



# ICME 2026

International Congress on Multidisciplinary Engineering

# Planning & Scheduling

## International Congress on Multidisciplinary Engineering (ICME 2026)

3-5 June, 2026

Huelva



Universidad  
de Huelva



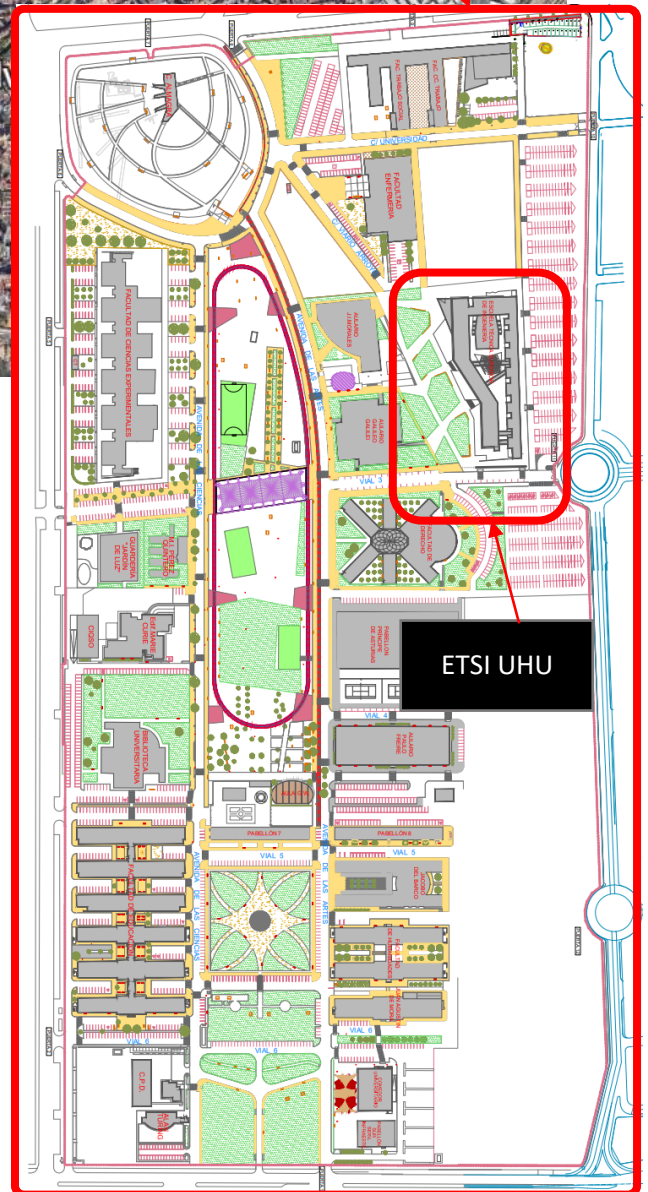
Colegio Oficial de  
Ingenieros Industriales  
Andalucía Occidental



