Polyapton

Overview

Polyapton is a very large interactive screen that can be used by several visitors who wish to explore multifaceted information on a subject at the same time. The system’s special multi-touch screen recognizes the touch of many fingers or hands, but also specific objects, at the same time. Visitors can ‘scroll’ across the image and focus on points of interest with multimedia information by touching them, zoom in on details with the use of a cardboard magnifying lens, while an infrared torch displays a modern rendition of the painting.

In addition to multi-touch, the system supports interaction using three props:

(a) a “magic wand”, i.e., a stick with an IR led;
(b) a magnifying glass made of white cardboard; and
(c) an IR flashlight

Target Domains

The system can be used in any cultural heritage or commercial context.
Additional Information

**Permanent public installations:**

- Cyprus Center for Environmental Research and Education, Limmasol, Cyprus
- Archaeological Museum of Thessaloniki, as part of “Macedonia: From fragments to pixels” exhibition [www.makedonopixels.org](http://www.makedonopixels.org)


**Polyapton web page**

**Contact details:** Constantine Stephanidis  
[cs@ics.forth.gr](mailto:cs@ics.forth.gr)  
[www.ics.forth.gr/ami](http://www.ics.forth.gr/ami)