

## Pitch session III

September 11 | 15:30 – 16:15

Last revised: September 2, 2026

| Field | Title                                                                                                                             | Corresponding Author        | Company/Institution                  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|
| C     | A Blended Learning Approach to Teaching Graphical Expression in Engineering                                                       | Carmelo GÓMEZ               | Universidad Politécnica de Cartagena |
| C     | Challenge-Based Learning for Higher Education Transformation in Industry 5.0: A UPM–EELISA Ecosystem Perspective                  | María Luisa MARTÍNEZ MUNETA | Universidad Politécnica de Madrid    |
| C     | Competence Development in Aerospace Engineering Students through Project-Based Learning                                           | Rebeca MARTÍNEZ GARCÍA      | Universidad de León                  |
| C     | Detecting the Invisible: An Automated Approach to Identifying Plagiarism in Autodesk Inventor Files in Engineering Education      | Valen GOMEZ JAUREGUI        | Universidad de Cantabria             |
| C     | Development of a Web-Based Digital Twin of a Two Stroke Motorbike Engine Using Reverse Engineering                                | Ricard BARBERÀ GUILLEM      | Universitat Politècnica de València  |
| C     | From Mental Abstraction to Sustainable Prototyping: A Five-Phase Design Thinking Workflow for Graphical Engineering Education     | Julio Cesar RIVERA PEDROZA  | Universidad de Deusto                |
| C     | Gender study on motivation with the use of virtual reality in learning representation systems in engineering degree programs      | Paula TRIVIÑO TARRADAS      | Universidad de Córdoba               |
| C     | Reverse Engineering Applied to 'Design for Health': A Teaching Case Study Using Simplified Ribbed Shafts                          | Rocío RODRÍGUEZ             | Universidad de Salamanca             |
| C     | Towards an efficient interaction between learners and conversational artificial intelligence tools in graphic engineering courses | Diego José GUERRERO MIGUEL  | Universidad de Oviedo                |
| E     | BIM-Integrated Energy Simulation of Radiative Cooling Envelopes in Office Buildings                                               | Laura CARLOSENA             | Universidad Pública de Navarra       |
| E     | Service design methodologies: A framework to transform healthcare systems                                                         | Laura AGUADO GONZÁLEZ       | Universidad de Zaragoza              |

### 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