

Borsa di Ricerca

"3D reconstruction of lost heritage by Geomatics data in virtual environments and Metaverso"

The research will focus on the setup and validation of a process to realize Virtual or Augmented Reality products and applications based on 3D Geomatics data and specifically related to lost heritage sites, structures or objects, or situations exposed to high level of risk for different reasons. The reconstruction will be based on existing multisource data (e.g., historical images).

Beside Virtual Reality or Augmented Reality products, a particular interest will be towards *Metaverso* implementations, and the analysis of their impact on different kinds of audience.

After an appropriate bibliographic research, the optimal data processing procedures will have to be set up, on the most suitable software platforms, using if possible open-source software.

The winner of the grant will periodically report to the tutor on the progress of the research.