



**A. POLITEIA ANALYTICAL:** Advanced laser technologies for analysis, diagnostics and conservation of Cultural Heritage materials and monuments

**B. POLITEIA CLEANING:** Laser technologies in Cultural Heritage conservation

IESL-FORTH Heraklion, Crete, Greece

Join us for an exciting journey to Crete to become acquainted with the latest developments on non-invasive optical technologies and explore their field applications in Cultural Heritage conservation

## OPTO-CH 2014 POLITEIA Series

**A. ANALYTICAL**  
JUNE 23- 27

**B. CLEANING**  
JUNE 30- JULY 04

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Further information at: [OPTOCH2013workshop.iesl.forth.gr](http://OPTOCH2013workshop.iesl.forth.gr)

### What Does it Cover?

**OPTO-CH 2014** POLITEIA thematic workshops combine lectures from experts on modern laser diagnostic and analytical techniques as well as laser conservation methodologies, with practical demonstrations and laboratory hands-on sessions. The topics covered include:

- Materials analysis with Laser Spectroscopy (LIBS, Raman)
- Optical Coherence Metrology for Structural Diagnosis
- Imaging and Mapping; multispectral, multiphoton and THz
- Laser Cleaning

### What Will You Learn?

- The general concepts & principles of operation of each technique with emphasis on their analytical & diagnostic potential
- How optical and laser technologies can be used in CH conservation on the basis of discussion on selected examples & case studies
- How these techniques have been introduced to the conservation practice at world heritage sites & monuments in Greece
- You will experience the capacities of the technologies presented in the lab (identification & characterization of pigments, salts, rocks, metals, mortars, wall paintings, adhesion cases, etc) through field tests and experiments on-site.

### Who Should Attend?

- Early- and mid- career Conservation Professionals
- Graduate students (or Undergraduate Seniors)
- Young Researchers in Cultural Heritage and Conservation Science

*The workshops could be attended individually or in combination.  
Registration at each individual workshop is necessary.*

This workshop is organised in the framework of the 'POLITEIA' (POLItimos-TEchnologia, New Technologies In the Research, Study, Documentation and Access to the Information for Cultural Heritage Objects and Monuments) research project, Action KRIPIS, project No MIS-448300 (2013SE01380035) that was funded by the General Secretariat for Research and Technology, Ministry of Education, Greece and the European Regional Development Fund (Sectoral Operational Program: Competitiveness and Entrepreneurship, NSRF 2007-2013)/ European Commission.

