

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.

Company Name
Eurecat – Technology Centre of Catalonia

Project Title
Optimization of a 3D Reconstruction Model for Additive Manufacturing Applications

Project Description
<p>This project aims to improve the performance and efficiency of the MapAnything deep learning architecture for 3D object reconstruction, focusing on speed and accuracy. Precise and fast reconstruction is essential for quality control in additive manufacturing workflows.</p> <p>The work will involve analyzing bottlenecks in inference time and reconstruction quality, implementing improvements in model architecture and data handling, and validating the optimized system using benchmark datasets and real manufacturing scenarios. The expected outcome is a faster and more accurate 3D reconstruction solution suitable for integration into industrial additive manufacturing processes.</p>

Responsible Person
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Is there financial support available? (Yes/No)

Yes

No

Number of available positions
1

Thank you for your collaboration and participation in Industrial Day.