

Days 4-5 HERACLES (lectures and in-situ campaigns)

DAY 4

Thursday 5

July 2018

The HERACLES project- lectures

09:30-10:00	Overview and the vision of HERACLES Project- G. Padeletti (CNR, Italy)
10:00-10:30	Climate Change impact evaluation and risk and vulnerability analysis- G. Alexandrakis (IACM-FORTH, Greece)
10:30-11:00	Development of an in-situ diagnostic protocol for quick assessment and monitoring of the weathering state and its progress on the HERACLES test beds – I. Catapano (CNR, Italy)
11:00-11:30	Towards an effective fusion of remote sensing and in-situ monitoring data for structural assessment of heritage buildings: first experiences in Gubbio and Heraklion- M. Costantini (e-Geos, Italy)
11:00-11:30	<i>Break for Coffee</i>
11:30-12:00	Development of a detailed analytical protocol for laboratory analysis for the determination of materials and their alteration for the HERACLES test beds using high resolution sophisticated state-of-the-art analysis and microscopy- A. Curulli (CNR, Italy)
12:00- 13:00	Using laboratory analytical techniques to understand materials and degradation mechanisms on monuments; The HERACLES case studies – J. Veiga (UniNova, Portugal)
13:00-14:30	<i>Break for Lunch</i>
14:30-15:00	Materials for restoration of ancient masonry- G. Montesperelli (CVR, Italy)
15:00-15:30	Synthesis, application and evaluation of new consolidating materials for the protection of Knossos selenite structural elements – K. Demadis (UoC, Greece)
15:30-16:00	Introduction and Demonstration of the HERACLES ICT platform- T. Hellmund (IOSB Fraunhofer, Germany)

DAY 5

Friday 6 July

2018

The HERACLES project- in-situ campaign at Koules

09:30-10:00	The Venetian Sea Fortress (Rocca a Mare or Koules). Building and restoration history- V. Sythiakakis, E. Georgali, K. Patedakis (Ephorate of Heraklion)
10:00-10:30	The conservation strategies on the Venetian Fortress of Koules within HERACLES, A. Psaroudaki (Ephorate of Heraklion)
10:30-11:45	On-site Demos (parallel sessions A, B, C and D)
11:45-13:00	On-site Demos (parallel sessions A, B, C and D)
13:00-14:30	<i>Break for Lunch</i>
14:00- 14:45	On-site Demos (parallel sessions A, B, C and D)
14:45-15:30	On-site Demos (parallel sessions A, B, C and D)
	Wrap up discussion, evaluation and recap on the workshop, remarks, future directions and priorities

Key:	HERACLES lectures	HERACLES demos	Lectures	Lab sessions	Discussions and site-visits
------	-------------------	----------------	----------	--------------	-----------------------------

On-site Demo A: In-situ analysis of deterioration products using portable laser spectroscopic instruments) - LIBS (IESL-FORTH)

On-site Demo B: In-situ analysis of deterioration products using portable laser spectroscopic instruments - Raman (IESL-FORTH)

On-site Demo C: Under-water acoustic surveying using swallow Side Scan Sonar (IACM-FORTH)

On-site Demo D: GPR (CNR)