

Poster session II

September 11 | 14:00 – 14:30

Last revised: September 2, 2026

Field	Title	Corresponding Author	Company/Institution	Panel
A	A reproducible workflow for open-data-based 3D urban modelling for urban climate analysis	Maidar REKONDO SALSAMENDI	Euskal Herriko Unibertsitatea	1.1
A	An Interoperable Workflow for LiDAR-Based 3D Mesh Generation and Spatial Data Integration in Engineering Design	Maria Teresa YUBERO DE MATEO	Universitat Politècnica de Catalunya	1.2
A	Comparative Study of Piping Route Software for engineering companies	Fernando FREIJO GUERRERO	Euskal Herriko Unibertsitatea	2.1
A	Geometric fitting of column cross-sections from noisy point clouds using constrained minimization	Lucía DÍAZ VILARIÑO	Universidade de Vigo	2.2
B	Sustainable 3D Printing of Biomass-Based Biosensors with Tunable Electrical and Biological Properties	Laura MENDOZA CERESO	Universidad de Extremadura	3.1
C	3D-Printed Mechanical Assemblies from Recycled PET as Sustainable Teaching Resources in Graphical Engineering	Lorena UGARTE SORALUCE	Euskal Herriko Unibertsitatea	3.2
C	AI in Engineering Graphics: Changing Teacher's Role	Guillermo PERIS FAJARNÉS	Universitat Politècnica de València	4.1
C	AI-assisted scaffolding for the initial analysis of mechanical drawings in engineering graphics education	Lara GARCÍA CALVO	Universidad de Burgos	4.2
C	CAPRIA methodology and critical use of generative artificial intelligence in initial training in graphic engineering	Diego Francisco GARCIA MOLINA	Universidad de Jaén	5.1
C	Designing Effective Bar Charts for Global Health Data	Antonio FERNÁNDEZ	Universidade de Vigo	5.2
C	Development of an Interactive Book for Active Learning in Engineering Graphics Education	Alejandro RODRÍGUEZ	Universitat Politècnica de València	6.1
C	Enhancing Spatial Vision in Industrial Drawing through VR Integration: A Multidisciplinary Approach for Mechanical Assemblies	Xabier SANDUA	Universidad Pública de Navarra	6.2
D	Advanced structural design and WAAM additive manufacturing as a strategy for sustainability in metallic components	Virginia URALDE JIMÉNEZ	Universidad Pública de Navarra	7.1
D	AI-Assisted CAM for DED-Arc: Intelligent Toolpath Planning and Process Optimization	Fernando VEIGA	Universidad Pública de Navarra	7.2
D	AI-Driven Tools Across the Product Design Lifecycle. A Systematic Review and Comparative Analysis for Industrial Design Engineering	David RANZ ANGULO	Universidad de Zaragoza	8.1
D	ANALYSIS AND APPLICATION OF GENERATIVE ARTIFICIAL INTELLIGENCE IN 3D MODELING	Eneko SOLABERRIETA	Euskal Herriko Unibertsitatea	8.2
D	Development of a model for predicting the maximum stress of FDM-modeled PLA specimens	María Elena ARCE FARIÑA	Universidade da Coruña	9.1
D	Graphical Application for the Morphological Characterization and Geometric Modeling of Real Milling Cutter Edges	Sergio AGUADO	Universidad de Zaragoza	9.2
D	Improving Interoperability in Civil Engineering: IFC4.3 workflow	Pedro LASTRA GONZÁLEZ	Universidad de Cantabria	10.1
D	Redesign of a Commercial Product Structure through the Application of TPMS Structures	Ramón MIRALBES BUIL	Universidad de Zaragoza	10.2
E	Horizontal extrusion bioprinting: state of the art and design of a novel system for tubular structure fabrication	Jesús Manuel RODRÍGUEZ REGO	Universidad de Extremadura	11.1

Fields:

- A: Tools and Methodologies for Management of Spatial Data
- B: Sustainable Product and Process Design
- C: Graphical Engineering in Higher Education
- D: Digital Tools and AI for Design Purposes
- E: Miscellany