DIPUTACIÓN  
PROVINCIAL  
DE HUELVA

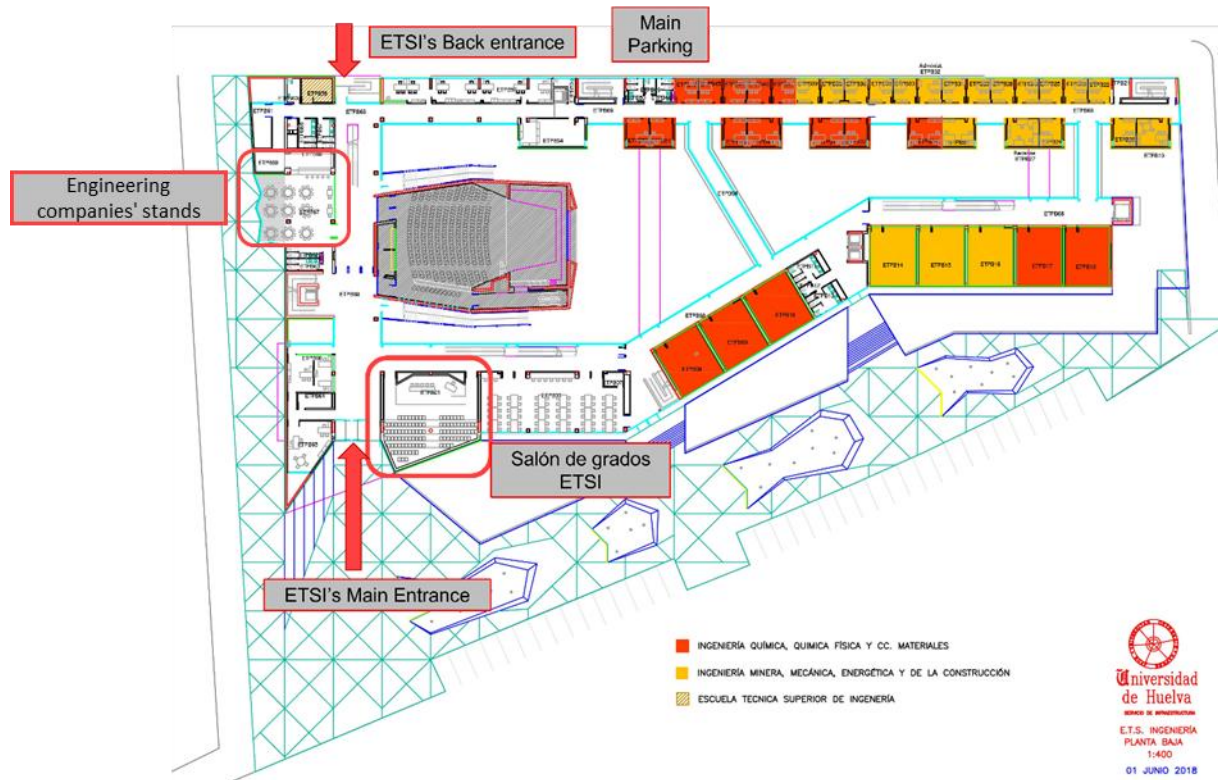


## Congress location – Localización del congreso (37°16N 6°55W)

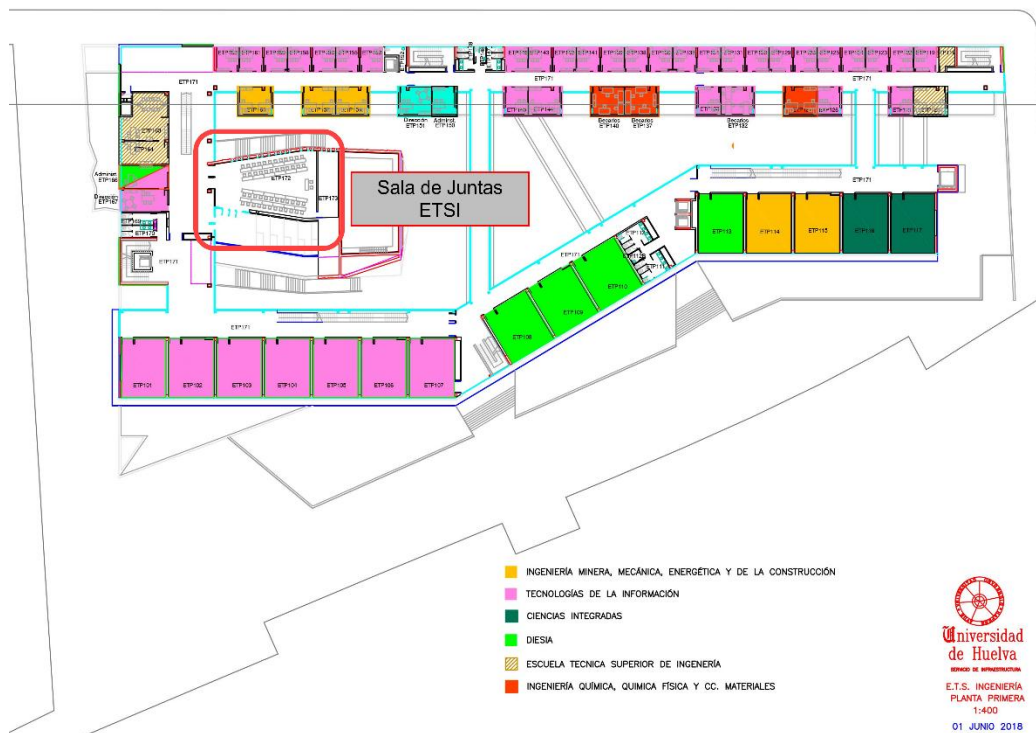


## Rooms' location – Localización de las salas

Ground Floor, entrance – Planta baja, acceso



First Floor – Primera planta



## Schedule – Horario

	Wednesday 3	Thursday 4	Friday 5
8:30 - 10:00	Registration (8:30 – 10:00)	Session 3	Session 6
10:00 - 10:30	Opening ceremony	Industry Round Table Plenary session (Environment and energy in engineering) <i>Cátedra Gabitel</i>	Round Table Plenary session (Women in Engineering and Science: Role Models and Current Challenges) & <i>Cátedra Clara Campoamor</i> Awards
10:30 - 11:00	Coffee break <i>Cátedra Fertinagro</i>		
11:00 - 11:15	Session 1 (11:15 – 13:30)	Coffee break <i>OCA Global</i> <i>Cátedra del Mar</i> <i>USISA</i>	Coffee break <i>Cátedra Clara Campoamor</i>
11:15 - 11:30			
11:30 - 11:45			
11:45 - 12:00		Round Table Plenary session (Digitization and artificial intelligence in industry) & <i>Cátedra Pronamic Awards</i>	Session 7
12:00 - 12:45			
12:45 - 13:00		Session 4 (a&b) (12:45-13:45)	
13:00 - 13:30	Lunch (13:30 – 15:00)	Lunch (13:45 – 15:30)	Closure ceremony
13:30 – 13:45			
13:45 - 14:00			
14:00 - 14:30		Session 2 (Online) (16:00 – 18:00) & Social Plan I (Mines of Huelva Tour) (15:00 – 20:00) <i>Atalaya Mining</i>	Session 5 (Online) (16:00 – 18:00) & Social Plan II (Discovering Tour) (15:30 – 20:00) <i>Cátedra de la Provincia</i>
14:30 - 15:00			
15:00 - 15:30			
15:30 - 16:00			
16:00 - 16:30			
16:30 - 17:00	Gala Dinner		
17:00 - 17:30			
17:30 - 18:00			
18:00 - 18:30			
18:30 - 19:00			
19:00 - 19:30			
19:30 - 20:00			
20:45			

