

Trends in Automation

As part of the 3rd International Green Energy Conference Mälardalen University, ABB, Prevas and other companies will arrange the workshop and conference “Trends in Automation”.

This starts June 18 with a number of key note speeches on different energy related subjects by speakers like the Lars. G. Josefsson, CEO for Vattenfall, one of the major power companies in Europe, Thomas Korsfeldt, President for the Swedish Energy Agency, Björn Stigson, president of Business Council for Sustainable Development in Genève and Ander Ericsson, vice president for Mälarenergi.

After the key-note speeches and lunch we will have a workshop to discuss **“Energy efficiency improvements in 1) Process industry 2) Heat and Power generation”**. This will be chaired by Prof. Erik Dahlquist, Mälardalen University and Prof. Alf Isaksson, ABB Corporate Research. The workshop will cover different aspects on what is going on in power and process industry, but will focus primarily on energy aspects this year. The discussion will be with all participants in the workshop. Aspects that will be covered are e.g.:

- How can new soft-ware tools be used to decrease the energy usage and what will it mean with respect to other needs like tighter control limits? How can we integrate advanced soft-wares in a common process control platform?
- How can we simultaneously achieve both better solutions with respect to energy “consumption” and better robustness in the control, to reduce down time?
- How can we optimize complex systems like production, distribution and consumption of electricity or heat? How can we handle uncertainties of different kind? How integrate wind, solar and other renewable resources in a stable system?
- What are the needs for better process control for new processes coming up like ethanol production, high and low temperature gasification, CO₂-removal from exhaust gases as well as demands from the process industries in the future?

The discussion will be written down and included in the conference proceedings for the Green Energy conference.

In the afternoon there will be a study tour to ABB Automation facilities in Vasteras. In the evening the Västerås City will invite all participants to a buffet dinner at the City Hall.

June 19-20 there will be scientific sessions with papers in the area of "Energy efficiency improvements" and other related Automation subjects, as part of the Green Energy conference. There will be a total of more than 30 sessions with more than 160 reviewed papers.

For more information, please go to the web-site: www.igec.info for registration or <http://www.automationregion.com/>

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Schedule June 18th:

Key note speeches: 09.00 – 12.30

Lunch: 12.30 – 14.00

Workshop: 14.00 – 16.00

Tour to ABB Automation facilities: 16.00 – 18.00 (Biogas bus to Finnsletten)

Buffet dinner at Västerås City Hall: 19.00 –