

The Barcelona Knowledge Campus (BKC) and the Institute of Theoretical and Computational Chemistry of the University of Barcelona (IQTC-UB) welcome you to the

Ceria Symposium

which will take place on **October 7th**, 2013, at **room nº 400 (Sala d'actes)** of the "**Departament de Química Física**" in the Chemistry Faculty of the University of Barcelona.

Invited Speakers:

Jose A. Rodriguez – Brookhaven National Laboratory, USA

Jordi Llorca – Universitat Politècnica de Catalunya

Javier Fernández Sanz – Universidad de Sevilla

Program:

	Speaker	Title
9:15 – 9:30	Francesc Illas	Welcome
9:30 – 10:00	Jordi Llorca	Polycrystalline and nanoshaped ceria decorated with noble metal nanoparticles for the production of hydrogen by steam reforming reactions.
10:00 – 10:00	Sergey Kozlov	Steps on CeO ₂ (111): Characterization and O vacancy formation.
10:30 – 11:00	Javier Fdz. Sanz	Charge distribution in metal-oxide / ceria interfaces.
11:00 – 11:30	–	Coffee Break
11:30 – 12:00	Jose Rodríguez	Inverse CeO _x /Au(111) and Au/CeO _x /TiO ₂ (110) Catalysts: Activation of Ceria and the Water-Gas Shift Reaction
12:00 – 12:30	Albert Bruix	Strong Metal-Support interactions in Pt/CeO ₂ heterogeneous catalysts.
12:30 – 13:00	Annapaola Migani	Density functional modelling of oxygen defect formation in CeO ₂ nanoparticles and thier aggregates in one- and two-dimensional arrays.