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## ABSTRACTS

### *Industrial heritage recording and 3D modelling using non-invasive digital technology*

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#### Abstract

Lately, advanced researches were used for the elaboration of active measures of digitization of the cultural heritage (i.e. the new non-invasive digital technologies) which play a more and more important role in documenting, presenting, communicating and promoting of the cultural heritage elements.

This study brings into the foreground a special category of cultural patrimony, namely industrial heritage, which is individualized by particular elements (eg technological value), to which are added values specific of other historical monuments (historical value, architectural value, frequency-rarity, uniqueness).

The study aims to promote buildings and sites of technical and industrial heritage as cultural resources through the non-destructive digital techniques (aerial photogrammetry: drone-unmanned aerial vehicle-UAV) to facilitate broad public access to these valuable resources. Moreover, this necessity is correlated with the fact that the decision-making process regarding the conservation and valorization of the Romanian industrial heritage has been delayed, so that today various significant industrial monuments are facing disappearance.