Politecnico di Torino

Honors Thesis

Bachelor's degree DESIGN AND COMMUNICATION.

Abstract

Digital reconstruction and virtual reality for the enhancement of cultural heritage: The temple of Mut in Karnak between tangible and intangible heritage

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This thesis project is situated within the field of cultural heritage digitization and stems from a collaboration between the Politecnico di Torino, involving the Department of Architecture and Design (DAD) and the Department of Control and Computer Engineering (DAUIN), with technical support from the VR@POLITO lab, and the Museo Egizio di Torino. The project aims to explore the potential of digital technologies for the reconstruction and enhancement of cultural heritage.
Starting from an initial request by the Museo Egizio concerning to create a digital spatial context for the statues of the goddess Sekhmet from the Temple of Mut, now held in the museum's collection, the project developed into a reconstructive digital modeling process of the temple's architecture. On this basis, a narrative and interactive structure was designed for a virtual reality experience intended to communicate elements of cultural heritage related to the site, with particular attention to the daily rituals that were performed within it.







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