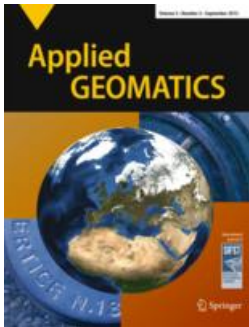


## Call for papers - Applied Geomatics

### Special Issue: Geomatics and Restoration



Geomatics and Restoration are both complementary disciplines in the field of Cultural Heritage (CH), because they are consecutive steps in the process of conservation, safeguarding and enhancement of CH.

Presently this relative complementarity finds new reasons in the notable development of geomatics technologies applied to the documentation of historical objects, monuments and sites. Range-based and image-based technologies, either terrestrial or with aerial platforms such as drones/ RPAS/ UAS/ UAV, with laser scanning and/or photogrammetric solutions, without forgetting GIS (Geographic

Information Systems) and HBIM (Historic Building Information Modelling) technologies, they all enhance the work on CH from surveying to data management and the design of future interventions.

Starting from the main output coming from all the technologies - in the form of 3D point clouds and models - a myriad of new representations is offered for planning and analysis of conservation projects, and for disseminating information about heritage sites as well as new related problems.

The contributing authors are invited to submit versions of their papers to **Applied Geomatics** - the official journal of the Italian Society of Photogrammetry and Topography (SIFET) (ISSN: 1866-9298/1866-928X) for publication in a Special Issue. The call is open to all colleagues interested in taking a step forward to cross over the anachronistic disciplinary boundaries and to establish a constructive dialogue between Geomatics and Restoration.

#### Topics

This Special Issue on Geomatics and Restoration will provide the scientific community a dedicated forum, within the prestigious Springer Journal of **Applied Geomatics**, for discussing about (but not limited to) the need of reliable metric 3D digital models, how to limit improper use of the technologies and the spread of non-verifiable models, the research of a common and shared language between the different disciplinary sectors involved and, finally, the role of the education in the spread of such concepts.

The topics covered by this Special Issue are related to the following themes:

- Risk and Resilience;
- The use of digital images in visible and not-visible ranges;
- Thematic data documenting pathologies, materials, decay, as well as data georeferencing;
- HBIM for management and maintenance - relationship between recording and design processing;
- Documentation of Monumental Complexes;
- Digital and physical replicas - augmented reality, virtual restoration;
- Education and Communication

### Manuscript Submission Information

Please submit your paper by registering and logging in to the following website:

<https://www.editorialmanager.com/agmj/default.aspx>

Please note that you are submitting the manuscript for consideration for the special issue on “Geomatics and Restoration” (Assigned Editors: G. Tucci, J. L. Lerma).

Your paper will be peer reviewed in order to ensure that high quality papers are published in the special issue.

Manuscripts can be submitted until the deadline **October 30, 2017**

Please, refer to the [Instructions for Authors](#) link in the menu section of the above mentioned webpage for additional information on how to prepare the manuscript, in order to meet the journal requirements. If you need further details, do not hesitate to contact us.

Accepted papers will be published online as soon as they will be accepted, thanks to the “online first” service of the journal.

The authors are kindly invited to inform the Assigned Editors, as soon as the paper is submitted, at the following email address: [grazia.tucci@unifi.it](mailto:grazia.tucci@unifi.it)

The Assigned Editors

Profs.

Grazia Tucci & José Luis Lerma