

## Industrial Day – Project Submission Form

Please complete this form to provide information about the projects your company will present during Industrial Day. This information will help us organize and communicate available Master's Thesis (TFM) opportunities to students.

<b>Company Name</b>
Eurecat – Technology Centre of Catalonia

<b>Project Title</b>
Methodology for Determining Optimal Parameters in 3D Printing with Pastes

<b>Project Description</b>
<p>This project focuses on developing a methodology to define the best material mixture and process parameters for 3D printing with pastes, considering design constraints and their impact on subsequent kiln firing. The aim is to ensure dimensional stability, mechanical strength, and defect-free surfaces.</p> <p>The work will involve analyzing how material composition interacts with design and process variables during drying and thermal treatment. The methodology will include experiments to validate different combinations of mixtures and parameters, leading to guidelines for selecting optimal process windows. The expected outcome is a validated workflow for material formulation and process optimization in paste-based additive manufacturing.</p>

<b>Responsible Person</b>
Miquel Domingo

<b>Contact email</b>
<a href="mailto:miquel.domingo@eurecat.org">miquel.domingo@eurecat.org</a>

**Is there financial support available? (Yes/No)**

Yes

No

<b>Number of available positions</b>
1

Thank you for your collaboration and participation in Industrial Day.