
GENERATOR EXCITATION CONTROL SYSTEMS

½-day Training Course

WHAT WILL I LEARN?:	After this training course power engineers will know the principle of operation of an automatic voltage regulator (AVR), an excitation system and a power management system (PMS). In this unique course we will pay attention to applications from simple gensets, to larger generators and to complex systems with multiple generators.
SCHEME:	A Brush Prismic excitation controller will be the example. The trainer has experience with the MicroAVR, A30, A10, A12 en A32.
COURSE CONTENT:	<ul style="list-style-type: none">• Static and Brushless Excitation Systems• Stand-Alone Operation - constant voltage and speed• Island Operation - droop, influence of unit transformers• Parallel Operation with the Utility• Functions of a Power Management System (PMS)• Synchronisation Systems• Specifications of an Excitation Control System• Regulation Loops (voltage, power factor, VAR, field current)• Limiters• Excitation System Monitoring (60FL, 58, 64R)
WHO SHOULD ATTEND?:	Electrical engineers with general computer skills and some knowledge of power systems.
TRAINER:	Hans Stutvoet MSc
LANGUAGE:	English or Dutch
HAND-OUTS:	Manual of the specific AVR (in PDF-format) will be used for reference.
DATE & LOCATION:	This half-day training course is offered as an internal company course. The course dates will be determined in concert.
COURSE FEES:	On request (depends on location and number of participants)
MORE INFORMATION:	Call +31 6 22992403 or email hans.stutvoet@svri.nl