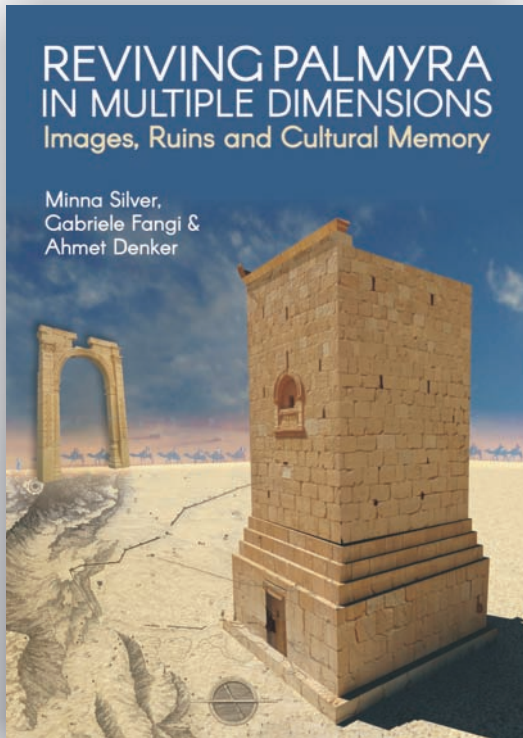


# REVIVING PALMYRA IN MULTIPLE DIMENSIONS

## Images, Ruins and Cultural Memory



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- ➔ **A classic example of digital archaeology and virtual reconstruction**
- ➔ **Provides a comprehensive and fascinating study of Palmyra, lifting it from the ruins**
- ➔ **A beacon for the recording of international cultural heritage**

This book provides a visual reconstruction of Palmyra, a World Heritage Site situated in Syria, which flourished in Greco-Roman times. Palmyra is situated in a desert oasis and served as a vibrant caravan station on the Silk Road connecting the Roman world with the East. It has been called 'the Queen of the Desert' and 'Venice of the Sands'.

In 2015 - 2016 the city was conquered by ISIS who destroyed its monuments and museum, also killing several of its inhabitants. Their aim was to erase the memory and identity of the place, its people and our common heritage. However, through the use of modern technology including photogrammetry, digital imagery and 3D modelling, it has been possible to recreate the documented monuments, thus overcoming to some extent the trauma, cultural destruction and loss.

The book unveils the rediscovery of the site by the West and revives and reconstructs the ancient city through images and history. The reader is taken through the spectacular city and its past by providing the information to follow the roots and development of the site, its monuments and its people through the ages, including rulers such as Queen Zenobia. The combination of visualization and written accounts interlink the environment and its people, the monuments and archaeological small finds by using ancient written sources, old photographs, new imagery, 3D models and 3D printing. Thus this ancient site and its past is revived in multiple dimensions.

Monuments are visualized as digitally reconstructed ruins or as complete virtual models. This text is therefore the perfect guide for readers who wish to immerse themselves visually in the history of the area and to discover more about the archaeology and its preservation using diverse methods employing modern technology.

**Contents:** Introducing the memory of the place; Approaching Palmyra from air, space and by land; Revealing cities beneath cities; Individual, families and tribes in inscriptions and images; Palmyra's destiny between Rome and Persia; The Temple of Bel at the core of Palmyra; The Triumphal Arch and the Grand Colonnade; Sacred and public spaces along the Grand Colonnade; The tombs for the eternal souls of Palmyreans; The Camp of Diocletian, the Christian Basilicas and the Arab Citadel; Appendix - The documentation of the architectural heritage by spherical photogrammetry

**Readership:** ideal for all who have an interest in archaeology or the application of modern geomatics and digital techniques in its preservation. Professionals and students in archaeology, heritage and conservation, museums and related areas will find it interesting and stimulating as will anyone in geomatics involved with the application of such techniques to recording heritage.

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