



Instituto de
Nanosistemas
INS_UNSAM



Ministero degli Affari Esteri
e della Cooperazione Internazionale

Nanomaterials for energy transition: from basic research to industrial applications

Satellite Workshop to X Sol Gel School 2022

Thursday October 27th, 2022

14:00 - 14.20 Opening (F. Barba Italian Embassy)

14:20 - 14:40 H. Corti (CNEA-UBA)

14:40 - 15:00 P. Longinotti (UBA)

15:00 - 15:30 A. Pettinau (Sotacarbo)

15:30-16:00 Break

16:00 - 16:20 P. Vensaus (UNSAM)

16:20 - 16:40 F. Herrera (CNEA)

16:40 - 17:00 F. Viva (CNEA)

17:00 - 17:20 M. D. Perez (CNEA)

17:20 - 18:00 concluding remarks. Discussion. Chairmen: L. Malfatti (UNISS) and G. Soler-Illia (UNSAM)

Oral presentations:

Horacio Corti (CNEA): *Ionic transport properties in nanostructures related to advanced lithium batteries*

Paula Longinotti (UBA): *Electrode materials for lithium-air batteries and H₂ production: synthesis and physicochemical studies*

Alberto Pettinau (Sotacarbo): *Power to sustainable fuels: from lab to commercial application*

Priscila Vensaus (INS): *Mesoporous TiO₂-based nanocomposites for photoelectrochemical water splitting*

Facundo Herrera (CNEA): *C-dots sensitized mesoporous titania photoelectrodes for OER*

Federico Viva (CNEA): *The new transmutation of the old Alchemist. Fuel and commodities from CO₂*

M Dolores Pérez (CNEA): *Hybrid perovskite materials for solar cells: the good, the bad and the ugly.*