



Solar-driven Ca-Looping Process for Thermochemical Energy Storage

A clean energy storage system

9:30 Registration

10:00 **Carla I. C. Pinheiro** and **José Nuno C. Lopes** |
CQE, IMS, IST/ULisboa, Portugal
Opening Session and SoCaLTES project presentation

10:30 **Ana Ferreira** | CQE, IMS, IST/ULisboa, Portugal
Screening of calcium-based materials for the Ca-Looping process under thermochemical energy storage conditions

11:00 Coffee Break

11:30 **Diogo Rodrigues** | LSRE-LCM, ALICE, FEUP, UPorto, Portugal
Ca-Looping process in concentrating solar power plants: from the calciner to energy integration

12:00 **Ricardo Dias** | CQE, IMS, IST/ULisboa, Portugal
Sustainability analysis of a Ca-Looping plant for thermochemical energy storage

12:30 **Carlos Ortiz** | Universidad Loyola Andalucía, Sevilla, Spain
Addressing Scale-Up Challenges in the CaL Process as a Thermochemical Energy Storage System

13:00 Lunch Break

14:30 **Paula Teixeira** | CQE, IMS, IST/ULisboa, Portugal
Calcination of natural limestone and marble wastes in a directly irradiated solar fluidized bed reactor

15:00 **Gilles Flamant** | PROMES-CRNS, Font-Romeu Odeillo, France
Particle heating and processing by concentrating solar energy

15:30 **João Cardoso** | LNEG, Portugal
Harnessing the Sun with Concentrating Solar Power Technologies

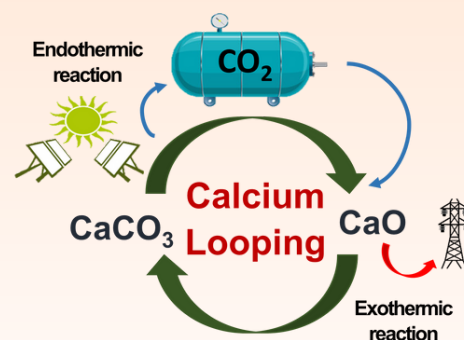
16:00 Coffee Break

16:30 **João Cardoso** | LNEG **Manuel Collares-Pereira** | Vanguard Prop.
Marco Ferraz | GALP **Pedro Oliveira** | EDP
Moderator: Henrique Matos | CERENA, IST/ULisboa, Portugal
Round Table: Solar Energy in the Industry: Future Perspectives/Prospects

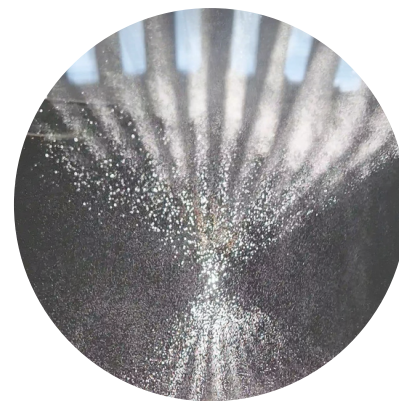
17:30 Closing session:
Carla I. C. Pinheiro | CQE, IMS, IST/ULisboa, Portugal

SEMINAR
29 SEPT 2023

IST - Congress Center
Room 02.1*



Registration here
Free but required



Project Coordinator:
Carla I.C. Pinheiro

More information at the project website.

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*A link will be sent to virtual attending participants



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