

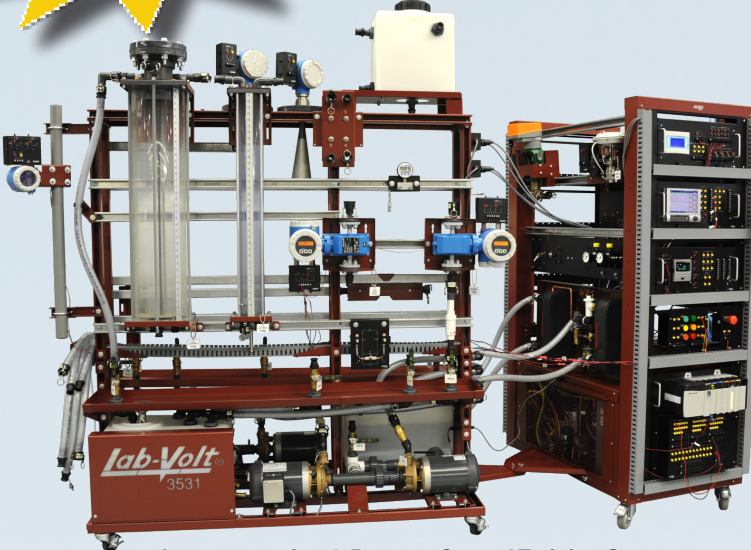


Power Plant Technology Conference at Moultrie Technical College

Thursday, February 16, 2012

Tifton Campus • 52 Tech Dr. • Tifton, GA 31794

8:30 AM – 3:30 PM • Coffee/Pastries & Lunch Provided



Instrumentation & Process Control Training System



0.2-kW Electromechanical Training System



Lab-Volt Systems, Inc. is proud to lead the way in offering new hands-on training systems in Power Plant Technology. The Power Plant Conference will be held in the Q-Building of Southern Polytechnic State University in Marietta, GA.

Topic Coverage includes:

- Instrumentation and Process Control
- Electromechanical Systems



To Register: Call 800-772-7379, Fax 864-596-8924, or email Tisha Hayes (thayes@seslabs.com) at Southern Educational Systems. Click the Send button on the form below to email.

Workshop pre-registration is required. Directions to workshop location provided upon registration.

REGISTRATION

NAME _____ TITLE _____

E-MAIL _____

SCHOOL/COMPANY _____

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

Workshop Agenda

Time	Presenter	Topic	Equipment Used
8:00 - 8:45		Breakfast	
8:30 - 8:45	Dave Heilesen	Welcome and Opening Session	
8:45 - 9:30	Phil Ranger	Teaching Electromechanical Systems: the Lab-Volt Way <ul style="list-style-type: none"> » Versatility and Modularity in Topics » Industrial Loads: Electrical and Mechanical Loads 	
9:30 - 10:30	Phil Ranger	Classroom Instrumentation: Traditional or Data Acquisition? <ul style="list-style-type: none"> » Teaching Power Factor the easy way: with Data Acquisition » Data Acquisition and research : Modularity, MatLab, LabView, etc. 	
10:30 - 10:45		Coffee Break	
10:45 - Noon	Phil Ranger	Smart Grid Concepts (Introduction) <ul style="list-style-type: none"> » “Conventional” Synchronous generators: active and reactive power control » Smaller production and Home energy integration » Transmission Lines Concepts: SVC, Statcom, protective relays 	
Noon - 12:45	Moving Back to the main room and Lunch Break		
12:45 - 1:30	Phil Ranger	Industrial Size Wind Turbine: Electric Generators Configurations <ul style="list-style-type: none"> » Asynchronous generators » Doubly-fed induction generators (DFIG) » Permanent Magnet Synchronous Generators 	
1:30 - 2:30	Phil Ranger	Home Energy Production <ul style="list-style-type: none"> » Principles of Power Electronics converters » Off-grid and grid-tie inverters 	
2:30 - 2:45		Coffee break	
2:45 - 4:15	Chris Estes	Teaching Instrumentation and Process Control in a classroom <ul style="list-style-type: none"> » Teaching with industrial instrumentation and controllers <ul style="list-style-type: none"> › Pressure/Flow/Level/Temperature, pH, Conductivity, etc. 	3531 Demo Process Control
4:15 - 4:45	General Session	Questions, open session, etc.	