**Engineering companies' stands:**

	Wednesday 3	Thursday 4	Friday 5
9:00 – 13:00	Stands		

## Organización y duración de las ponencias.

Las sesiones se organizan por grupos de ponencias. Durante cada grupo de ponencias, éstas se desarrollan de manera continua, con una duración de 10 minutos cada una. Al finalizar la última ponencia de cada grupo se abrirá un turno de preguntas relacionadas con cualquiera de las ponencias de este grupo.

## Presentation Organization and Timing

Sessions are organized into presentation groups. During each group, presentations will run continuously, lasting 10 minutes each. After the final presentation of the group, a Q&A session will open for questions regarding any of the presentations in that group.

<b>Session 1: Mechanical and Chemical Engineering, Design and Materials' Science</b>		
Wednesday 03/06/26	11:15 – 13:30	Salón de Grados ETSI Session Chair: Antonio García Chica
Group 1 Materials' Science & Chemical Engineering		
<b>MECHANICAL MILLING-INDUCED NANOCRYSTALLIZATION OF AMORPHOUS FINEMET RIBBONS</b> R. M. Aranda; M.L. Pizarro; B. Aranda; F.G. Cuevas		
<b>CAPACITOR ELECTRICAL DISCHARGE SINTERING OF AMORPHOUS FINEMET POWDER.</b> R. M. Aranda; M.L. Pizarro; B. Aranda; F.G. Cuevas		
<b>EFFECT OF REACTIVE MILLING ON THE MECHANICAL PROPERTIES AND PITTING CORROSION RESISTANCE OF POWDER-METALLURGY ALUMINIUM-BASED COMPOSITES.</b> Beatriz Aranda; M.L Pizarro; R. M. Aranda; Francisco G. Cuevas		
Group 2: Mechanical & Design Engineering		
<b>INFLUENCE OF END-PLATE THICKNESS ON THE P-DELTA RESPONSE OF STEEL FRAMES WITH SEMI-RIGID EXTENDED END-PLATE CONNECTIONS.</b> Pablo Fernández Hernández; Ángel Mariano Rodríguez Pérez; César Antonio Rodríguez González		
<b>VAST TERRITORIES ALTITUDE MAPPING: A METAHEURISTIC MULTIDISCIPLINARY OPTIMIZATION APPROACH</b> Rafael Perez Guardiola; Pau Lozano Lloret; José Miguel Alonso Abalos; Agustin Perez-Garcia		

<b>Session 2: Online (I) – Miscellaneous</b>		
Wednesday 03/06/26	16:00 – 18:00	Online Session Chair: R. M. Aranda
Group 1: Mechanical Engineering		
<b>UNSUPERVISED MONITORING OF DAMAGE PROGRESSION IN ROTATING SHAFTS USING WAVELET-BASED FEATURES AND ISOLATION FOREST</b> Francesco Melluso; Vincenzo Niola; Cristina Castejón; Maria Jesus Gomez-Garcia		
<b>STUDY FOR THE PROGNOSIS OF BEARINGS BY DEVELOPING AN DEGRADATION MODEL FOR ESTIMATING THEIR REMAINING USEFUL LIFE</b> Nelson Vicente Guapacha; María Jesús Gómez; Miguel Ángel Patricio; Cristina Castejón		
<b>DETERMINATION OF THE CONDITION OF RAILWAY ROLLING STOCK USING DECISION TREES AND SUPPORT VECTOR MACHINES TECHNIQUES</b> Enrique Junquera Meana; Higinio Rubio Alonso; Alejandro Bustos Caballero; Cristina Castejón Sisamón		
Group 2: Electrical Engineering		
<b>CONTROLLED BAND-GAP ENGINEERING OF A-MOO<sub>3</sub> NANOSTRUCTURES VIA ADDITIVE-FREE PRECIPITATION AND SHORT-TIME MILLING</b> Loundja Chibane; Rosa María Aranda; Saifi Amirouche; Jesús Rodríguez Vázquez		
<b>DEMAND-SIDE FLEXIBILITY AND AGGREGATION IN THE SPANISH POWER SYSTEM: TECHNICAL FEASIBILITY AND REGULATORY FRAMEWORK</b> Mokhtar Hamou; Jesus Clavijo-Camacho; Reyes Sanchez-Herrera		
Group 3: Artificial Intelligence, Modelling and Analysis		
<b>FROM WORDS TO PERCEPTION: A TEXT-MINING APPROACH TO ANTHROPOMORPHISM IN LLM COMMUNICATION AND USER DISCOURSE</b> Chiara Lelli; Alessandra Serra		
<b>STABILIZING REDUCED ORDER MODELS FOR CHAOTIC SYSTEMS USING A PATCHWORK ADAPTIVE FRAMEWORK</b> Carlos Pérez-Carrera; Higinio Rubio; Domenico Guida		
<b>AUDIOTATE: HUMAN-IN-THE-LOOP VALIDATION SOFTWARE FOR ENVIRONMENTAL ACOUSTIC MONITORING</b> Alba Márquez-Rodríguez; Neus Pérez-Gimeno; Laura Rollán; Gonzalo Muñoz Arroyo; Andrés de la Cruz		
<b>HYDROGEN EMBRITTLEMENT CORROSION: DETECTION METHODS, CRACK WIDTH ASSESSMENT AND FUZZY LOGIC-BASED RISK QUANTIFICATION</b> Andrés Ingunza Curro		

