

FIRST

## CALL FOR PARTICIPATION

DigitalHeritage2013 International Congress

*Over 13 Conferences, Symposia, Workshops and Exhibitions under one roof*

28 October – 1 November 2013

Marseille, France

[www.digitalheritage2013.org](http://www.digitalheritage2013.org)



Join us in the 2013 European Capital of Culture, Marseille, this fall for the world's largest gathering ever focused on *Digital Heritage*. A federated event of the leading scientific meetings in information technology for heritage, the Congress will for the first time bring **VSMM**, Eurographics **GCH**, UNESCO's **Memory of the World**, **Arquaeologica2.0**, **Archaeovirtual**, **Digital Art Week** and special events from **CAA**, **CIPA**, **Space2Place**, **ICOMOS ICIP**, and multiple others together in one venue with a prestigious joint publication. A ground-breaking public display of cutting edge digital heritage projects will also grace the conference venue at the new museum complex on the Marseille waterfront.

The Congress covers **heritage** in all its forms, focusing around **5 heritage themes**:

- Built Heritage** (sites to cities, towns and cultural landscapes, ie *World Heritage*),
- Culture & Traditions** (folklife to languages, song, dance, craft, ie *Intangible Heritage*),
- Museums & Collections** (movable objects and their museums, ie *Movable Heritage*)
- Libraries & Archives** (books to maps, audiovisual archives, ..., ie *Documentary Heritage*)
- Art & Creativity** (digital / new media art to creative digital and online culture)

Whether you are a researcher or practitioner, a cultural or digital professional, student or teacher, policy maker or vendor, we invite you to participate. Attend, submit a paper or poster, propose a panel or workshop, prepare a video or exhibit, or bring your product booth.

The Congress' International Scientific Committee is seeking:

**Technical & Application Papers**

**Posters & Short Works**

**Panel, Workshop & Tutorial Proposals**

**Videos** for a public screening

**Applications/Installations** for a public exhibition of digital heritage and digital art

Submissions are sought in 6 tracks spanning the challenges and opportunities brought by digital technology to heritage:

#### **DIGITIZATION track**

##### *Digital Documentation & Input*

Photogrammetry & image-based modeling  
3D scanning & digitization (laser, structured light, motion capture, et al)  
Remote sensing and aerial lidar  
GNSS (GPS, GLONASS, Galileo)  
Advanced document scanning  
Low-cost & gaming 3D input  
Ultra-high resolution photography  
Infrared, UV, & HDR photography  
Advanced sensor research

#### **VISUALIZATION track**

##### *Digital Presentation & Output*

Immersive and Active/Passive stereodisplays  
Real + virtual worlds (mixed/augmented reality)  
Virtualization of other senses (touch, taste, smell, sound)  
Haptic & Multimodal interaction  
Distributed VR & Local/remote rendering  
Innovative interaction systems  
Storytelling and design of heritage communications  
Usability, effectiveness and interface design  
Visual simulation of materials  
Emerging visualization technologies

#### **ANALYSIS track**

##### *Digital Content Management & Analysis*

Historic Document Analysis  
Remote Sensing Analysis (incl aerial image processing)  
Finite element, structural and other analyses  
3D modeling (CAD-based and reality-based)  
Building Information Modeling (BIM)  
3D, multimedia & GIS repositories/platforms/infosystems  
Digital Curation  
Virtual GIS and Mapping tools  
Emerging technologies

#### **POLICY track**

##### *Digital Heritage Policy & Societal Issues*

Metadata Handling & Management  
Digital Rights  
Heritage Commons / Heritage Consortia  
Cultural Analytics  
Heritage at Risk  
E-libraries  
Digital Humanities  
Virtual Reconstruction Issues  
Realism and Interpretation in CH  
Born digital content issues

#### **PRESERVATION track**

##### *Digital Preservation & Standards*

Metadata Handling & Management in Heritage  
Requirements and policies  
Trusted digital repositories / OAI  
Institutional Repositories  
Semantic Web in CH  
Long term storage and persistence  
Data formats and compression for preservation

#### **PROJECTS track**

##### *Digital Heritage Solutions & Best Practices*

*Integrated solutions and best practices in:*  
Virtual documentation  
Virtual heritage  
Virtual restoration & conservation  
Virtual archaeology  
Virtual museums & exhibitions  
Multimedia valorization  
Serious Games for heritage

A rich array of Panels, Workshops and Special sessions are being organized by the many federating event chairs. Selected submissions will also be invited by the federated event chairs to participate in relevant special sessions.

Works can be submitted around one or more heritage themes and technical tracks. Submissions may be theoretical or applied but must be *original, innovative and previously unpublished*.

All papers will be double-blind peer-reviewed by at minimum 3 referees from the Intl Scientific Committee. Every submission will have at least one technical and cultural reviewer to ensure a rich diversity of accepted works spanning both technology and the humanities. A two-volume publication is being produced in collaboration with IEEE and Eurographics. Selected papers will be republished in a number of prestigious journals to be determined, including the ACM Journal on Computers in Cultural Heritage. Note that since this is a joint World Congress, you need to submit only once to be considered for the integrated joint proceedings of all affiliated events. VSMM & Archeologica 2.0 will also award best paper prizes, while Archeovirtual & V-MUST will award best virtual museums.

See the Congress website [www.digitalheritage2013.org](http://www.digitalheritage2013.org) for full details on submission types and requirements and deadlines. For further information [info@digitalheritage2013.org](mailto:info@digitalheritage2013.org)

#### **Key Deadlines:**

**Jun 9 - Abstract (mandatory for all papers); Panel / Workshop /Tutorial proposals due**

**Jun 16 - Full Papers, Short Papers due** (notification July 28)

**July 28 - Exhibits proposals due** (notification Sept 1)

**Aug 4 - Opening of Early Registration**

**Sept 15 - Final Camera Ready due** for accepted works

