18 July 2024 · 10h00-12h00

FEUP · Building B · 1st floor · Room B035

U.PORTO | FACULDADE DE ENGENHARIA UNIVERSIDADE DO PORTO | DEPARTAMENTO DE ENGENHARIA CIVIL

Instituto para a Construção Sustentável

Co-Organização



Prof. Calogero Montalbano

Politecnico di Bari (Italy)

From traditional finite element architecture to interconnected modular fabrication. The path to sustainable building for the new millennium

Calogero Montalbano (PhD in Architectural Design) since 2008 is an aggregate professor and since 2018 Associate professor in Architectural and Urban Design at the Polytechnic of Bari. Since 1998, he has been researching and designing in architecture and urban fabric.

He is a member of the UNESCO/ ICOMOS international non-governmental organization dedicated to the preservation of the world's monuments and sites. He is a member of the scientific committees of several international journals focused on architecture and urban sustainability, as well as a responsible member of several research groups focused on strategic urban design (among which the "strategic plan of the city of Taranto"-Taranto Next Future).

His fields of interest are:

- typological studies on urban morphology and traditional architecture;

- applied research on urban and territorial integration and development processes

- architectural and urban design for the socio-economic development of "fragile territories"

- design for the enhancement and protection of the architectural, urban and landscape heritage of Mediterranean sites

- design aimed at the integration and regeneration of degraded urban areas and the activation of sustainable development processes of urban territories through the sustainable use of local resources

- updating of traditional construction techniques in the Mediterranean climatic area.

He is inventor of two international patents related to the area of intelligent building construction and innovative sustainable design and connected to the use of recyclable materials and production techniques related to Industry 4.0. Since 2021 he is founding member and CEO of the academic spin-off company of the Polytechnic University of Bari, BLOKKO srl, which deals with patent engineering related to the development of innovative construction processes with high technical and technological content, micro-standardisation and the development of dry construction techniques.



Prof. Carla Chiarantoni

Politecnico di Bari (Italy)

Domestic space: new housing needs, overcrowding and energy poverty in contemporary living

Carla Chiarantoni (PhD in Building Engineer) since 2011 she is aggregate professor of Architectural Engineering in the Department of Civil, Environmental, Land, Building Engineering and Chemistry (DICATECh) of Polytechnic University of Bari (Italy). Since 2002 she has been researching and designing in the field of building re-generations with particular reference to the housing transformations of social housing related to public housing, the definition of a new housing models and dimensional standards for emerging social categories.

Her Filds of interest are:

- typology studies for the definition of contemporary living space in dwellings;

- applied research into construction and the processes of developing new housing models;

- Architectural design for the development of social housing.

- updating of traditional construction methods for housing flexibility

- demographical and energy evolution in energy poverty

She is inventor of two international patents related to the area of intelligent building construction and innovative sustainable design and connected to the use of recyclable materials and production techniques related to Industry 4.0.

Since 2021 she is founding member of the academic spin-off company of the Polytechnic University of Bari, BLOKKO srl, which deals with patent engineering related to the development of innovative construction processes with high technical and technological content, micro-standardisation and the development of dry construction techniques.