



Ambasciata d'Italia  
Nicosia

*The Cyprus Institute with the support of The Italian Embassy in Nicosia presents a colloquium entitled “The Institute for technologies applied to cultural heritage (ITABC-CNR) and research activities in Cyprus: a long history of friendly, stimulating and fruitful collaboration”. The event, which will take place on Friday 11<sup>th</sup> November at 16:00 at the premises of The Cyprus Institute, is organized in the framework of the cultural, scientific, technological and educational agreement between Italy and Cyprus. Its purpose is to illustrate the longstanding cooperation between the Cyprus Institute and ITABC-CNR with a view to further strengthening it, also in the light of the auspicious reunification of the island and, consequently, of Nicosia’s urban structure.*

### **Colloquium**

**Title:** The Institute for technologies applied to cultural heritage (ITABC-CNR) and research activities in Cyprus: a long history of friendly, stimulating and fruitful collaboration

**Speaker:** Prof. Paolo Mauriello, Applied Geophysics at the University of Molise, Italy and, since 2014 Director of the Institute for Technologies Applied to Cultural Heritage of the Italian National Council of Research (CNR)

**Date:** Friday, 11 November 2016, 16:00

**Venue:** The Cyprus Institute - Events Room, Novel Technologies Building, Athalassa Campus

*\*The colloquium will be in English, the event is open to the public, light refreshments will be served after the talk.*

### **Abstract:**

ITABC-CNR - the Institute for Technology applied to Cultural Heritage, was founded in 1981 and is currently headquartered in Rome, Italy. It combines the so-called “hard sciences” with the “humanities” through the construction and refinement of a common language in research and technology for Cultural Heritage. Its main research objective addresses the knowledge, documentation, conservation, monitoring and valorization of the territory, the archaeological and architectural heritage and the intangible heritage.

The Institute defines, implements and optimizes new methodologies and technologies of analysis to develop strategies for innovative research approaches for preventive conservation and management of cultural resources.

Its activities are:

- ✓ Territorial information systems and statistical methods applied to cultural heritage;
- ✓ Reconstruction and contextualization of the archaeological landscape through GIS, remote sensing, virtual reality and multimedia;
- ✓ High resolution geological and geophysical methodologies devoted to the characterization of geological and archaeological sites and monuments;
- ✓ Cataloguing, analysis, and study of ancient coins and monetary hoards;
- ✓ Designing methodologies for the study of artifacts, with a particular emphasis on metal objects;
- ✓ Multidisciplinary studies for the analysis, documentation, evaluation, restoration, conservation, and valorization of the built heritage.

The Institute's mission, through its structure and multidisciplinary approach to scientific research, operates at national and international levels, in collaboration with public and private institutions and industrial partners for testing and improvement of processes and products.

The Institute has a long-established presence in Cyprus, with archaeological, geophysical and remote sensing scientific research projects. This report presents the results of our activities, carried out thanks to the consolidated and fruitful collaboration with local authorities and research institutions.

#### **About the speaker:**



Following a degree in Physics from the Università degli Studi di Napoli Federico II, Paolo Mauriello obtained in 1998 his PhD on Geophysics and Vulcanology from the same university with a thesis on Electromagnetic Tomography. He is Professor of Applied Geophysics at the University of Molise, Italy and, since 2014 Director of the Institute for Technologies Applied to Cultural Heritage of the Italian National Council of Research (CNR) . Previously, he pursued both an academic career developing curricula and graduate programs at the University of Molise and a researcher career at CNR focusing on geophysics applied to the archaeological research and conservation of built cultural heritage.

Paolo's main research activities regard the development and application of tomography and probability in near-surface geophysics and volcanology, with a particular focus on challenges raised by archaeological site and heritage monuments. Another major component of his research is the development of prototypes of electromagnetic portable instruments for cultural heritage research and algorithms for 3D tomography analysis of geo-electric and electromagnetic data.

**Contact:** [events@cyi.ac.cy](mailto:events@cyi.ac.cy)