





## **Workshop on Limestone Calcined Clay Cements**

20<sup>th</sup> September 2022, 9:30 to 17:00

Venue: Eduardo Torroja Institute for Construction Science (IETcc-CSIC)

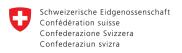
Free registration

All participants need to register to the workshop at the following link:

https://saco.csic.es/index.php/apps/forms/jy3XEoWeYcjnidGb

Contact person: Marta Palacios (marta.palacios@ietcc.csic.es)



















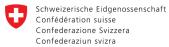


**Objective**: Leading experts in the field will discuss the latest scientific and technological progress on limestone calcined clay cements (LC³). The workshop will address topics such as clay calcination technology, cement hydration, rheology, durability and sustainability of LC³ systems. This workshop will enable an exchange of knowledge and practical experience between academics and industry professionals interested in working on this important topic.

## **Speakers**:

- Prof. Karen Scrivener (EPFL, Switzerland)
- Dr. Miguel Angel Sanjuán (IECA, Spain)
- Prof. Fernando Martirena (UCLV, Cuba)
- Prof. Shashank Bishnoi (Indian Institute of Technology Delhi, India)
- Prof. Angeles G. De la Torre (Malaga University, Spain)
- Alberto Putin (IPIAC, Spain)
- Javier Gil (Grupo Sofonias, Switzerland)
- Dr. Marta Palacios (IETcc-CSIC, Spain)





















9:30	Welcome (Dr. Marta Palacios, IETcc-CSIC, Spain)
9:40	The new Portland-composite cement CEM II/C-M and Composite cement CEM VI to contribute to help Europe mitigate the effects of climate change by reducing carbon dioxide emissions (Dr. Miguel Ángel Sanjuán, IECA, Spain)
10:10	Overview on LC <sup>3</sup> cements (Prof. Karen Scrivener, EPFL, Switzerland)
10:50	Clays characterization and calcination process (Prof. Fernando Martirena, UCLV, Cuba)
11:20	Real industrial field applications in different regions (Alberto Putin, IPIAC, Spain)
11:50	Coffee break
12:20	Environmental benefits of LC <sup>3</sup> (Javier Gil, Grupo Sofonias, Switzerland)
12:50	In-situ early age hydration characterization of LC <sup>3</sup> binders (Prof. Ángeles G. De la Torre, University of Malaga, Spain)
13:20	Lunch
14:45	Rheological properties of LC <sup>3</sup> systems (Dr. Marta Palacios, IETcc-CSIC, Spain)
15:15	Durability and field experience with LC <sup>3</sup> concrete (Prof. Shashank Bishnoi, Indian Institute of Technology Delhi, India)
16:00	Open discussion
17:00	End