

Intreerede Inaugural Address Kennisgewing / Notice

Dit is die Senaat se wens dat dosente hulle kollegas by intreeredes ondersteun.

Dit verg baie moeite om 'n intreerede voor te berei, daarom versoek die Visekanselier en Rektor veral personeel van die betrokke fakulteit vriendelik om die geleentheid by te woon.

It is the wish of the Senate that lecturers support their colleagues at inaugural ceremonies.

Substantial effort goes into the preparation of an address, therefore the Vice-Chancellor and Principal kindly requests especially staff of the faculty concerned, to attend the occasion.

Professor ER (Egmont) Rohwer

Hoof: Departement Chemie
Head: Department of Chemistry



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Faculty of Natural and Agricultural Sciences

KENNISGEWING AAN ALLE DOSENTE / NOTICE TO ALL LECTURERS

**Intreerede van / Inaugural address of
Prof ER (Egmont) Rohwer**

**Professor en Hoof: Departement Chemie
Professor and Head: Department of Chemistry**

Alle dosente en belangstellendes word hartlik uitgenooi na die intreerede van Prof Egmont Rohwer

**DINSDAG, 21 AUGUSTUS 2012 OM 18:00
in die
SENAATSAAL, UNIVERSITEIT VAN PRETORIA**

All lecturers and those interested are cordially invited to the inaugural address of Prof Egmont Rohwer

**TUESDAY, 21 AUGUST 2012 AT 18:00
in the
SENATE HALL, UNIVERSITY OF PRETORIA**

SUBJECT: *"Mass Spectrometry, Chromatography, Chemistrywhat is the purpose?"*

SUMMARY: This multifaceted question will be addressed through details of the speaker's own career, drawing conclusions as to the role of Chemistry at the University of Pretoria and in our country. The use of expensive instruments and highly sophisticated infrastructure is justifiably under scrutiny when a university considers state-of-the-art education and research in the experimental sciences. Doubly so in a country with an emerging economy where the priority lies with primary education, crime prevention, health care, service delivery, housing and job creation. The apparent contradiction of high-tech science in a developing country can only be resolved when facilities are correctly managed, world class research leaders can be recruited, critical mass can be maintained over years, applied projects of obvious local relevance are tackled and research money can be leveraged from industry and international agencies with the common goal of sustainable development. Where these conditions cannot be guaranteed, responsible action requires such facilities to rather be closed down towards consolidation of those with a better chance of serving the needs of society.

Analytical chemical technology provides the means to perform reality checks on theoretical models in the natural sciences and is thus fundamental to the advance of diverse disciplines that increasingly require understanding at the atomic and molecular level. The techniques of Chromatography and Mass Spectrometry (MS) are both about one hundred years old but commercial equipment only became available much later, largely through the need of the petrochemical industry that, even today, grapples with quality control of products such as petrol or diesel that can contain more than 30,000 compounds. The two techniques couple synergistically and today all well-equipped government and industrial laboratories have GC-MS and LC-MS equipment to perform routine tasks. More sophisticated research is performed on multi-dimensional and high resolution instruments as found in the laboratories at UP. These non-routine techniques are required to train future analytical chemists and to support research in matters of health, water, energy, food, forensic science, biology, environmental pollution, archaeology and engineering - examples of such interdisciplinary projects are ongoing at UP.

**Gades, vriende en ander belangstellendes is baie welkom.
Spouses, friends and other interested persons are most welcome.
Stuur asseblief die voltooië antwoordstrokke terug voor 10 Augustus 2012.
Please return the completed reply slip before 10 August 2012.**

Registrateur / Registrar

**INTREEREDE:
INAUGURAL ADDRESS: PROF ER (EGMONT) ROHWER**

**Stuur terug aan: Ria Swart
Return to: Sekretaresse/
 Secretary
 Departement Chemie
 Department of Chemistry
 Fakulteit Natuur- en Landbouwetenskappe
 Faculty of Natural and Agricultural Sciences
 Tel 012 420 3772
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Naam:
Name:

Departement:
Department:

Aantal persone wat intreerede sal bywoon:
Number of persons attending inaugural address: