

Corso di Dottorato di Ricerca in Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni

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Dott. Albina Sciotti

Pegaso Telematic University (I)

Construction Engineer, Ph.D.

RTT Researcher (SSD ICAR/10) at the
Department of Engineering, Faculty
of Engineering and Informatics,
Pegaso Telematic University.

Martedì 15 Aprile 2025

10:30 - 12:30 Module 1

14:30 - 16:30 Module 2

Recycling of processing waste materials. Experiences of research and experimentation

The lesson intends to illustrate the methods for the design, verification and validation of innovative building materials that are also produced by using waste materials from manufacturing processes. To this end, the general methodological approach and two real application cases will be illustrated, one deriving from a PhD thesis and the other from a research project. The case studies respectively concern the recycling of stone processing by-products for the production of innovative building materials, such as plaster mortars, concrete and ashlar, and the production of mortars and concrete with a higher insulating power through the use of recycled EPS.