



ABSTRACTS

6. Marius NEAGU, Doina VASILCA: Using 3D laser scanning in the architectural field

In this article, we present the characteristics of 3D laser scanning and one of its applications in the architectural field. Three-dimensional terrestrial scanning is the latest technology in the process of acquiring data of an object's space without any contact with the measured objects. Being an efficient, fast and high-precision method, it is therefore used in the preservation, rehabilitation and modernisation of buildings. 3D laser scanning is also used for creating building informational models in order to verify their compliance with renovation and rehabilitation projects. So as to illustrate all of the above, we have used 3D laser scanning technology in the rehabilitation of a degraded and uninhabitable house from Bucharest. The final project, consisting of both 2D and 3D derivatives, will be used by architects and civil engineers towards reaching the best rehabilitation decisions, in order to transform the building into a safe and pleasant place to live.

Organisers



Partners

