

## 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>
Development of a Methodology to Determine Optimal Process Parameters for 3D Printing and Subsequent Machining of Parts

<b>Project Description</b>
<p>This project aims to develop a systematic methodology for identifying and optimizing process parameters when manufacturing parts through 3D printing followed by machining. The approach will ensure high dimensional accuracy and surface quality while reducing trial-and-error during setup.</p> <p>The work will leverage Eurecat's hybrid manufacturing platform, which combines Fused Filament Fabrication (FFF) and CNC machining in a single system. The methodology will include material characterization, parameter selection for both additive and subtractive stages, and experimental validation. The expected outcome is a robust workflow that improves part quality and efficiency, enabling reliable hybrid manufacturing for industrial applications.</p>

<b>Responsible Person</b>
Miquel Domingo

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

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**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.