<b>Session 3: Teaching Innovation (I)</b>		
Thursday 04/06/26	8:30 – 10:00	Salón de Grados ETSI Session Chair: Cesar Antonio Rodriguez Gonzalez
Single Group		
<p><b>UN MODELO DE INGENIERÍA EDUCATIVA DE LA CARRERA DUAL EN EL CENTRO DE TECNIFICACIÓN DEPORTIVA “INFANTA CRISTINA” DE LA REGIÓN DE MURCIA</b> Luis Vera Franco; Igor A. Bello Tasic; Rafael Alcázar Corona; María Dolores Cano Baños</p>		
<p><b>INTERACTIVE NOTEBOOKS FOR DEEP LEARNING EDUCATION: MANIPULATING THEORY FOR MEANINGFUL LEARNING.</b> Diego Canales; Antonio M. Durán-Rosal</p>		
<p><b>EVALUATION OF A ROLE-BASED METHODOLOGY FOR CONDUCTING LABORATORY SESSIONS: PRELIMINARY RESULTS</b> Gabriel López; Rodrigo Álvarez-Barajas; Elvira Martín del Río; M. Pilar Orihuela</p>		
<p><b>DIGITAL TWIN INTEGRATION FOR REAL-TIME STRUCTURAL ANALYSIS: A CASE STUDY IN MECHANICAL ENGINEERING EDUCATION</b> Juan Antonio Almazán Lázaro; Juan Liébana Cruz; Elías López Alba; Francisco Alberto Díaz Garrido</p>		

<b>Session 4(a): Teaching Innovation (II) and Design Engineering</b>		
Thursday 04/06/26	12:45 – 13:45	Salón de Grados ETSI Session Chair: Paula De Andrés Anaya
Single Group		
<p><b>OPEN-SOURCE VOLTAGE SAG GENERATOR FOR MULTIDISCIPLINARY ENGINEERING EDUCATION: A PROJECT-BASED LABORATORY PRACTICE</b>  Álvaro de la Cruz Álamo; Gabriel Gómez Ruíz; Jesús Clavijo Camacho; María Reyes Sánchez Herrera</p>		
<p><b>INTEGRATED ANALYSIS OF CCT, ILLUMINANCE AND UNIFORMITY IN RESIDENTIAL BEDROOM LIGHTING: EFFECTS ON PERCEIVED COMFORT AND SAFETY IN OLDER ADULTS</b>  J.R. Segarra Núñez; C. Llinares Millan; N.Castilla Cabanes</p>		
<p><b>ANÁLISIS DE REQUISITOS EN EL DISEÑO DE ÓRTESIS PARA LA RECUPERACIÓN EFECTIVA DE PATAS DE GALGOS</b>  Diego Alessandro Fauste Meijide; Juan Carlos Pérez Roca; Pedro Bernal Cutilla; Jose Manuel González Chamorro; Raquel Cañete-Yaque; Sergio Blanco-Trejo</p>		
<p><b>HYDROLOGICAL TIME SERIES ANALYSIS FOR CIVIL ENGINEERING APPLICATIONS</b>  Raúl Montes Pajuelo; Ángel Mariano Rodríguez Pérez; Raúl López Alonso; Antonio García Chica; César Antonio Rodríguez González</p>		
<p><b>EXTREME RAINFALL IN THE GUADALQUIVIR RIVER BASIN: ANALYSIS FOR CIVIL ENGINEERING DESIGN</b>  Raúl Montes Pajuelo; Ángel Mariano Rodríguez Pérez; Raúl López Alonso; Julio José Caparrós Mancera; César Antonio Rodríguez González</p>		

<b>Session 4 (b): Artificial Intelligence, Modelling and Analysis</b>		
Thursday 04/06/26	12:45 – 13:45	Sala de Juntas ETSI Session Chair: Manuel Álvarez Dorado
Single Group		
<p><b>VISION-BASED FIBER ALIGNMENT CONTROL IN ADVANCED COMPOSITES</b>  Juan Liébana Cruz; Juan Antonio Almazán Lázaro; Elías López Alba; Francisco Alberto Díaz Garrido</p>		
<p><b>AI APPLICATIONS IN TRAUMA: A STATE-OF-THE-ART REVIEW AND ANALYSIS OF THE GAP IN CHILD TRAUMA NARRATIVES</b>  Raquel Cañete; Sergio Blanco-Trejo</p>		
<p><b>PRIORITIZING MEASURES TO INTEGRATE CIRCULAR ECONOMY IN ENVIRONMENTAL PERMITTING: AN AI-ASSISTED DELPHI-MCDA DESIGN</b>  Víctor Luis Vázquez Calvo; Zbigniew Korzeb; Bernabé Alonso-Fariñas; José Morillo Aguado</p>		
<p><b>ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE VISITOR EXPERIENCES: OPPORTUNITIES AND FUTURE RESEARCH DIRECTIONS</b>  Nuno F. Lages</p>		

