



**ENERMAT Meeting and Training Course - Nanomaterials and Hybrid
Materials**
November 24 & 25, 2011

Thursday, November 24

- 8:30 - 9:00** **Registration**
- 9:00 - 9:30** **Welcome to Aveiro and Event Opening**
- 9:30 - 10:15** **Keynote 1: *Chemistry and physics of Hydrogen storage materials***
Andreas Borgschulte, EMPA Materials S&T – ETH (Zurich)
- 10:15 - 10:45** ***Manipulation of nanostructures in a transmission electron microscope***
Pedro Costa, CICECO – University of Aveiro
- 10:45 - 11:15** **Coffee break**
- 11:15 - 11:45** ***Organic LEDs and photovoltaics: the macroscopic dependence of nanostructure***
Luiz Pereira, I3N- University of Aveiro
- 11:45- 12:15** ***Polyoxometalates: let there be light!***
Helena Nogueira, CICECO- University of Aveiro
- 12:15 - 13:00** **Keynote 2: *The energy challenges for the next thousand years: is lithium the answer?***
Veronica Bermudez, UTAD
- 13:00 – 14:30** **Lunch**
- 14:30 - 15:15** **Keynote 3: *Inorganic-organic hybrid materials for advanced packaging technology***
Ruth Houbertz-Krauß, Fraunhofer ISC
- 15:15- 15:45** ***Group III-N semiconductor nanostructured materials for efficient solid state light emitters***
Sérgio Pereira, CICECO – University of Aveiro
- 15:45 - 16:15** ***Fuel cells and electrolyzers – route to a carbon neutral energy cycle***
Duncan Fagg, TEMA – University of Aveiro
- 16:15 -16:45** **Coffee break**
- 16:45 - 17:15** ***Hybrid Organic–Inorganic Materials For Green Photonics***
Luís Carlos, CICECO – University of Aveiro
- 17:15 - 18:00** **Keynote 4: *Industry and Innovation***
Elvira Fortunato, I3N- FCT - U. N. Lisboa
- 19:00** **Social Program**

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Friday, November 25

09:00 - 13:00* Characterization techniques

- NMR spectroscopy
- Photoluminescence
- Atomic Force Microscopy (AFM)
- Electron Microscopy (SEM/TEM)



***11:00 -11:30 Coffee break**

13:00 - 13:30 Closing Remarks

13:30 - 15:00 Lunch

Registration form in the following [link](#)

Registrations will be closed on November 11, 2011