

1<sup>st</sup> International Conference

# Geomatics and Restoration Conservation of Cultural Heritage in the Digital Era

22-24 May 2017, FLORENCE, IT

AUTEC - Academic Association of Topography and Cartography, SIRA - Academic Association of Architectural Restoration, and IGMI - Italian Geographic Military Institute are organizing the 1st International Conference on "Geomatics and Restoration: Conservation of Cultural Heritage in the Digital Era". The conference is supported by ISPRS (WG IV/2, WG V/1, WG V/2, WG II/8) and CIPA Heritage Documentation.



Starting from the main output coming from all technologies - 3D point clouds - a myriad of new representations are offered for planning and analysis of conservation projects, and for disseminating information about heritage sites as well as many new problems. But traditionally geomatics and restorers approach cultural heritage from different perspectives. For example, data producers often overestimate the importance of accuracy, while data users do not appreciate the importance of a correct methodology in creating a reliable survey of an architectural complex. Sharing, exchanging, and exploring new approaches, good practices, and research results in this cross-disciplinary arena between these worlds should be helpful in order to develop a common language and to share common goals. The event will consist of single-track technical sessions with oral presentations, a special session presenting the results of the Young Researchers Workshop, short multimedia presentations and a panel about "Cities of Art: Risk and Resilience".

Full information, instructions, and helpful hints for abstracts and papers can be found on [geores2017.geomaticaeconservazione.it](http://geores2017.geomaticaeconservazione.it)

#### PAPER SUBMISSION AND PROCEEDINGS

Authors should present an extended abstract, which will be blind reviewed. Accepted papers will be published in the ISPRS International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences and indexed in Scopus. Each submitted paper needs at least one paid registration fee in order to be published in the ISPRS Archives. The final full paper should be formatted following the ISPRS format, with a max length of 8 pages. Full information, instructions, and helpful hints for abstracts and papers can be found on [geores2017.geomaticaeconservazione.it](http://geores2017.geomaticaeconservazione.it)

#### REGISTRATION FEES

The regular registration fee includes: participation in the event, proceedings, coffee breaks, lunches and social dinner. The conference fee is 350 € before 04\_02\_2017 or 400 € after 04\_02\_2017 and on site.

#### PRELIMINARY WORKSHOP FOR STUDENTS

The workshop (19-21/05) is open to PhD students, postdoctoral fellows and young researchers. It is devoted to establish a first contact between geomatics and restorers, to discuss and to interchange ideas about Cultural Heritage documentation, training activities, share experiences and points of view. The workshop will take place, as the conference, at the Palazzina della Livia, in Florence. The main topic will be the processing of previously acquired data, as well the demonstrations with the most innovative instruments. However, the workshop core will be the exchange of skills and expertise among participants with different backgrounds. In the first day of the conference, a special session is reserved for the presentation of the results in order to highlight the most important raised issues. The workshop fee is 100 € before 20\_02\_2017 or 130 € before 14\_04\_2017.

#### TOPICS

1. Documentation of monumental complexes
2. The use of digital images in visible and not-visible ranges
3. Thematic data documenting pathologies, materials, decay, data georeferencing
4. Risk and resilience
5. HBIM for management and maintenance
6. Digital and physical replicas - augmented reality, virtual restoration
7. Education: courses, workshops, summer schools.... developing new professional skills
8. The relationship between recording and design processing
9. Communication

#### IMPORTANT DATES IN 2017

- 27\_01: Extended Abstract Submission  
15\_02: Notification to Authors  
20\_02: Young Researchers Workshop Standard Registration  
17\_03: Conference Early Bird Registration  
07\_04: Full Paper Submission  
14\_04: Young Researchers Workshop Late Registration  
18\_05: Conference Last online Registration  
(on site Registration will be available at the Conference Desk)  
  
19/21\_05: Young Researchers Workshop  
22/24\_05: Conference