<b>Session 5: Online (II) – Miscellaneous</b>		
Thursday 04/06/26	16:00 – 18:00	Online Session Chair: Gonzalo Antonio Aranda Corral
Group 1: Construction and Hydraulic Engineering		
<b>OPERATIONAL STRATEGIES FOR SOLAR MEMBRANE DISTILLATION SYSTEMS WITH THERMAL STORAGE FOR BRINE CONCENTRATION</b> Alejandro Bueso; Juan Diego Gil; Guillermo Zaragoza		
<b>PREDICTING PARTICLE ENTRAINMENT IN GRAVEL-BED RIVERS VIA HIDING–EXPOSURE FUNCTION</b> Raúl López; Fanny Ville; Celso Garcia; Damià Vericat; Ramon J. Batalla		
<b>SELECTIVE TITANIUM LEACHING FROM VANADIUM-BEARING TITANOMAGNETITE ORE USING OPTIMISED SULPHURIC ACID LEACHING</b> Beverley Marufu; Karel von Eschewege; Alba Gomez-Arias		
Group 2: Materials' Science		
<b>VALORISATION OF SPENT BLEACHING EARTHS INTO METAKAOLIN ALKALI-ACTIVATED MATERIALS</b> Ibrahim Ali Abbas; Luis Pérez-Villarejo; Dolores Eliche-Quesada; Salvador Bueno		
<b>CORROSION BEHAVIOR OF COMMERCIAL SHAPE MEMORY AND SUPERELASTIC NITI ALLOYS IN SIMULATED PHYSIOLOGICAL CONDITIONS</b> C. Perez-Gonzalez; C. García-Cabezón; C. García-Hernández; B. Merillas Valero; F. Martin-Pedrosa		
Group 3: Teaching Innovation		
<b>VIRTUAL LABORATORIES FOR MATERIALS SCIENCE AND ENGINEERING</b> Celia Garcia-Hernandez; Cristina Garcia-Cabezón; Fernando Martin-Pedrosa.		
<b>SIMULATION-BASED LEARNING IN EDUCATION: A COMPARATIVE STUDY OF BUSINESS STRATEGY 3 AND SIM COMPANIES APPS.</b> David Perea; Cinta Pérez-Calañas; Rocío Hernández- Garrido		
<b>CIRCUITOS TRIFÁSICOS: AN INTERACTIVE APP FOR THREE-PHASE CIRCUIT ANALYSIS IN ELECTRICAL ENGINEERING EDUCATION</b> Jesus Clavijo-Camacho; Francisco Javier Ruiz-Rodríguez; Alvaro Cruz-Alamo; Jose A. Hernández-Torres; Reyes Sánchez-Herrera		
<b>AN INTERACTIVE APP FOR LOAD FLOW ANALYSIS IN RADIAL DISTRIBUTION NETWORKS– A TEACHING INNOVATION TOOL</b> Jesus Clavijo-Camacho; Francisco Javier Ruiz-Rodríguez; Alvaro Cruz-Alamo; Jose A. Hernández-Torres; Reyes Sánchez-Herrera		

<b>Session 6: Mining and hydrology engineering</b>		
Friday 05/06/26	8:30 – 10:00	Salón de Grados ETSI Session Chair: Nuno F. Lages
Group 1: Mining		
<b>OPTIMISATION OF METHANE SULFONIC ACID LEACHING FOR RARE EARTH ELEMENT RECOVERY FROM MINE TAILINGS</b> Alba Gómez-Arias; Zovuyo Yekane; Julio Castillo, Maleke Maleke		
<b>STABILITY OF CEMENTED TAILINGS UNDER VARIABLE ACIDITY CONDITIONS.</b> Antonio J. Diosdado-Aragón; Manuel A. Caraballo; José Miguel Dávila Martín; María Santisteban Fernández; Isabel Mendoza Cordero; Manuel Alejandro Camacho		
Group 2: Hydrology		
<b>A FIRST DATA-DRIVEN MODEL OF CEMENTED ROCK FILL (CRF) UNCONFINED STRENGTH FOR BACKFILL.</b> Pablo Fernández Hernández; Rafael Vidal Garduño; Manuel Antonio Caraballo		

