



2020 IMEKO TC-4 INTERNATIONAL CONFERENCE ON

METROLOGY FOR ARCHAEOLOGY AND CULTURAL HERITAGE

TRENTO, ITALY | OCTOBER 22-24, 2020

CALL FOR PAPERS *for the Special Session on* ARCHAOMETRY FOR ARCHAEOLOGY: PROVENANCING AND TECHNOLOGICAL ASSESSMENT OF ARTIFACTS FROM ARCHAEOLOGICAL SITES AND MUSEUMS

ABSTRACT

According to the modern concept, archaeometry and archaeological science correspond and refer “to the development and application in archaeology of techniques and concepts drawn from the natural sciences and engineering”. Therefore, from a service discipline to resolve archaeological issues, archaeometry became a fundamental part of archaeology itself. In this view, the present session focuses on the application of scientific methods, such as those used in mineralogy, petrography, geochemistry, geoarchaeology, geophysics and physics for the study of ancient materials from archaeological sites, historic buildings and museums: stone and lithic artifacts, ceramics, glass, mortar-based materials, pigments, metals and wood. It will guest contributions addressed to solve provenance issues, as well as aimed to characterize the construction techniques and to define the production technology of archeological findings.

Analytical methods focused on the knowledge of materials of the archaeological artifacts usually produce a large number of datasets. Therefore additional methods, such as geostatistic tools, can provide an adequate support for the management of these data. Finally, besides the characterization of materials from archaeological sites and historical buildings, an appropriate planning of preservation strategies is also required by using innovative materials and products, as well as appropriate digital documentation for a long term fruition of archaeological heritages by means of geomatics tools.

TOPICS

The themes proposed for the special issue contributes are:

- Characterization, diagnosis, dating, provenance and technology of materials from archaeological contexts and ancient architectures;
- Innovative, non-invasive and non-destructive methods for the scientific investigation of archaeological heritages;
- Study of the stability of treatments used for the conservation of cultural heritage;
- archaeology and geomatics
- archaeology and geostatistics
- archeological geophysics

ORGANIZED BY



Fabrizio Antonelli
(LAMA), University IUAV of Venice, Italy

✉ fabrizio.antonelli@iuav.it



Lara Maritan
University of Padova, Italy

✉ lara.maritan@unipd.it

SPECIAL SESSION #5

 <http://www.metroarcho.com/special-session-5>



info@metroarcho.com