

Restoration Process of Kastamonu - Tufekciler Village Houses for Potential Eco-Tourism Purposes

Authors : Turkan Sultan Yasar Ismail, Mehmet Cetin, M. Danial Ismail, Hakan Sevik

Abstract : Nowadays, there is a need for the real world to be translated to the virtual environment by three-dimensional visualisation for restoration and promotional modelling of historic sites in protected areas. Visualisation models have also become the very important basis for the creation of three-dimensional Geographic Information System. The protection of historical and cultural heritage and documenting in Turkey as well as all over the world is an important issue. This heritage is a bridge between the past and the future of humanity. Many historical and cultural heritages suffer neglect and for reasons arising from natural causes. This is to determine the current status of the work and documenting information from the selected buildings. This process is important for their conservation and renovation work that might be done in the future. Kastamonu city is one of the historical cities in Turkey with a number of heritage buildings. However, Tufekciler Village is not visited and famous even though it includes several historical buildings and peaceful landscape. Digital terrestrial photogrammetry is one of the most important methods used in the documentation of cultural and historical heritage. Firstly, measurements were made primarily around creating polygon mesh and 3D model drawings of the structures to be modelled on images with the move to digital media such as picture size and by subsequent visualisation process. Secondly, a restoration project is offered to the village with the concept of eco-tourism with all scales such as, interior space to landscape design.

Keywords : eco-tourism, restoration, sustainability, cultural village

Conference Title : ICSAUDE 2016 : International Conference on Sustainable Architecture and Urban Design Engineering

Conference Location : London, United Kingdom

Conference Dates : November 24-25, 2016