

APPLICATION OF LASER AND OPTICAL TECHNOLOGIES IN PRESERVING ISLAMIC SITES

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ABSTRACT

The aim of this presentation is to show the advances of using laser ranging and optical images to and generate 3D models of historical sites that might be under maintenance, partially damaged, or inaccessible. These features are usually priceless, and the documentation of such features is essential for future generations. Laser ranging and optical images provide a clean environment to document such features without touching the features. This can be applied to several valuable features such as mosques, hand written documents, and historical sites.