

DEPARTMENT OF MECHANICAL ENGINEERING SCIENCE

Manufacturing Research Centre



Modern Technologies and Pathways for the Energetic Use of Biomass



A lecture series and summer school on bioenergy

hosted by the Manufacturing Research Centre, SeTAR, University of Johannesburg
Co-hosted by the South African National Energy Association (SANEA)

Presenter: Dr Ludger Eltrop

Head of Dept. Systems Analysis and Renewable Energies.
University of Stuttgart & Visiting Professor at University of Johannesburg

Venue: Resolution Circle, Auckland Park

Dates: Thursday 17 to Saturday 19 September 2015

Scope:

- production, processing and supply of biomass as a raw material and energy carrier
- physical, chemical and technical parameters of biofuels for energy generation
- technical, economic and environmental properties of bioenergy conversion technologies
- bioenergy as a component of modern energy systems
- lecture and exercises, practical demonstration, small group discussions, site visits

Who should attend?

The course will be of benefit to all who are concerned with renewable energy, specifically energy derived from biomass in any of its diverse forms. Prospective participants will include:

- ⇒ Energy researchers and engineers in bio-energy sector (solids, liquids, gasses)
- ⇒ Graduate students in the renewable energy and energy security/planning domains.
- ⇒ Environmental and energy consultants
- ⇒ Project implementers working on bioenergy energy, planning and environmental issues
- ⇒ Members of NGOs and CBOs concerned with renewable bioenergy
- ⇒ Local, provincial and national government officials and policy makers in the energy, environmental or sustainability sectors.

Cost

- 3 day course – R4,500 per delegate, (includes a light lunch and refreshments each day).
- Fees will be payable up front and proof of payment be emailed to mrc@uj.ac.za.
- Invoices will be generated on request.
- Please note that there is no provision for cancellation, and submission of a registration form will result in the full fee becoming payable.
- Registered GEMES full time students of UJ: No charge. Pre-registration is still required for catering purposes.

Registration

- Intending applicants are requested to [click here](#) to register.
- Banking details will be provided upon registration.
- Please email proof of payment by deposit or (EFT) electronic funds transfer to mrc@uj.ac.za and bring a copy thereof to the registration desk on Day 1.

Venue

Resolution Circle

Cnr Barry Hertzog & Napier, Auckland Park:

Click here for a [Map](#). Parking is available

Dates and Times

Dates: Thursday 17 to Saturday 19 September 2015

Registration: from 08:00 to 09:00, Thursday 17th September

Enquiries:

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The lecturer: Dr Ludger Eltrop

Present position: Head of Department “Systems Analysis and Renewable Energies” at IER, University of Stuttgart, Germany; and Visiting Professor, University of Johannesburg.

Education and professional background: Dr Eltrop studied biology at the University of Bonn, the University of Toronto, and the INRA in Montpellier, France. He qualified with a PhD at the University of Hohenheim. Dr Eltrop worked as a project engineer in composting technology, before taking up his present position at the University of Stuttgart in 2003. He was project manager of the EnerKey-Sustainable Megacity - Gauteng project from 2005 to 2013, so he is well acquainted with the energy landscape of South Africa. He has served on several governmental advisory panels on implementation of bioenergy strategies.

Key competencies:

- Energy technologies and systems
- Renewable energy systems and new energy technologies
- Environmental and ecological analysis.
- Land use systems; agriculture and silviculture systems; also in the tropics, semi-tropics and arid areas; production systems
- Energy planning
- Energy and sustainable development, energy and climate.

For further information contact

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