Monday 1st July

08:45-09:10	Registration
09:10-09:15	Welcome
Session 1	**Advanced microstructural characterization of materials**
09:15-09:55	**Inv. S(TEM), a key tool for the design of novel ceria-zirconia materials with unconventional redox properties** **J. Calvino**
09:55-10:00	questions
10:00-10:15	*Main contributions of TEM techniques to determine the nanoscale and chemical composition of the complex catalytic and magnetic systems: Co-B and Co-Ru-B* T.C. Rojas
10:15-10:20	questions
10:20-11:00	**Inv. Recent advances in electron tomography** **Z. Saghi**
11:00-11:05	questions
11:05-11:40	coffee break + poster session
11:40-11:55	*Advanced characterization of hybrid core@shell nanowires* M. Macias-Montero
11:55-12:00	questions
12:00-12:15	*Characterization of core@shell nanoparticles using advanced electron microscopy* B.R. Knappett
12:15-12:20	questions
12:20-13:00	**Inv. High-resolution quantitative characterization of nanoparticles** **S. Lozano**
13:00-13:05	questions
13:05-15:00	lunch
15:00-15:40	**Inv. Get more out of EELS spectra: noise reduction, original background-removal functions and component analysis** **M. Duchamp**
15:40-15:45	questions
15:45-16:00	*Study of deposition parameters on the microstructure of magnetron sputtered amorphous silicon coatings with closed porosity* J. Caballero-Hernandez
16:00-16:05	questions
16:05-17:30	coffee break + poster session

Tuesday 2nd July

Session 2	Nanomaterials for sustainable energy and protection of the environment
09:15-09:55	**Inv. New approaches in heterogeneous photocatalysis for improved environmental applications** **G. Colón**
09:55-10:00	questions
10:00-10:15	*Investigation of the catalyzed hydrolysis of ammonia borane in a continuous flow reactor for the hydrogen production at medium scale* M. Paladini
10:15-10:20	questions
10:20-10:35	*Chlorination of Toluene over Ionic Liquid grafted in Carbon Nanofiber* A. Martinez
10:35-10:40	questions
10:40-11:00	coffee break + poster session
11:00-11:40	**Inv. Plasmonics for beaming led emission** **G. Lozano**
11:40-11:45	questions
11:45-12:00	*Resonant photocurrent generation in dye-sensitized periodically nanostructured photoconductors by optical field confinement effects* M. Anaya
12:00-12:05	questions
12:05-12:20	*Periodical structures to improve light harvesting in dye solar cell* C. Lopez-Lopez
12:20-12:25	questions
12:25-12:40	*Tailored luminescent emission of dyes embedded in porous resonators* A. Jimenez
12:40-12:45	questions
12:45-13:00	*Optofluidic Sensors based on nanoporous Bragg microcavities prepared by GLAD* M. Oliva-Ramirez
13:00-13:05	questions
13:05	Closure ceremony and farewell cocktail