

Seminar

“Diagnostic Techniques In Conservation Science of Works for Art

Thessaloniki, February, 17, 18,19/2012

Organizing Committee

Ioannis.Stratis, Roxani.Tzimou, Georgios.Litsardakis, Georgios.Kyriakou

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P R O G R A M

Friday, February 17, 2012

15:00-16:00 *Registration*

16:00-16:45 *Wellcome, Opening Remarks*

Ioannis Mylopoulos, Rector of the Aristotle University

Nikolaos Margaris, Dean of the Polytechnic school

George Papakostas, Head of the Department of Architecture

Aimilia Stefanidou, Director of the Interdepartmental Program

Roxani Tzimou, Responsible of B Direction of the Program

I Introduction

Chair: J. Stratis, R.Tzimou

16:45-17:15 **Ioannis Stratis, Chistos Katsifas, Dimitra Lazidou**

Materials demand their techniques

17:15-17:45 **Marina Lykiardopoulou-Petrou**

The contribution of chemical analysis in Conservation progress

17:45-18:00 *Coffee Break*

18:00-18:30 **Anestis Koutsoudis**

Graphics and 3-D Digitization Technologies. Representing the Cultural Reserve

18:30-19:00 **Georgios Pavlidis**

Technologies for Management and Diffusion of the 3-D Digital information

19:00-19:30 **Georgios Kitis**

Thermally and Optically Stimulated Luminescence at the service of Cultural Heritage

19:30-20:00 **Georgios Facorellis**

Carbon-14 Dating of monuments and works of art /Contribution and problems

20:00-21:00 **Discussion**

Saturday, February 18, 2012

II Non-Destructive Techniques

Chair: G. Litsardakis, G. Kyriakou

10:00-10:30 Panagiotis Misailidis

The physicists rewrite the history. An introduction to the contribution of the physician methods of characterization in the Art and Archaeology

10:30-11:00 Sarel Shalev

What are we really looking at? XRF and neutrons diffraction analyses of Middle Bronze Age artifacts from the southern Levant

11:00-11:30 Nikolaos Kantiranis

The application of XRD on archaeological samples

11.30-12.00 Coffee Break

12:00-12:30 Kostas Fotakis

Applications of Lazer in diagnosis and nomination of works of art and monuments

12:30-13:00 Mikhail Zheludkevich

Self-healing coating as a way to extend life of metallic materials

13:00-13:30 Nikos Kalithrakas-Kontos

XRF As Diagnostic tool for works of art.

13:30-14:00 Theodoros Ganetsos

Raman Spectroscopy to study works of art from semi-precious stones

Destructive Techniques

Chair: A. Anthemidis, G. Karagiannis

16:30-17:00 Ioannis Karapanagiotis

Identification of natural organic dyes with HPLC in clothes from Mount Athos

17:00-17:30 Eleni Pavlidou

Scanning Electron Microscopy- Application in the field of cultural heritage

17:30-18:00 Alessia Andreotti

Multi-analytical approach applied to Cultural Heritage problems: revealing the painting technique of Giotto di Bondone in the mural paintings at the Bardi and Peruzzi Chapels (Santa Croce, Florence, Italy)

18:00-18:30 Discussion

18:30-19:00 Coffee Break

Destructive Techniques

Chair: K. Fotakis, N. Kantiranis

19:00-19:30 Ioannis Stratis

Introduction to Destructive Techniques

19:30-20:00 Georgios Zachariadis

Modern Analytical Techniques based on Spectrometry and atomization on plasma. Examples of archaeometric approach.

20:00-20:30 Aristides Anthemidis

The need for automatic techniques of chemical analysis in museums and conservation centres.

20:30-21:00 Final Discussion

Chair: J. Stratis, G. Karaggiannis, J. Karapanagiotis, K. Fotakis

Sunday, February 19, 2012

Post seminar tour to Xanthi