

## MIÉRCOLES 13

9:30-14:15	Registro/Recepción de documentación Lugar: Vestíbulo de entrada de la ETSEM (P0)					
10:15-11:00	<b>OPENING SESSION</b> <b>Carlos Morón Fernández</b> Director de Departamento de Tecnología de Edificación <b>Enrique Gómez de la Peña</b> Responsable de prescripción zona centro Grupo Saint-Gobain / Profesor asociado UAH Lugar: Sala de Juntas (P-1)					
11:00-12:00	<b>COFFEE BREAK + POSTER SESSION</b> Lugar: Vestíbulo de entrada de la ETSEM (P0)					
	<b>Lugar: P2.P4</b> Moderador: M <sup>a</sup> Amparo Verdú Vazquez			<b>Lugar: Salón de Grados (P-1)</b> Moderador: Paulo Santos		
	Nº	Ponencia	Autores	Nº	Ponencia	Autores
12:00-12:15	88797	TOWARDS THE ECO-UNIVERSITY OF THE FUTURE: LEED AND BREEAM ANALYSIS OF THE ETSEM BUILDING	Sergio David Alejo Buenabad, Carmen Matilde Viñas Arrebola, Antonio Rodríguez Sánchez	89070	ARTIFICIAL INTELLIGENCE ALGORITHMS IN OPTIMIZING BUILDING ENERGY CONSUMPTION	Hamidreza Babaeyan Ahmadi, Jorge Gallego Sánchez-Torija
12:15-12:30	88472	ASSESSMENT OF THE SUSTAINABILITY OF URBAN ENVIRONMENTS WITH A FOCUS ON SUSTAINABLE URBAN GROWTH	Mohammadreza Rezaei	88688	FACE-TO-FACE COLLABORATIVE SESSIONS AT CONSTRUCTION WORKSITE FOR DEVELOPMENT OF HUMAN-CENTERED TECHNOLOGIES	Catalina Mondragon Enguidanos
12:30-12:45	88779	WEB SURVEY ON THE USAGE OF CIRCULAR ECONOMY TOOLS	Israel Herrera, Beatriz Porcar, María Nuria Sánchez, Silvia Soutullo, Emanuela Giancola, José Antonio Ferrer, Helena López, Rafael Mayo, Oscar Seco	88694	EFFECT OF CELLULOSE FIBER AMOUNT ON THE PHYSICAL PROPERTIES OF HARDENED CEMENT PASTE	Vilma Vaicekauskiene, Dzigita Nagrockiene
12:45-13:00	88090	ASSESSING ENERGY DEMAND IN VULNERABLE URBAN BLOCKS OF MADRID: IMPACTS OF CLIMATE CHANGE AND URBAN HEAT ISLAND	Shoaib Amin, Rohinton Emmanuel, Silvia Soutullo, Luis F. Zarzalejo, Emanuela Giancola	90179	DIGITAL TWIN IN THE WINDOW MANUFACTURING PROCESS	Jorge Pablo Díaz Velilla, Daniel Ferrández Vega, Alicia Zaragoza Benzal, Alberto Leal Matilla
13:00-13:15	88575	EVALUATING THE IMPACT OF INPUT VARIABLES ON THE ESTIMATION OF THERMAL LOADS IN OFFICE SPACES USING VALIDATED MODELS	Silvia Soutullo, Emanuela Giancola, María Nuria Sánchez, Beatriz Porcar, María José Jiménez Taboada	89259	EVALUATING THE THERMAL PERFORMANCE AND ENERGY EFFICIENCY OF A TROMBE WALL IN A LIGHTWEIGHT STEEL FRAME ENCLOSURE: EXPERIMENTAL AND NUMERICAL ANALYSIS	Paulo Santos, Víctor Lohmann
13:15-13:30	89060	APPLICATION OF MICROALGAE PHOTOBIOREACTORS IN BUILDING FACED FOR ENERGY EFFICIENCY	hamidreza babaeyan ahmadi, Jorge Gallego Sánchez-Torija	88755	LONG-TERM EXPERIMENTAL CLIMATE DATA FOR THE ENERGY AND THERMAL COMFORT EVALUATION IN BUILT	Helena López

