



THEME [NMP.2012.1.4-3]

[Nanoscale mechanical metrology for industrial processes and products]

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NECSO WORKSHOP

SOLAR SELECTIVE COATINGS: DEVELOPMENT, CHARACTERIZATION AND AGEING

11th of February, 2016; 9:30-17:00

Program:

Sol-gel based selective coatings: from coil absorber coating to high power coating

- Boris Orel, National Institute of Chemistry, Slovenia

Oxidation of metal compounds in solar absorber coatings

- Pierre Ponthiaux, Ecole Centrale Paris, France

The search for degradation indicators for life-time assessment of spectrally selective coatings

- Angela Surca, National Institute of Chemistry, Slovenia

Ageing of selective absorber coatings: lessons learned from Necso project

- Javier Barriga, IK4-TEKNIKER, Spain

Mechanical properties of solar coatings as obtained by nanoindentation and scratch testing

- Jiri Nohava, ANTON PAAR, Switzerland

Degradation of receiver tubes optical performance after four years of operation

- Guillermo Espinosa Rueda, Abengoa Solar, Spain

Accelerated aging tests on ENEA-ASE solar coating

- Augusto Maccari, Archimede Solar Energy, Italy

Durability testing of parabolic trough receivers: overheating, cycling and AR-coating abrasion

- Florian Sutter, DLR, Germany

Venue: IK4-TEKNIKER, Eibar, Spain

Travel: Bilbao (BIO) is the nearest airport (30 min)

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