

ITACA Final Conference Programme

Satellite Remote Sensing Technology in Underwater Archaeology

June 24, 2016

Hellenic Maritime Museum
Akti Themistokleous 12, Piraeus
Greece



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The Conference is hosted by the
Hellenic Institute of Marine Archaeology

The **FP7-EU ITACA** (Innovation Technologies and Applications for Coastal Archaeological sites) project aims to prove a management system for underwater archaeological sites in coastal regions. The discovering and monitoring service uses innovative satellite remote sensing techniques combined with image processing algorithms.



Friday 24th June 2016

08:30-09:00 **REGISTRATION**

09:00-09:30 **OPENING SESSION**

Session I

Chair: Christos **Agouridis**

09:30-09:50 Stelios **Bollanos (PKH)**, *ITACA – Technological and collaborative challenges*

09:50 -10:10 Alessio **Di Iorio (Alma)**, *Advancement on shape detection algorithms for underwater archaeology*

10:10-10:30 Antonio **Salvati (KELL)**, *Bathymetry estimation using satellite-based SAR observations*

10:30-10:50 Manuel J. **Fonseca (FFCUL)**, *A fuzzy approach for shape detection in complex images*

10:50-11:10 Antonio **Monteleone (NAIS)**, *Supporting coastal archaeological sites management on the web: the ITACA service web portal*

11:10-11:30 Lars **Boye Hansen (DHI-GRAS)**, *Satellite derived bathymetry from very high resolution optical data*

11:30-12:00 Coffee Break

Session II

Chair: Werner **Alpers** - Evyenia **Yiannouli**

12:00-12:20 Floriana **Agneto**, Giacomina **Brancato**, Salvatore **Emma (Sopmare)**, *Test case Egadi Islands – The ITACA experience*

12:20-12:40 Elias **Spondylis**, Myrto **Michalis**, Christos **Agouridis (I.EN.A.E.)**, *ITACA's Test Case Greece: The Pagasetikos Underwater Archaeological Research at Metohi and Glaros*

12:40-13:00 Lorenzo **Minno (Codevintec)**, *High definition technologies to investigate the seafloor. An application in archaeology*

13:00-13:20 Silvia **Ciccarelli**, Rosario **Pavone (SME4SPACE)**, *Earth observation satellite data for coastal archaeological sites*

13:20-13:40 Eutimio **Tiliacos (ANESTI)**, *The market perspective of the ITACA project*

13:40-14:00 **DISCUSSION**

14:00-15:00 Lunch



Session III

Chair: Angeliki **Simosi** - Yannis **Lolos**

- 15:00-15:20 Dimitrios **Ioannidis (PKH)**, *Management & Monitoring of underwater archaeological sites: An innovative approach*
- 15:20-15:40 George **Papatheodorou**, Maria **Geraga**, Elias **Fakiris**, Dimitris **Christodoulou**, Nikos **Georgiou**, Xenophon **Dimas (LMGPO)**, *Marine remote sensing techniques and underwater archaeology: Case studies from Greece and the Eastern Mediterranean*
- 15:40-16:00 Bjørn **Lovén (Saxo Institute, UCPH)**, *Eyes in the sky above Lechaion – Ancient Corinth's main harbour*
- 16:00-16:20 Coffee Break

Session IV

Chair: George **Papatheodorou** - Stelios **Bollanos**

- 16:20-16:40 Massimiliano **Secci**, Giorgio Pier **Spanu (UNISS)**, *The underwater archaeological world in three dimensions. Some theoretical and conceptual considerations*
- 16:40-17:00 Athos **Agapiou**, Vasiliki **Lysandrou**, Diofantos G. **Hadjimitsis (CUT)**, *Coastal heritage landscapes under marine spatial planning policy: a "forgotten layer"*
- 17:00-17:20 Nikos **Papadopoulos (GeoSat ReSeArch Lab, IMS-FORTH)**, *Mapping the cultural dynamics of littoral archaeological sites through geoinformatics: Examples from Crete, Greece*
- 17:20-17:40 Christopher **Stewart (URTV)**, *Submerged Palaeolandscape Monitoring with Sentinel-1*
- 17:40-18:30 **ROUND TABLE DISCUSSION**
- 18:30-19:00 **Documentary Short Films from the Test Campaigns in Italy and Greece**
Sopmare, ITACA - Egadi Islands Test case - Sept. 2015
I.EN.A.E., The Underwater Archaeological Research in the Pagasetikos Gulf



ITACA project is coordinated by Planetek Hellas E.P.E. (GR) and includes the following institutes and companies: Alma Sistemi Sas (IT), Anesti Ltd (UK), Codevintec Italiana Srl (IT), DHI Gras (DK), FFCUL (PT), I.EN.A.E (GR), Kell Srl (IT), Nais Srl (IT), Regione Sicilia (IT), SME4SPACE VZW (BE).



If you are interested in receiving further information,
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