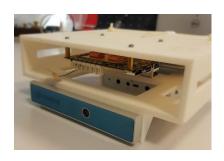
3D shape measurements with drone-mounted scanners

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AIM: cooperate in the development of an instrumented drone for 3D scanning during flight

Description:

3D reconstruction of large targets (such as buildings) need to acquire portions of the 3D shape and compose the full model. Drones are an excellent mean to move the scanner, but the full reconstruction is challenging. The aim is to use the drone recently developed for flight test and apply reconstruction algorithms to recover the full shape.

Skills and knowledge:

Interest in both practical testing and data processing, basic knowledge of Matlab.

The thesis will be carried out at the Departement of Mechanical Engineering, in the Laboratory of Mechanical Measurements and on field.

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