<b>Session 7: Building technology and engineering</b>		
Friday 05/06/26	11:45 – 13:00	Salón de grados ETSI Session Chair: Sergio Jesús Gómez Melgar
Group 1		
<b>EVOLUCIÓN HISTÓRICA DE LAS SOLUCIONES DE CIMENTACIÓN EN LA CIUDAD DE HUELVA EN RESPUESTA A LAS VARIACIONES GEOMORFOLÓGICAS Y GEOTÉCNICAS DEL MEDIO.</b> Rafa Vidal-Garduño; Bárbara Medina-Montalbán; Emilio M. Romero Macias.		
<b>STUDY OF TECHNIQUES FOR THE ANALYSIS OF RADON EXHALATION IN CONSTRUCTION MATERIALS</b> Isabel Sicilia; Borja Frutos; Fernando Martín-Consuegra; Carmen Alonso; Gloria Pérez; Jon Fernández; Julen Vázquez		
<b>PRELIMINARY DESIGN OF HOLLOW CROSS SECTIONS' BUCKLING RESISTANCE</b> Olaya Suau; Arianna Guardiola-Víllora		
Group 2		
<b>ADAPTIVE CONTROL OF ELECTROCHROMIC SMART GLASS FOR ENERGY EFFICIENCY IN BUILDINGS UNDER HOT AND DRY CLIMATES</b> Mehrnoush Kenarkouhi; Ana M. Martín Castillejos; Mercedes Valiente López		
<b>THE FIRST STRUCTURAL TYPOLOGIES OF PREFABRICATED STATE SCHOOLS IN SPAIN</b> Davinia Ros-Bonanad; Arianna Guardiola-Víllora		

POSTERS
<p><b>ANALYSIS OF WELDING SPEED STABILITY AND ITS IMPACT ON THE FINAL QUALITY OF THE JOINT.</b> A.J. Alvarado; J.C. Fortes; J. Castilla..</p>
<p><b>DISEÑO Y SIMULACIÓN DE UNA MICRORRED HÍBRIDA RENOVABLE, HIDROELÉCTRICA CON ALMACENAMIENTO DE ENERGÍA EN FORMA DE HIDRÓGENO VERDE, CON GESTIÓN INTELIGENTE PARA LA ELECTRIFICACIÓN Y EL DESARROLLO RURAL SOSTENIBLE.</b> Ángela Vázquez Civila</p>
<p><b>SISTEMA INTELIGENTE DE GENERACIÓN HIDROELÉCTRICA Y GESTIÓN ENERGÉTICA MEDIANTE IA EN INFRAESTRUCTURAS HIDRÁULICAS HISTÓRICAS: APLICACIÓN AL CANAL DE CASTILLA</b> Lucía Olmo Rodríguez</p>
<p><b>HYDRAULIC OPTIMIZATION OF AGRICULTURAL IRRIGATION NETWORKS THROUGH NUMERICAL MODELING FOR THE DETECTION OF OVERPRESSURES</b> Paula Danta Pinillos</p>
<p><b>CAN LARGE LANGUAGE MODELS REPLICATE EXPERT JUDGMENT IN MULTI-CRITERIA DECISION-MAKING?</b> Jose Antonio Hernandez-Torres; Chiara Lelli; Vito Giordano; Filippo Chiarello</p>
<p><b>MULTI-OBJECTIVE OPTIMIZATION FRAMEWORK FOR PLASTIC WASTE PYROLYSIS: BALANCING PROCESS EFFICIENCY, PRODUCT QUALITY AND ENVIRONMENTAL IMPACT</b> María Dolores Medrano Corona; María J. Martín Alfonso; Manuel Jesús Díaz Blanco; José Enrique Martín Alfonso</p>
<p><b>OUI. SISTEMA INTELIGENTE DE ARMARIO VIRTUAL CON RECOMENDACIÓN EMPÁTICA DE OUTFITS BASADA EN CONTEXTO Y PREFERENCIAS DEL USUARIO</b> Antonio Escalante Escalante; Adam Jesus Angel Burgos</p>
<p><b>JARVIS: DISEÑO E IMPLEMENTACIÓN DE UN ASISTENTE INTELIGENTE MULTIMODAL</b> Jesús Sáez Sierra</p>
<p><b>AUTONOMOUS DIGITAL TWIN FOR ASSISTED INDUSTRIAL MAINTENANCE: AN INTELLIGENT COPILOT WITH EXPLAINABLE AI FOR DECISION-MAKING AND EXPERT KNOWLEDGE TRANSFER</b> Luis Gutiérrez Jerez</p>
<p><b>HYBRID DEEP LEARNING FOR LONGITUDINAL ECG ANALYSIS USING WEARABLE DEVICES</b> Ricardo Pavón Moreno</p>
<p><b>IMPLEMENTACIÓN DE ALGORITMOS DE MACHINE LEARNING PARA LA PREDICCIÓN DE FALLOS Y OPTIMIZACIÓN DE LA DISPONIBILIDAD EN SISTEMAS PRODUCTIVOS AUTOMATIZADOS</b> Halima El Hamidi Ramram</p>
<p><b>DESIGN OF AN ADAPTATIVE TRANSPORT PROTOCOL BASED ON ARTIFICIAL INTELLIGENCE AND PRODUCTION SYSTEMS FOR OPTIMIZATION AND PROTECTION OF NETWORK TRAFFIC</b> Mercedes Nogueira</p>
<p><b>SINCRONIZACIÓN INTELIGENTE DE VALLES DE HIDRÓGENO: REDES DE GRAFOS Y GEMELOS DIGITALES PARA LA DESCARBONIZACIÓN INDUSTRIAL</b> Carmen Diaz Carretero</p>

