



## Adaptable, personalizable and multi-user museum systems

### Overview

A complete solution to enhance visitor experiences within Cultural Heritage Institutions (CHIs), by augmenting two dimensional paintings.

The complete solution integrates

- an **augmented digital exhibit** capable of representing any two dimensional artifact
- a **museum information kiosk** that allows browsing collections, way finding and information retrieval
- applications for interactive surfaces** within a museum's main and leisure spaces

Among the major **advantages** of the approach followed for creating interactive digital exhibits are:

- the support of personalized multi-user access
- facilitation of adaptation mechanisms for altering the interaction style and content to the requirements of each CHI visitor
- a standards compliant knowledge representation
- appropriate authoring tools that guarantee the effective integration of this approach to any relevant context



*The digital augmented projection*



*The Museum Coffee Table*



*The Art River*

### Target Domains

The systems address Cultural Heritage Institutions, aiming to enhance visitor's experience by supporting adaptable and personalizable interaction.

The systems can be deployed in the following devices: (i) a digital augmented projection together with MS Windows tablets and support for MS Windows phones, (ii) an interactive TV screen and (iii) an augmented table (Microsoft Surface 2.0).

## Description

The augmented digital exhibit enhances physical and digital artefacts towards a personalized user experience, delivering content through various devices (e.g., tablets, mobile phones) and supporting alternative modalities. In more details, visitors can receive personalized information according to their position in front of an exhibition wall, which may comprise digital or physical 2D exhibits. Furthermore, users can receive personalized information for the exhibit (e.g., description, video, high-resolution images, etc.) by digital signs placed next to the exhibit. Portable tablets, rented or carried by visitors can also be employed as information displays.

Visitors' experience can be further enhanced by additional applications deployed in interactive surfaces placed at the museum's leisure spaces.

## Additional Information

More information about the Art Table is available at:

[www.ics.forth.gr/ami/project/multi-user-museum-exhibits/](http://www.ics.forth.gr/ami/project/multi-user-museum-exhibits/)



Adaptable museum systems  
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