

# 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 (LC<sup>3</sup>). The workshop will address topics such as clay calcination technology, cement hydration, rheology, durability and sustainability of LC<sup>3</sup> 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)
- Dr. Franco Zunino (EPFL, 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)
- 10:40 **Clays characterization and calcination process** (Prof. Fernando Martirena, UCLV, Cuba)
- 11:10 Coffee break
- 11:40 **In-situ early age hydration characterization of LC<sup>3</sup> binders** (Prof. Ángeles G. De la Torre, University of Malaga, Spain)
- 12:10 **Microstructural development of limestone calcined clay cements (LC<sup>3</sup>) after long-term hydration** (Dr. Franco Zunino, EPFL)
- 12:40 **Impact of superplasticizers on the rheological properties of LC<sup>3</sup> systems** (Dr. Marta Palacios, IETcc-CSIC, Spain)
- 13:10 Lunch
- 14:30 **Durability of LC<sup>3</sup> cements** (Prof. Shashank Bishnoi, Indian Institute of Technology Delhi, India)
- 15:00 **Financial and environmental aspects** (Prof. Karen Scrivener, EPFL, Switzerland)
- 15:30 **Field applications in different regions** (Prof. Fernando Martirena and Prof. Shashank Bishnoi)
- 16:00 **Open discussion**
- 16:40 **End**