



The “**EDICULA Immersive Event**” within EDICULA Erasmus+ project “Educational Digital Innovative Cultural heritage related Learning Activities” opens the discussion to other case studies. Innovative scientific methodologies developed within the emblematic rehabilitation of the Holy Aedicule of the Holy Sepulchre in Jerusalem are marking future trends in the protection of cultural heritage. They do initiate a universal conversation within a holistic approach, merging competence from the scientific fields of architecture, civil engineering, surveying engineering, materials science and engineering, information technology and archaeology, as well as heritage professionals on restoration and conservation, stakeholders, industry representatives and policy makers. The combined utilization of digital documentation technologies with innovative analytical and non-destructive techniques, numerical, computational and 3D techniques, archaeometric and archaeogene methods, supports the creation of a transdisciplinary multispectral methodology for the sustainable preservation of cultural heritage. Innovation is enhancing and revealing a critical dimension of the preservation of cultural heritage along with social participation and communication.

EDICULA is an innovative educational approach that fuses the interdisciplinary collaboration among the sectors of applied sciences in the protection of monuments with humanities disciplines using extended reality (XR) technologies and hands on experience, to develop an educational framework to advance scientific transdisciplinary synthesis. <http://edicula.eu/>

This event is complimentary to the EDICULA Hands-on experience (in Jerusalem and Alexandria) and the EDICULA digital games, while expanding the EDICULA framework into other grand challenges in cultural heritage and bridging the gap between XR community and cultural heritage end-users. It includes:

- The presentation of the EDICULA innovative interdisciplinary synthetic methodology with reference to the **Holy Aedicule rehabilitation project**
- The presentation of the **excavation at the Shallalat Gardens in Alexandria** immersive experience through: (i) the presentation of the excavation works and the new perspectives that they can advance in excavation strategies through the EDICULA innovative approach, (ii) the interdisciplinary immersive approach through the 3Dimensional geometric documentation and the hands-on methodology using NDTs, combined with the EDICULA digital games as means to better comprehend real-time, real-scale grand challenges like an excavation.
- The presentation of the case of the **Varnakova Monastery in Fokis rehabilitation** of the Katholikon, where the transdisciplinary EDICULA methodology is also being transferred taking into consideration the challenges of big scale and emblematic monuments rehabilitation.
- **Panel discussion** with the speakers, invited stakeholders and the EDICULA Erasmus+ partners.

EDICULA

Educational Digital Innovative Cultural heritage related Learning Activities

Project Code: 2020-1-EL01-KA203-079108



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19 December 2022 || 10:30-14:30

NTUA, Patission Campus, Averof Building, Kaftatzoglou Ceremony Hall

10:30-10:45 || Inauguration

Prof. Andreas Boudouvis, NTUA Rector

Dr. Amalia Androulidaki, General Director for the Restoration, Museums and Technical Works, Ministry of Culture and Sports of Greece

10:45-11:15 || Introductory lecture

EDICULA Innovative Interdisciplinary Synthetic Methodology with reference to the Holy Aedicule of the Holy Sepulchre rehabilitation project in Jerusalem

Prof. Antonia Moropoulou, EDICULA Coordinator

11:15-11:45 || The Alexandria Immersive Experience

The excavation works at the Shallalat Gardens in Alexandria. Meeting the innovations of the Holy Aedicule rehabilitation within EDICULA: New perspectives in excavation strategies

Dr. Kalliopi Papakosta, Hellenic Research Institute of the Alexandrian Civilization

11:45-12:30 || The Alexandria Immersive Experience

Assoc. Prof. Anastasios Doulamis || Bridging the gap between XR community and CH end-users

Margarita Skamantzari – Ioannis Georgoulas || Digital Games of the Holy Sepulchre

Prof. Andreas Georgopoulos – Dr. Sevasti Tapinaki || 3Dimensional geometric documentation in Alexandria: A challenge for EDICULA

Dr. Ekaterini Delegou || Hands-on methodology in Alexandria using Non Destructive Techniques

12:30-13:30 || EDICULA methodology transfer for the rehabilitation and restoration of Monuments

The case of the Varnakova Monastery in Fokis: The rehabilitation of the Katholikon

Athanasia Psalti || The archaeological approach and supervision

Julia Vobiri - Georgios Andriotakis || Architectural approach

Assoc. Prof. Haris Mouzakis || Structural integrity and earthquake protection aspects

Dr. Maria Apostolopoulou || Interdisciplinary methodology

13:30-14:30 || Panel Discussion

Moderators || **Dr. Kalliopi Papakosta – Prof. Antonia Moropoulou – Dr. Amalia Androulidaki**

Conclusive discussion by the speakers and invited stakeholders and **EDICULA Erasmus+ partners**

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