

### Prysoorhandiging

20:35 Prof Sarma Yadavalli

### Kamogelo

18:30 Prof Johan W Joubert

### Hlogo ya Lefapha

18:35 Prof Sunil Maharaj

### Seboledi sa letšatši

18:40 Roland Röhrs

### Tsebišo ya baithuti

18:50 Dr Marné de Vries

### Dikabo

18:55 Eckhardt Horstmann

19:10 Yolandi le Roux

19:25 Alemayehu Tafesse

### 19:40 Kgala

19:50 Ninon Louw

20:05 Stefan Enslin

20:20 Vincent de Andrade

### Moletlo wa difoka

20:35 Prof Sarma Yadavalli

Guests move to the foyer where  
refreshments are served

Gaste beweeg na die portaal waar  
versersings bedien word

Baeng ba ya mathuding moo go  
fiwago dilapološi

## Department of Industrial and Systems Engineering

**40** years  
1975 – 2015

When describing the evolutionary development of an academic department of a university it should be done with dispassionate relevance.

### A brief history

of the field of Industrial Engineering (IE) at the University of Pretoria (UP) and in South Africa:

- |              |   |
|--------------|---|
| 1956         | Faculty awareness of need for University training in additional engineering disciplines such as IE.   |
| 1960         | First IE undergraduates enrolled.   |
| 1963         | First IE graduates in South Africa.   |
| 1970 onwards | Numerous postgraduate degrees conferred   |
| 1975         | <b>Independent Academic Department</b><br><br><b>Department of Industrial and Systems Engineering</b><br><br>Since establishment, the department has produced approximately 2800 graduates. |
| 1981         | Departmental academic staff drive creation of and serve SA Institute of Industrial Engineering (SAIIE) with assiduity.  |
| 1984         | SA Council of Professional Engineers recognize professional status of IE as a fully fledged independent distinct engineering discipline.  |
| 1987         | SA Journal of Industrial Engineering (SAJIE) established for SAIIE.<br><br>SAJIE gains international recognition as an accredited scientific journal (ISI Science Citation Index).          |
| 2015         | <b>40 Year celebration</b><br><br>Our alumni continue to impress the national and international milieu with their knowledge, experience, creativity and diligence.                          |

### Current developments

A vision of the future ongoing activities of the Department of Industrial and Systems Engineering as a distinct legally recognized engineering discipline at UP is to:

- serve the Republic of South Africa by producing engineers capable of making significant contributions to man-machine systems of different sizes and purpose (production and service);
- continue to enrich and embellish the use of quantitative models of IE systems in the never ending search for efficiency and productivity;
- rigorously and continuously meet the curriculum accreditation requirements specified by the Engineering Council of South Africa;
- manage the day-to-day existence and operation of the Department in terms of the ISO 9000 Standard for Quality Management by using an in-house documented Quality Management System;
- support other engineering disciplines in solving problems of a multidisciplinary nature particularly where economic conditions may prevail;
- introduce to the entire population of school leavers the opportunity for eventful and meaningful participation in the profession of IE;
- be active in research, producing research outputs that are relevant nationally and internationally;
- unabatedly continue to produce the best quality of Industrial Engineers in South Africa; and
- vigorously maintain the foremost position in the field of endeavour.

### Focus areas

- Optimization
- Business Engineering
- Supply Chain Engineering

Past and future activities of the Department cannot be referred to without laudatory commendation of the host of pioneering undergraduate and postgraduate students that formed an indispensable foundation of Industrial and Systems Engineering.

### Heads of department

Prof P.J. Botha  
Prof P.S. Kruger  
Prof S.J. Claassen  
Prof V.S.S. Yadavalli

### Donors

