



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* DAMAGE ASSESSMENT: DIAGNOSIS AND MONITORING FOR THE RESTORATION, PREVENTIVE CONSERVATION AND MAINTENANCE OF CH

### ABSTRACT

The session aims at illustrating the techniques used to study the artifacts of cultural significance, highlighting the methodologies to be applied to adequately characterize them from the physical-chemical point of view, to study new strategies and materials for their restoration and conservation, to support their critical interpretation investigating the artifact-environment interaction. At the same time, this session is also aimed at promoting and stimulating discussions among scientists from different backgrounds, involved in Cultural Heritage studies, such as geologists, mineralogists, chemists, physicians and conservation scientists.

In-depth interdisciplinary studies exploring diagnostic methods, alteration and/or deterioration phenomena, prevention and conservation treatments are encouraged, in order to offer invaluable information to archaeology, art history and conservation and to support preservation of Cultural Heritage.

### TOPICS

Topics include, but are not limited to:

- Monitoring and characterization of deterioration features of Cultural Heritage;
- New methods and instruments for the characterization of natural and artificial stone materials, diagnosis and conservation treatments;
- Forthcoming developments in conservation and restoration knowledge: nanotechnology, biotechnology, physical technologies;
- Assessment of efficiency, compatibility, reversibility of new conservation treatments and methods.

### ORGANIZED BY



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### SPECIAL SESSION #7

 <http://www.metroarcho.com/special-session-7>



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