

#### In cooperation with: BME Faculty of Civil Engineering Department of Construction Materials and Technologies



BUDAPESTI MŰSZAKI ÉS GAZDASÁGTUDOMÁNYI EGYETEM Építőmérnöki Kar - építőmérnöki képzés 1782 óta

Építőanyagok és Magasépítés Tanszék

PLACE - Az ülés helye:

DATE - Az ülés kezdete:

BME Building K, 1st Floor Room 87 (K187) 1111 Budapest, Műegyetem rkp. 3. 9 (Thursday) Jan. 2025, from 15.00 – 16.00

# <u>INVITATION</u> - <u>MEGHÍVÓ</u>

We kindly invite you for the preseantation of:

## Carla Costa:

### "Hydraulic Binders Driving Forward Sustainable Development and the Circular Economy and Discussion"

The presentation can be followed online using the following TEAMS link: <u>https://tinyurl.com/32z9f4d5</u>

#### Short summary of presentation:

The lecture will be devoted to exploring the critical role of Hydraulic Binders in advancing the Circular Economy and addressing environmental challenges, acknowledging that progress in material circularity remains modest. It will emphasize the necessity of a paradigm shift regarding traditional research practices, focusing on systematic statistical design approaches to develop mathematical models. These models unravel complex interactions between binder constituents and material properties, enabling the optimization of compositions tailored to performance requirements or market needs. By improving product quality, enhancing production efficiency, and reducing waste stockpiles, this research-driven approach increases the competitiveness of the construction sector while supporting EU in meeting its environmental commitments.



Budapest, 5 Jan. 2025

Prof. Balázs L. György, President of **fib**-Hungary Assoc. Prof. Salem G. Nehme, Head of Department, Dept. of Construction Mats and Technologies

Budapest University of Technologies and Economics