



## Integrated Supply-Side Technology

(Certificate of Attendance)

**27 August – 1 September 2018**

**Engineering Faculty, Stellenbosch University**

### Synopsis:

The course provides an insight into the supply side of the power system. The focus will be on power delivery characteristics of conventional power stations, intermittent renewable power stations and utility-scale energy storage.

Economic dispatch, energy storage scheduling, load-frequency control and inter-area power flow, dynamic system stability and inertia will also be covered.

An overview of applicable network codes and regulations, and introduction to power system modelling and simulation software will be discussed.

*No academic credits can be obtained by attending this course.*

### Who should attend?

Any person or organization that needs to learn more about the supply side of the power system, integration of renewable energy supply, power system simulation and electricity planning will benefit from this course. Attendees are required to hold an engineering diploma or degree, or show extensive work experience in the power engineering fields

### 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 participants who attend all three days of the course.

### Venue and time

Room E302, Electrical Engineering Faculty, Stellenbosch University. Monday, 27 August to Friday 30 August 2018 0800 -17:00 and Saturday 1 September 09:00 – 13:00.

### Travel and accommodation

All travel arrangements are for your own account. Call the Stellenbosch Information Bureau on 021 883 3584 for accommodation near the university. You can request a list of available guesthouses from [crses@sun.ac.za](mailto:crses@sun.ac.za).

### Registration

In order to personalise and maximise the learning experience, the number of attendees is limited and bookings will be taken on a first come, first served basis.

### Registration must be done online at:

<http://apps.sun.ac.za/SCD/ApplicationForm.aspx?scours eid=5051>

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

*Registrations close on 10 August 2018*

### Course fees

- The fee for the **five-day** course is **R10 500.00**
- **Cancellations made up to and including 10 August 2018 will qualify for a full refund.** No refunds will be made after this date; however, substitutions will be accepted.

- **Payment is mandatory for attendance.**
- 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 lunch.

### Presenter



**Dr Bernard Bekker** holds the positions of Eskom Chair in Power System Simulation & Associate Director of CRSES (Centre for Renewable and Sustainable Energy Studies) within the Engineering Faculty at Stellenbosch University.

His research focuses on power system planning and operation, specifically related to the increasing prevalence of grid-connected distributed storage and generation.



Centre for Renewable and Sustainable Energy Studies



Faculty of Engineering

Private Bag x1; Matieland, 7602 • South Africa  
Tel+27(0)21808 4069 Fax/Faks:+27(0)21883 8513  
[crses@sun.ac.za](mailto:crses@sun.ac.za)  
<http://www.crses.sun.ac.za>