

## Kemiingeniørgruppen

DaSTA/NoSTAC in collaboration with DaKS presents

### Thermal analysis and Energy Materials

### From fuel cells to coated windows.

**Wednesday 18. May 2011, 9.00 – 16.30**

in the Niels Bohr Auditorium, Risø DTU, Frederiksborgvej 399, 4000 Roskilde

The symposium takes thermal analysis in a broader sense and presents aspects of thermal analysis and energy-related materials: Testing new materials, electronic devices, and construction elements at higher temperature or in thermal gradients. The aim may be to establish the life time of wind turbine blades under extreme conditions or to prevent hazards like explosions in laptop batteries. Quantification of heat transmission through insulation materials and energy efficient windows is prerequisite to efficiently saving energy in buildings.

09.00	<i>Welcome by Chairman of DaSTA</i>	<i>Gurli Mogensen, Haldor Topsøe A/S</i>
09.10	<i>Thermoelectric oxide ceramics, an environmentally friendly source of electrical power</i>	<i>Nini Pryds, Risø DTU</i>
09.50	<i>Lithium-ion Batteries – Technology and Electrode Materials</i>	<i>Kirsi Jalkanen, European Batteries OY, SF</i>
10.30	<i>Coffee</i>	
10.50	<i>Battery testing with isothermal calorimetry</i>	<i>Malin Suurkuusk, TA Instruments</i>
11.30	<i>Energy materials: The potential for cellulose fibres and their composites</i>	<i>Hans Lilholt, RisøDTU</i>
12.10	<i>Lunch</i>	
13.00	<i>Thermal Analysis materials testing</i>	<i>Dr. Jürgen Blumm, Netzsch, Germany</i>
13.40	<i>Thermal properties of stone wool</i>	<i>Dorthe Lybye, Rockwool International A/S</i>
14.10	<i>Energy efficient insulation windows</i>	<i>Jens Bøndergaard, Velux A/S</i>
14.40	<i>Coffee</i>	
15.00	<i>Materials for the coming Energy Technologies: Bio fuel production and Fuel Cells</i>	<i>Jens Christiansen, Teknologisk Institut</i>
15.30	<i>Thermal analysis for development of anode materials for solid oxide fuel cells</i>	<i>Shanwen Tao, University of Strathclyde, UK</i>
16.00	<i>Thermal Analysis of high temperature fuel cell materials</i>	<i>Karsten Agersted Nielsen, Risø DTU</i>
16.30	<i>Closing</i>	

Symposium fee: 800 DKK. Free participation for students.

**Registration before May 5th** at [ida.dk](http://ida.dk) or phone: +45 33 18 48 18. Event number. 122823

How to find RisøDTU: [http://risoe.dk/meet\\_us/Vejviser.aspx](http://risoe.dk/meet_us/Vejviser.aspx).

**DaSTA/NoSTAC**: Danish/Nordic Society for Thermal Analysis. **DaKS**: Dansk Keramisk Selskab

