



POWER SYSTEMS SIMULATION

22– 26 May 2017

STIAS, Wallenberg Research Centre, 10 Marais Street, Stellenbosch, 7600

Synopsis:

The overall aim of the module is to understand and be able to implement the principles involved in electricity networks containing different generation types where renewable energy is expected to play an increasingly important role. **The short-course can be attended as an introductory and practical 3 day event, or as a 5 day event which includes further detailed fundamentals.** The module focusses on power generation, resource and cost analysis, with only basic coverage for transmission and demand.

No academic credits can be obtained by attending this course.

Who should attend?

Any person or organization that would like to learn more about electricity planning basics and fundamentals will benefit from attendance. The material is suitable for any tertiary level graduates or beyond with sufficient exposure to mathematics, statistics and/or financial background.

Certification and Accreditation

The module has been registered with the Engineering Council of South Africa for Continuous Professional Development points. A Certificate of Attendance with an indication of the CPD points and level will be awarded to all participants who attend the full 3 or 5 day course.

Venue and Time

This course will be presented at the Wallenberg Research Centre @ Stias, 10 Marais Street, Stellenbosch **and will run from Monday 22 May to Wednesday 24 May (3 day course) and to Friday 26 May (5 day course) from 08:00 to 17:00**

Directions can be obtained from: <http://stias.ac.za/location-and-map/>

Travel and Accommodation

All travel arrangements are for your own account. The Stellenbosch Information Bureau can be contacted at tel. 021-883 3584 for available accommodation near the university. A list of available guesthouses can also be obtained from crses@sun.ac.za.

Registration

The course is designed for a restricted number of attendees so as to personalize and maximize the learning experience. Bookings will be taken on a first come first served basis.

Registration must be done online:

3 day course:

<http://apps.sun.ac.za/SCD/ApplicationForm.aspx?offerid=372cde04-b2fc-e611-99f0-0050568000ff>

5 day course:

<http://apps.sun.ac.za/SCD/ApplicationForm.aspx?offerid=c404060b-b2fc-e611-99f0-0050568000ff>

No registration is final until you have received a confirmation by email from Stellenbosch University.

Registrations close on 5 May 2017

Course Fees

- Course fee for **three day** course: **R8000**
- Course fee for **five day** course: **R11 000**
- **Cancellation of enrolment made up to and including 5 May 2017 will be subject to a 15% handling fee.** No refunds will be made after this date; however, substitutions will be accepted.
- **Attendance without payment will not be permitted.**
- In the case of unforeseen circumstances Stellenbosch University reserves the right to cancel the course or

change the lecturer, in which case all fees will be reimbursed in full on request.

- The course fee includes all study material, tea/coffee and lunches.

Presenter



Dr Paul Gauché is the lead presenter and will be assisted by invited presenters from CSIR and elsewhere. Paul is a mechanical engineer by qualification (UP: BEng 1993 & MEng 1996; SU: PhD 2016) with over 20 years combined experience in technology management, systems engineering, strategic planning, solar thermal energy research,

energy systems analysis and lecturing in the U.S. and South Africa. After 15 years in the semiconductor and electronics industry, Paul moved into solar energy and energy systems analysis research. During this time he founded the Solar Thermal Energy Research Group at SU. He has recently been appointed as associate professor (extra-ordinary) in the Engineering Management and Sustainable Systems (EMSS) group in Industrial Engineering and has accepted the position of manager to the Sandia National Laboratories CSP department and testing facility in Albuquerque, New Mexico.



Centre for Renewable and Sustainable Energy Studies



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