



EESAP13

INTERNATIONAL CONFERENCE 2022
— 5-6 OCTOBER —
DONOSTIA - SAN SEBASTIÁN

Donostiako Arkitektura Goi Eskola Teknikoa
Escuela Superior de Arquitectura de San Sebastián
Architecture School of San Sebastián

**Arkitekturako eta Hirigintzako Energia Era-
ginkortasunari eta Jasangarritasunari buruzko
Nazioarteko Kongresua**

Congreso Internacional sobre Eficiencia Energética y
Sostenibilidad en Arquitectura y Urbanismo

International Congress on Energy Efficiency and
Sustainability in Architecture and Urbanism

UPV/EHU

caviar
calidad de vida en arquitectura
quality of life in architecture

UNIBERTSITATEA

Universidad
del País Vasco Euskal Herriko
Unibertsitatea

First day schedule - Wednesday, October 5th, 2022

----- 9:00 Introduction -----	
9:30	Belinda López Mesa <i>What is this thing calle decarbonisation and digitalisation of buildings?</i>
10:00	Victor Echarri Iribarren <i>Ceramic panels with capillary tube systems in buildings: Energy savings and investment</i>
10:30	Madelyn Marrero <i>Control Ambiental a través de los presupuestos. Aplicación a la construcción de naves</i>
----- 11:00 Coffee -----	
PRESENTATION	11:30 Francisco Javier Díez Trinidad <i>Resilient energy performance prediction system</i>
	11:50 Markel Rueda Esteban <i>Environmental and economic life cycle evaluation of residential buildings refurbishments by the calibration with monitored data</i>
	12:10 Madelyn Marrero Meléndez <i>Projecting sustainable design with PREDICE: Economic and environmental budgeting tool for Buildings Life Cycle</i>
	12:30 María Jesús González Díaz <i>Applying sustainability to existing architectural heritage. A practical example: adaptive reuse in a 1960s building in Valladolid (Spain)</i>
	12:50 Arrate Hernández Arizaga <i>Reference state temperature influence in the thermoeconomic costs of a building thermal facility</i>
	13:10 Marta Gómez Gil <i>European Digital Building Logbook: definition of its functionalities to maximize its potential</i>
	----- 13:30 Lunch -----
POSTER SESSION	14:30 Camila Andrea Ludueña <i>Monitoring and simulation of thermal confort and air quality in social dwellings built in Bogotá-Colombia</i>
	Mª Isabel Romero Gómez <i>Sustainable solution as alternative to polypropylene reinforcement fibres used y gypsum composites</i>
	Filomena Pérez Gálvez <i>Sustainable energy rehabilitation model in rural areas of Andalusia as tool to alleviate depopulation</i>
	15:00 EIBHO <i>Ejes de actuación para conseguir un parque edificatorio eficiente y sostenible</i>
WORKSHOP	15:20 WORKSHOP 1 - <i>Strategies for decarbonization of the building stock towards European Union objectives</i>
	<i>Indicators presentation and activity of relevance</i>
----- 16:20 Coffee -----	
WORKSHOP	16:40 WORKSHOP 2 <i>The importance of monitoring and life-cycle perspective in social housing retrofiting</i>
	<i>Introduction to "Zero Plana" of Alokabide and Steckhome: monitoring relevance</i> <i>Presentation on the value of calibration, perspective life cycle analysis and activity of relevance.</i>
----- 18:00 Session end -----	

9:00 Introduction

Daniele La Rosa 9:30

The effects of urban green infrastructure in dense urban contexts: performance simulations for urban planning

Elma Durmisevic 10:00

Circular reversible buildings - Performance measurement and design tools

Pablo Martí Ciriquián 10:30

La aportación del BIG data a las estrategias de desarrollo urbano sostenible

11:00 Coffe

PRESENTATION

Ekhiñe Eguiguren Azcune 11:30

Towards sustainable urban regeneration of industrial areas in the Basque Country: Case studies in Donostia - San Sebastián and Pasajes.

Daniel Torrego Gómez 11:50

Rethinking Summer Energy Poverty from the south: debates and frontiers of an overlooked issue

Marta Gayoso Heredia 12:10

Summer energy poverty in southern Europe: a public policy perspective

Maddi Garmendia Antin 12:30

Progress towards sustainable stormwater management: Field monitoring of permeable pavement

Carlos Beltrán-Velamazán 12:50

Estimation of the solar potential of cities' roofs and façades from 3D city models and from bi-dimensional GIS models in Spain

Milagros Álvarez Sanz 13:10

Development of Simple Model for the Estimation of the Heating Demand at District Level

13:30 Lunch

PRESENTATION

Markel Rueda Esteban 14:30

Monitoring and energy management strategy during the energy refurbishment plan of the social rental housing stock of the Basque Country

Francisco Valbuena García 14:50

Improving the urban environment through a zero energy university building: the R&D + i in Soria campus

Zhineng He 15:10

Simulation-based parametric analysis of control key-factors in building thermoelectric system

Darya Tretyakova 15:30

Digital twin as a tool to travel from A-class to NZEB

15:50 Break

PRESENTATION

Jairo Posada Gómez 16:05

Calibration of energy simulations using real conditions of air quality, temperature and humidity, methodological proposal

Miriam Martínez Trinidad 16:25

The IA Zero methodology: A roadmap to sustainable refurbishment of buildings through energy simulation

Irati Proi Godoy 16:45

Thermoeconomic analysis of a thermal system supplied with Heat Pump and auxiliary boiler for DHW and heating

Chris Merveille 17:05

SmartLivingEPC, Advanced Energy Performance Assessment at Building and District Level

17:25 Session end

The registration on the conference is done through the Summer Courses of the University of the Basque Country (UPV/EHU).

THE REGISTRATION FEES:

REGISTRATION	UNTIL 03.10.22
General	150€
Students	30€

THE REGISTRATION FEE INCLUDES:

- Global access to EESAP 13 conference; all sessions and coffee breaks.
- Conference material.
- The publication of the conference including all communications and posters in PDF format.

REGISTRATION PROCEDURE

The registration on the conference will be done through a platform that will be provided soon.

The management of the registration on the conference is done by the Summer Courses of the University of the Basque Country (UPV/EHU).

The registration procedure could be done via:

- ON-LINE: <https://admin.uik.eus/matriculation/en>
- IN PERSON: In the official offices of the Summer Courses: Miramar Palace in Donostia-San Sebastian or Bizkaia Aretoa in Bilbao.