<p align="center"><b>INTELLIGENT SYSTEMS BASED ON URBAN TRAFFIC USING CERTAIN DATA STRUCTURES AND SEARCH ALGORITHMS</b></p> <p align="center">Pablo Ramirez Jiménez</p>
<p align="center"><b>Neotix-AITrainer</b></p> <p align="center">José Lorenzo Pérez Muñoz</p>
<p align="center"><b>IMPLEMENTATION OF A FUZZY LOGIC SYSTEM FOR RISK LEVEL ASSESSMENT BASED ON THE INSST METHODOLOGY</b></p> <p align="center">Antonio García Chica; Julio José Caparros Mancera; Rosa M<sup>a</sup> Chica Moreno</p>
<p align="center"><b>INFLUENCE OF GEOMETRIC MODELLING AND MESH REFINEMENT ON EFFECTIVE STRESS ANALYSIS IN TUNNEL FEM UNDER TERZAGHI'S PRINCIPLE</b></p> <p align="center">César Antonio Rodríguez González; Amparo Verdú-Vázquez; Raúl López Alonso; Raúl Montes Pajuelo; Antonio García Chica</p>
<p align="center"><b>ASSESSMENT OF URBAN HEAT ISLAND (UHI) MITIGATION THROUGH GREEN ROOFS: A SATELLITE ANALYSIS OF THE KÖ-BOGEN II</b></p> <p align="center">Paula Andrés-Anaya; Manuel Álvarez Dorado; Amparo Verdú-Vázquez</p>
<p align="center"><b>MECHANICAL AND DURABILITY ASSESSMENT IN ACCELERATED CARBONATION DEPTH OF CEM I, CEM II, AND CEM IV MORTARS.</b></p> <p align="center">Alejandro Martínez Gordon; María Isabel Prieto Barrio; Alejandro Payán de Tejada Alonso; Ana María Caro Trillo</p>
<p align="center"><b>A PROGRESSIVE FRAMEWORK FOR COMMON DATA ENVIRONMENT IMPLEMENTATION IN CONSTRUCTION COMPANIES BASED ON ISO 19650 AND PMBOK.</b></p> <p align="center">Manuel Álvarez Dorado; Paula De Andrés Anaya; Amparo Verdú Vázquez</p>
<p align="center"><b>ANALYSIS OF PHOTOGRAMMETRIC PARAMETERS IN 3D HERITAGE SURVEYS UNDER COMPLEX LIGHTING CONDITIONS</b></p> <p align="center">David Conejero Gascón; Margarita Infante-Perea; Marta Torres-González</p>
<p align="center"><b>IMPRESIÓN 3D COMO REFUERZO INNOVADOR PARA EL MANTENIMIENTO HOSPITALARIO</b></p> <p align="center">Juan Manuel Eugenio Barroso; Ángel Mariano Rodríguez Pérez; Julio José Caparrós Mancera; César Antonio Rodríguez González</p>
<p align="center"><b>COMPARISON OF THE CORROSION BEHAVIOR OF AISI 1020 AND AISI 304 IN SULFURIC ACID WITH FERRIC CHLORIDE ADDITIONS</b></p> <p align="center">M. L. Pizarro; R. M. Aranda; Francisco G. Cuevas; Beatriz Aranda</p>
<p align="center"><b>CORROSION AND DEGRADATION OF AA6063-T5 ALUMINUM ALLOY IN SULFURIC ACID: EFFECT OF FECL<sub>3</sub> ADDITIONS</b></p> <p align="center">M. L. Pizarro; R. M. Aranda; Francisco G. Cuevas; Beatriz Aranda</p>
<p align="center"><b>THE COMPREHENSIVE PROJECT AS A TEACHING STRATEGY IN DESCRIPTIVE GEOMETRY: CHALLENGES AND RESULTS</b></p> <p align="center">Marta Torres-González; Margarita Infante-Perea; David Conejero Gascón</p>
<p align="center"><b>PROMOTING ENTREPRENEURSHIP IN BUILDING ENGINEERING AT UPV: A COMPREHENSIVE ANALYSIS OF A PEDAGOGICAL INNOVATION IN THE 1ST YEAR</b></p> <p align="center">Elena Navarro-Astor; M. Luisa Nolé-Fajardo</p>

