

PROGRAM

Days 1-4 Intro, Basics and Lab sessions

DAY 1

Monday 19 The first response - Imaging

09:00-09:30	Registration
09:30-10:00	Welcome to IESL-FORTH; short introduction and activities on CH, P. Pouli (IESL-FORTH)
10:00-11:00	Optics and Lasers- an introduction, D. Papazoglou (IESL-FORTH)
11:00-11:30	<i>Coffee break</i>
11:30-12:15	Optical Imaging- the seen and the unseen- Principles, K. Hatzigiannakis (IESL-FORTH)
12:15-13:00	Optical Imaging- the seen and the unseen –Case Studies, K. Melessanaki (IESL-FORTH)
13:00-14:30	<i>Lunch break</i>
14:30-14:45	Laser Safety
14:45-15:30	Photoacoustic Imaging in CH diagnostics (Intro and lab demo) G. Tserevelakis (IESL-FORTH)
15:30-16:15	<i>Participants' presentations. Discussion on aims and goals of the workshop</i>

DAY 2

Tuesday 20 The inside look- Structural diagnostics

09:30-10:15	Imaging with THz waves, A. Koulouklidis, S. Tzortzakis (IESL-FORTH)
10:15-11:00	Multi-photon imaging and microscopy in CH diagnostics, G. Filippidis (IESL-FORTH)
11:00-11:30	<i>Coffee break</i>
11:30-12:00	Information System Support for Analytical Methods, K. Doerr (ICS-FORTH)
12:00-13:00	Holographic Interferometry- the object's hidden structure- Principles & Case Studies, K. Hatzigiannakis, V. Tornari (IESL-FORTH)
13:00-14:30	<i>Lunch break</i>
14:30-15:00	Lab demo on Holographic Interferometry K. Hatzigiannakis, K. Kosma, V. Tornari (IESL-FORTH)
15:00-15:40	Lab hands-on (parallel sessions 1, 2, 3)
15:40-16:20	Lab hands-on (parallel sessions 1, 2, 3)
	<i>Visit at Knossos Archaeological Site or the Archaeological Museum of Heraklion</i>

DAY 3**Wedn. 21 The inside look - Materials analysis**

09:30-10:30	Material analysis- Spectroscopy, D. Anglos (IESL-FORTH)
10:30-11:00	Raman spectroscopy, the molecular signature, A. Philippidis (IESL-FORTH)
11:00-11:30	<i>Coffee break</i>
11:30-12:15	LIBS, the elements and their stratigraphy, P. Siozos (IESL-FORTH)
12:15-13:00	Using LIBS to access archaeological and climatic data in shell carbonates, N. Hausmann (IESL-FORTH)
13:00-14:30	<i>Lunch break</i>
14:30-15:00	Lab demo on THz imaging A. Koulouklidis, Ch. Daskalaki (IESL-FORTH)
15:00-15:40	Lab hands-on (parallel sessions 1, 2, 3)
15:40-16:20	Lab hands-on (parallel sessions 4, 5, 6)
	<i>Special Event</i>
20:00	“Graffiti in a public space: Agora Basilica of Smyrna”, Dr Burak Yolaçan, Department of Archaeology, Dokuz Eylül University, İzmir, Turkey

DAY 4**Thursday 22 Removing the unwanted material**

09:15-10:15	Aspects of the original appearance to be considered in cleaning and conservation strategies of paintings, S. Sotiropoulou (Ormylia Foundation)
10:15-10:35	Laser interaction with matter, a tailored relation, P. Pouli (IESL-FORTH)
10:35-11:00	Laser assisted removal of encrustation from stone, P. Pouli (IESL-FORTH)
11:00-11:30	<i>Coffee break</i>
11:30-12:00	Laser cleaning and spectroscopy: a synergistic approach in the conservation of a modern painting, K. Melessanaki (IESL-FORTH)
12:00- 13:00	“Architectural Azulejos: challenges in their conservation”, Dr. Sílvia Morais Pereira, Laboratório Nacional de Engenharia Civil (National Laboratory for Civil Engineering) – LNEC, Lisboa, Portugal
13:00-14:30	<i>Lunch break</i>
14:30-14:50	Open issues in laser cleaning, P. Pouli (IESL-FORTH)
14:50-15:00	Introduction to the Monument to be studied through the field campaign, K. Melessanaki (IESL-

FORTH)	
15:00-15:30	Lab demo on Multi-photon imaging and microscopy S. Psilodimitrakopoulos (IESL-FORTH)
15:30- 16:00	Lab hands-on (parallel sessions 4, 5, 6)
16:00-16:30	Lab hands-on (parallel sessions 4, 5, 6)

Key:	Invited lectures	Lectures	Lab sessions	Discussions and site-visits
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Days 5-6

In-situ Campaign

DAY 5

Friday 23 Working on site with IRIS and LMntII instruments

DAY 6

Saturday 24 Working on site with DHSPI and Diffuse reflectance instruments