13:30-13:45	88677	COMPARISON OF THE GMPM BSSA 14 COMPLIANCE FOR THE SPANISH REGION WITH THE SEISMIC DESIGN STANDARDS	Carlos Alejandro González Jiménez, Fransisco Martínez	89484	ASSESSING THE FRACTURE PERFORMANCE OF FIBER-REINFORCED CONCRETE SUBJECTED TO ELEVATED TEMPERATURE ENVIRONMENTS	Pablo Mazón, Álvaro Picazo, Jaime C. Gálvez, Alejandro Enfedaque, Marcos García Alberti
13:45-14:00	87430	ECONOMIC MANAGEMENT IN INTEGRATED PROJECT DELIVERY: THE PROJECT MANAGER'S PERSPECTIVE	José Javier Gil Sebastián	88716	PRELIMINARY ANALYSIS OF DWELLINGS TO BE REFURBISHED WITH PUBLIC FUNDS IN MADRID	Silvana Mallor Hoya
14:00-15:00	LUNCH TIME					
	<b>Lugar: P2.P4</b> Moderador: M <sup>a</sup> Alejandra Vidales Barriguete			<b>Lugar: Salón de Grados (P-1)</b> Moderador: Alberto Leal Matilla		
	Nº	Ponencia	Autores	Nº	Ponencia	Autores
15:00-15:15	90451	Evaluate the Entire City's Environmental Sustainability, with A Focus on Sustainable Development Town	Mohammadreza Rezaei	88813	IMPLEMENTATION OF TOOLS FOR IMPROVEMENT AND OPTIMIZATION OF WORK PROCESSES WITH CAD SOFTWARE AND SPREADSHEETS FOR THE SUBJECT TECHNOLOGY PROJECTS WORKSHOP	Pedro Isidoro Hernández González
15:15-15:30	89064	AUTOMATIC VENTILATION AND COOLING OF THE BUILDING USING THE COMBINATION OF WIND DEFLECTOR	Hamidreza Babaeyan Ahmadi, Jorge Gallego Sánchez-Torija	88721	EVOLUTION OF THE SPANISH ELECTRICITY PRODUCTION STRUCTURE: 2009 - 2024	Alejandro Payán de Tejada Alonso, Juan López-Asiain Martínez, José Fernández Castillo, Alexander Martín Garín
15:30-15:45	89086	PHYSICO-MECHANICAL BEHAVIOUR OF RECYCLED MORTARS WHIT POST-CONSUMER POLYETHYLENE TEREPHTHALATE(PET) FIBERS	Enrique Ruano Gutiérrez	88670	PRE AND POST COVID HOUSING PRICES IN MADRID	Raúl Tomás Mora García, María-Francisca Céspedes-López, Raúl Pérez-Sánchez, Juan-Carlos Pérez-Sánchez
15:45-16:00	88640	THE BARRACK: PARADIGM OF A MINIMAL HOUSE, SELF-BUILT INTEGRATED INTO THE ORCHARD OF MURCIA	Pedro Pina Ruiz, Tomas Gil-López	88417	RMCC RESILIENCE IN COOPERATION CONTEXTS FROM A MULTIDISCIPLINARY PERSPECTIVE	María del Mar Barbero Barrera, Juan Canet Rosselló, Rafael Córdoba Hernández, Gregorio García López de la Osa, Inmaculada Martínez Pérez, Daniel Morcillo Álvarez, Luis Perea Moreno, Ricardo Tendero Caballero
16:00-16:15	89867	THE THERMAL BEHAVIOUR OF GREEN ROOFS INCORPORATED IN THE REHABILITATED BUILDINGS OF THE LIFE-MYBUILDINGISGREEN PROJECT	Arturo Martínez García, Borja Frutos Vázquez, Carmen Alonso Ruiz de Rivas, Fernando Martín-Consuegra Ávila, Miguel Ángel Vega Ruiz, Jesús Muñoz, Miguel Ángel Antón Gamero, Marta Andreia da Silva Pinto	88764	STUDY OF OPERATIONAL CASES WITH MECHANICAL VENTILATION TO ENSURE INDOOR AIR QUALITY IN WORKPLACES THAT PROVIDE A HEALTHY ENVIRONMENT	María José Núñez Márquez