<p align="center"><b>ATTRACTION FACTORS FOR STUDENTS INTO CONSTRUCTION RELATED BACHELOR DEGREES: A LITERATURE REVIEW.</b></p> <p align="center">Margarita Infante-Perea; Elena Navarro-Astor</p>
<p align="center"><b>DOES TALKING TO A MACHINE FEEL LESS SCARY? AI CHATBOTS AND AVATAR AGENTS AS CONFIDENCE-BUILDING TOOLS FOR FEMALE ENGINEERING STUDENTS IN TECHNICAL ENGLISH COMMUNICATION</b></p> <p align="center">Anna Izabela Cislowska; Beatriz Peña Acuña</p>
<p align="center"><b>ENHANCING LABORATORY LEARNING IN MATERIALS SCIENCE THROUGH STUDENT-GENERATED MICRO-VIDEOS</b></p> <p align="center">María Dolores Medrano Corona; María J. Martín-Alfonso; José Enrique Martín-Alfonso; Manuel Jesús Díaz Blanco</p>
<p align="center"><b>HACIA UNA INGENIERÍA DE LA DISPONIBILIDAD COGNITIVA: EL ESTADO FUNCIONAL DEL ESTUDIANTE COMO VARIABLE AUSENTE EN LOS SISTEMAS DE APRENDIZAJE ADAPTATIVO.</b></p> <p align="center">Luis Vera Franco; Igor A. Bello Tasic; Rafael Alcázar Corona; María Dolores Cano Baños</p>
<p align="center"><b>PERCEPTION OF THE SUSTAINABLE DEVELOPMENT GOALS IN ENGINEERING STUDENTS</b></p> <p align="center">Rosa M<sup>a</sup> Chica Moreno; Antonio García-Chica, Marcos Tostado, Cesar Antonio Rodriguez Gonzalez</p>
<p align="center"><b>RETHINKING THE ASSESSMENT OF LABORATORY REPORTS IN MECHANICAL ENGINEERING</b></p> <p align="center">Antonio García-Chica; Julio José Caparros Mancera; Ángel Mariano Rodríguez Pérez; Rosa M<sup>a</sup> Chica Moreno</p>
<p align="center"><b>BIOPOLYMER-STABILIZED CLAY-MINING/INDUSTRIAL WASTE COMPOSITES FOR SUSTAINABLE CONSTRUCTION</b></p> <p align="center">María Díaz Márquez; María J. Martín Alfonso; Francisco J. Martínez Boza; Manuel A. Caraballo Monge</p>
<p align="center"><b>DESIGN AND PROCESS SIMULATION OF A FAST PYROLYSIS BIOREFINERY FOR SUSTAINABLE BIO-OIL PRODUCTION</b></p> <p align="center">Ishtar Muñoz Díaz; María J. Martín Alfonso; Francisco J. Martínez Boza</p>
<p align="center"><b>SINAPSE: A UNIFIED ACADEMIC INFORMATION SYSTEM TO ENHANCE TEACHING COORDINATION AND STUDENT INTEGRATION IN INTERUNIVERSITY MASTER'S PROGRAMS</b></p> <p align="center">María J. Martín Alfonso; José Enrique Moros Martínez; Francisco J. Martínez Boza; Antonio A. Cuadri Vega; María del Carmen Cerón García</p>
<p align="center"><b>BIOPOLYMER-BASED HYDROGELS FOR SUSTAINABLE ENERGY APPLICATIONS</b></p> <p align="center">A. S. Oualah; María.J. Martín Alfonso; Francisco J. Martínez-Boza; Dolores Medrano Corona</p>
<p align="center"><b>INNOVATIVE INTEGRATION OF BIM METHODOLOGY IN TEACHING PHOTOVOLTAIC SYSTEM DESIGN</b></p> <p align="center">Raúl Núñez Romero; Jesús Rodríguez Vázquez</p>
<p align="center"><b>VALORIZATION OF AGROFORESTRY RESIDUES IN A CIRCULAR ECONOMY FRAMEWORK THROUGH HEMICELLULOSE EXTRACTION AND CONVERSION TO FURFURAL.</b></p> <p align="center">J.M. Loaiza; J.J. Prias; M.T. García; S. Lozano; F. López; J.C. García</p>
<p align="center"><b>ENERGY EFFICIENCY STUDY: INSTALLATION OF FISH COOKING BASINS</b></p> <p align="center">Cristian Araujo Zamorano; Ángel Mariano Rodríguez Pérez; Juan Carlos Fortes Garrido</p>
<p align="center"><b>THERMALLY INDUCED MINERALOGICAL AND CHEMICAL TRANSFORMATIONS IN FINE-GRAINED MINE RESIDUES AND THEIR POTENTIAL ENGINEERING APPLICATIONS</b></p> <p align="center">Manuel Ruíz-Rodríguez; Manuel A. Caraballo; Antonio J. Diosdado-Aragón; María J. Martín-Alfonso</p>

**SELECTIVE PRODUCTION OF XYLOSE AND VALUE-ADDED COMPOUNDS THROUGH LIGNOCELLULOSIC  
BIOREFINERY OF POPLAR CLONE AF2**

M.Trinidad García Domínguez; Javier Mauricio Rodríguez Loaiza; Juan Carlos García Domínguez; Susana Lozano Calvo; Francisco López Baldovín.

**METHODOLOGICAL FRAMEWORK FOR THE VALORISATION OF EXTRACTIVE WASTE IN STRUCTURAL  
CERAMIC BRICKS: PERSPECTIVES FROM THE VALORWASTE PROJECT**

1María Paz Sáez-Pérez; 2Jorge A. Durán-Suárez 3Jorge Leal Carmona 4Maria de Lurdes Dinis