



CALL FOR PAPERS
ArtTech09
International Workshop
on
Advanced Technologies & Techniques for Cultural Heritage Documentation
and Analysis
1 –2 June, 2009
Cairo, Egypt

Organized by
Center for Documentation of Cultural and Natural Heritage (CULTNAT), Bibliotheca
Alexandrina – Egypt, www.cultnat.org
&
InfrArtSonic, EU-funded Project INCO-CT-2005-015338 www.infrArtSonic.org

The conservation science is a scientific field involving contributions from many and different scientific disciplines. Advanced technologies are being developed for the analytical investigation of objects contributing multivariate data for the documentation or completion of historical and archaeological data. State of the art data and information processing and management systems are solicited to optimally merge and cross-evaluate the information that may be potentially revealed / derived from the acquired and stored pertinent data after the combination of methods and techniques from the different scientific fields. Research work is performed within this field combining optimal data acquisition, processing and management, associated with the development of novel – integrating techniques and methods targeting to a multidisciplinary approach and providing integrated solutions.

The main objective of ArtTech2008 is to bring together experts from the different disciplines working on the documentation and analysis of cultural heritage

components. Topics considered include, but not limited to, the following:

- Data acquisition technologies
- Non-Destructive analytical techniques for the study of the composition and decay of cultural heritage components
- Authenticity and authentication of cultural heritage
- Standards, metadata, ontologies and semantic processing in cultural heritage
- Management of heritage knowledge and data
- Visualization for cultural heritage
- Special case studies relating to the technology applied to cultural heritage

Submission of Papers:

We consider research papers written in English maximum of 6 pages according to the IEEE format <http://www.infrartsonic.org/conference/Cairo/index.htm>

Papers should be sent by email to:

Organizing Committee Chair
Hania Salem, hasalem@mcit.gov.eg

Important Dates:

Paper submission: March 20th, 2009
Acceptance notification: April 13th, 2009
Camera ready copy due: April 30th, 2009

Invited Speakers

To be announced

Conference Chairs

Fathi Saleh,
CULTNAT – Egypt,
fsaleh@mcit.gov.eg
Georgios Sergiadis,
Aristotle Univ. of Thessaloniki – Greece,
sergiadi@auth.gr

Conference Co-chairs

Reem Bahgat, CULTNAT – Egypt
rbahgat@mcit.gov.eg
Georgios Karagiannis, ORMYLIA – Greece
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Program Committee

To be announced

Venue

Center for Documentation of Cultural and Natural
Heritage (CULTNAT)
Smart Village,
28K Cairo-Alexandria Desert Road

Registration Fees

No registration fees is applicable

Accommodation

There are several hotels around the Conference
venue, in 6th of October City or in Giza that can be
booked directly by the attendees or with the
assistance of the conference organizing committee.

About Organizers

1. Center for Documentation of Cultural and Natural Heritage (CULTNAT) is affiliated to Bibliotheca Alexandrina and supported by Ministry of Communications and Information Technology. The Center's mandate is to document the various aspects of

Egypt's tangible and intangible cultural heritage as well as its natural heritage. This involves the implementation of the national plan of action towards the documentation program, making use of the most up-to-date information technology in collaboration with the national and international specialized organizations. The Center also aims at increasing public awareness of Egypt's cultural and natural heritage using all available media as well as building capacities of professionals in the fields of conservation and documentation of cultural and natural heritage.

www.cultnat.org,
www.eternalegypt.org,
www.egyptmemory.com,
www.globalegyptianmuseum.org

2. InfrArtSonic, INCO-CT-2005-015338, aims to develop a novel and integrated non-destructive portable system for the determination of artworksTM paint layers profile in depth as well as the local distribution of the pigments in each of the paint layers. The system combines two modalities: acoustic microscopy and UV-VIS-nIR-mIR spectroscopy. Data acquired with the two modalities in the same areas of analysis are jointly processed and correlated to trace the depth profile of the paint layers (ultrasound modality) and to map the pigments in each respective paint layer (VIS-nIR-mIR spectroscopy). The final result is reconstructed as a 3D model displaying the paint structure of the artworks in the selected regions of interest of the artwork.

www.infrArtSonic.org

Conference website:

<http://www.infrartsonic.org/conference/Cairo/index.htm>

For further information, please contact:

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