16:15-16:30	90823	ENERGY REHABILITATION OF THE SAN CRISTÓBAL MARKET	Celia Calado Bonnin	88611	ANALYSING THERMAL COMFORT IN RESIDENTIAL BUILDINGS WITH THIN REINFORCED CONCRETE WALLS AND ITS RELATIONSHIP WITH URBAN LAYOUT IN THE DOMINICAN REPUBLIC	Leticia Lituania Jiménez-Jiménez, José Antonio Millán-García, Jorge Otaegi, Iñigo Rodríguez-Vidal, Alexander Martín Garín
16:30-16:45	88796	PERCEPTION OF YOUNG PEOPLE ON THE ENVIRONMENT BUILT WITH CLIMATE HOSTILE ARCHITECTURE: A PHOTOVOICE STUDY	Miguel Ángel Navas Martín	88715	COMPARISON OF THE EFFICIENCY OF DIFFERENT STRUCTURAL SYSTEMS FOR HIGH-RISE BUILDINGS UNDER LOAD HORIZONTAL	Angelo Ernesto Estivariz Olmos
16:45-17:00	88700	CASE STUDY ON THE USE OF LIGHTWEIGHT PRECAST CONCRETE WITH RECYCLED POLYURETHANE	Álvaro Urbaneja Miguel, Raquel Arroyo, Sara Serna, Álvaro Alonso, Verónica Calderón			

## JUEVES 14

<b>Lugar: P2.P4</b>			
Moderador: Manuel Álvarez Dorado			
	Nº	Ponencia	Autores
9:30-9:45	88576	PARADIGM SHIFT IN THE CONSTRUCTION SECTOR: EVOLUTION OF THE SECTOR TOWARDS INDUSTRIALISATION AND CIRCULAR	Ruperto Santiago Hernández González, María del Mar Barbero Barrera
9:45-10:00	88603	CEMENTITIOUS COMPOSITES IMPROVED WITH GRAPHENE OXIDE	Martín Carabias Carabias, Alba Rodrigo-Bravo, Raquel Arroyo, Sara Gutiérrez González
10:00-10:15	88730	CERAMIC STRUCTURAL SHAPES: TIMBREL AND GAUSSIAN VAULTS. PONT DE SUERT CHURCH VERSUS ATLANTIDA CHURCH	Ana María Marín Palma, Mónica Morales Segura, Maria del Mar Alonso López
10:15-10:30	89913	A REVIEW OF THE METHODS TO STRENGTHEN OR REINFORCE ADOBE-MASONRY SINGLE-STORY HOUSES	Juan Carlos Mosquera Feijoo, Sandro Andrés Martínez, Francisco Javier Fernández Fidalgo, Guillermo Giacomi
10:30-10:45	88791	DESIGN OF A MORTAR INCLUDING WASTE MATERIALS FOR INTERVENTION IN PUBLIC SPACES IN EXOMARINE AREAS IN COASTAL TOURIST TERRITORIES	Juan Diego López Arquillo, Cristiana Oliveira, José Serrano González
10:45-11:00	88487	ANALYSIS OF THE PROBLEM OF FIRE IN BUILDINGS WITH PATRIMONIAL VALUE DURING THE 21ST CENTURY IN VALPARAÍSO, CHILE	M <sup>a</sup> Paz Sáez-Pérez, Danica Javiera Mazuela Oyarzo
11:00-11:15	88551	ANALYSIS OF TRAFFIC DATA FOR PREDICTING CO <sub>2</sub> CONCENTRATIONS IN CONCRETE CARBONATION STUDIES WITHIN THE URBAN TUNNELS OF MADRID CALLE 30	Lucía López-de Abajo, Marcos García Alberti, Jaime C. Gálvez
11:15-11:30	88724	COMPREHENSIVE ANALYSIS OF THE THERMAL NEEDS IN FOUR VULNERABLE DWELLINGS IN MADRID	Darío Montes Santamaría, Carmen Alonso Ruiz de Rivas, Fernando Martín-Consuegra Ávila, Daniel Jiménez González, Rafael Villar Burke, Marta Sorribes Gil, Jessica Rabanal Mallo
<b>11:30-12:00</b>	<b>COFFEE BREAK + POSTER SESSION</b>		
	<b>Sala: Hall de entrada (P0)</b>		
	<b>Lugar: Sala Trimble (P0)</b>		
	Moderador: Manuel Álvarez Dorado		
12:00-14:00	<b>SEMINARIO TRIMBLE</b>		

14:00-15:00	LUNCH TIME		
	<b>Lugar: P2.P4</b> Moderador: Alicia Zaragoza Benzal		<b>Lugar: S1.A2</b> Moderador: Daniel Ferrández Vega
	Nº	Ponencia	Autores
15:00-15:15	88693	PROJECT FOR THE REHABILITATION OF AN OLD ABBEY FOR RESIDENTIAL USE IN SALAS DE BUREBA (BURGOS)	Paula Montoya Saiz, Raúl Briones-Llorente, Juan María Hidalgo-Betanzos, Imanol Ruiz de Vergara Ruiz de Azúa, Gabriel Rubio-Pérez, Natalia Muñoz-Rujas, Fernando Aguilar Romero
15:15-15:30	88644	Revitalizing the Canal de Castilla through Urban Planning and Engineering Strategies	Ángel Mariano Rodríguez-Pérez, Lucía Olmo Rodríguez, Julio José Caparros Mancera, César Rodríguez González
15:30-15:45	88709	STUDY OF THE MECHANICAL BEHAVIOR OF HYDRAULIC LIME MORTARS WITH THE ADDITION OF RECYCLED CARBON FIBERS	María Belén Cabrera Espinoza, María Isabel Prieto Barrio, Alfonso Cobo Escamilla, Fernando Israel Olmedo Zazo, Alberto Leal Matilla
15:45-16:00	88808	DESIGN, ANALYSIS AND PROPOSAL FOR SUSTAINABLE ACOUSTIC PANELS BASED ON PLANT FIBRES FROM INVASIVE SPECIES AND RECYCLED MATERIALS. APPLICATION TO THE CASE OF PENNISETUM SETACEUM.	Marco Antonio Toledo Oval
16:00-16:15	88502	DETERMINATION OF THE DIFFERENCE IN TEMPERATURE AND EVAPORATION RATE OF WATER IN A SWIMMING POOL, DEPENDING ON THE COLOR OF THE GLASS COATING	Sandra Moyano Sanz
16:15-16:30	89190	CORROSION BEHAVIOR OF AN ALKOXY SILANE-BASED IMPREGNATION INHIBITOR IN MORTAR SPECIMENS.	Elvis Guzmán Domínguez
16:30-16:45	88815	IDENTIFYING THE MOST RELEVANT FACTORS IN RESIDENTIAL ENERGY EFFICIENCY USING MACHINE LEARNING ALGORITHMS	Raúl Tomás Mora García, María-Francisca Céspedes-López, Raúl Pérez-Sánchez, Juan-Carlos Pérez-Sánchez
16:45-17:00	88790	INFLUENCE OF THE VARIABLES GOVERNING THE CONFINEMENT OF CARBON FIBER REINFORCED CONCRETE AT THE SPECIMEN AND PIECE LEVEL.	Sergio David Alejo Buenabad, María Isabel Prieto Barrio, Alfonso Cobo Escamilla

**TALLER FLEXOFIBERS**

## VIERNES 15

<b>Lugar: Sala de Grados (P-1)</b>			
Moderador: Mercedes Valiente López			
	Nº	Ponencia	Autores
10:00-10:15	88690	INFLUENCE OF HYDROTALCITES ON THE MECHANICAL PROPERTIES OF ORGANIC POWDER COATINGS	NATALY ELIZABETH CALDERON PEREA, Francisco Velasco, María Asunción Bautista, María Fernández Álvarez
10:15-10:30	88545	MANUFACTURE AND LIGHT BEHAVIOR OF TRANSPARENT WOOD	Belén Zapico Benavides, Jose Ramón Aira Zunzunegui, Mercedes González Redondo, Daphne Hermosilla Redondo
10:30-10:45	89236	MULTI-CULM BAMBOO AXIAL ELEMENTS AS STRUCTURAL ALTERNATIVE FOR LARGE-SPAN AND MULTI-STOREY BUILDINGS	Jaime E. Espinosa Benito
10:45-11:00	88804	THERMAL CHARACTERISATION OF FACADES FROM 1979 TO 2006 THROUGH MONITORING IN EXTREMADURA	ANGEL PIZARRO POLO, BEATRIZ MONTALBAN POZAS
11:00-11:15	88502	DETERMINATION OF THE DIFFERENCE IN TEMPERATURE AND EVAPORATION RATE OF WATER IN A SWIMMING POOL, DEPENDING ON THE COLOR OF THE GLASS COATING	Sandra Moyano Sanz
11:15-11:30	90366	Rehabilitación estructural de un puente de fábrica	Luis Carrillo Alonso
<b>11:30-12:00</b>	<b>COFFEE BREAK + POSTER SESSION</b>		
	<b>Sala: Hall de entrada (P0)</b>		
12:00-12:30	<b>CIERRE DEL EVENTO</b> <b>Carlos Morón Fernández</b> Director de Departamento de Tecnología de Edificación Lugar: Sala de Juntas (P-1)		