



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* GEOMATERIALS FOR CULTURAL HERITAGE

### ABSTRACT

In the field of Cultural Heritage conservation activities, a fundamental role is played by building and restoration materials. Among these, the class of geomaterials, i.e. produced from inorganic material available in nature, is among the most important and requires a large-scale knowledge and diffusion of innovative products, analytical techniques and methods, application in the field and its performance. In this session, we want to collect all the news on the geomaterials for Cultural Heritage, from the nanoscale to the macroscale in terms of both products, characterization methods, stability and performance in situ, case study.

### ORGANIZED BY



**Marco Lezzerini**  
University of Pisa, Italy  
✉ [marco.lezzerini@unipi.it](mailto:marco.lezzerini@unipi.it)



**Stefano Pagnotta**  
University of Pisa, Italy  
✉ [stefano.pagnotta@dcci.unipi.it](mailto:stefano.pagnotta@dcci.unipi.it)

### ABOUT THE ORGANIZERS

**Marco Lezzerini** (PhD) is Associate Professor of Mineralogy and Petrology for Cultural Heritage and Environment at the Department of Earth Sciences of the University of Pisa. He took a MSc degree magna cum laude in Geological Sciences at the University of Pisa (1991) and a PhD in Earth Sciences (1992-1996) at the University of Pisa. He is involved in teaching activity on courses in the fields of petrographic and mineralogical disciplines and geo-mineralogical studies applied to the conservation and restoration of Cultural Heritage and of Environmental Mineralogy. He is an expert in Applied Mineralogy and Petrology for Cultural Heritage and Environment with an interdisciplinary experience and background in natural sciences, chemical, mineralogical and petrographic material characterisation, instrumentation and new technologies. He is involved in projects in the fields of Material Sciences, Geomaterials in Cultural Heritage, Stone conservation and Archaeometry. He is author of about one hundreds peer-reviewed publications, and as many abstracts and proceedings.

**Dr. Pagnotta** is editorial board member of Current Research in Applied Chemistry and review board member of MDPI "Minerals". Cultore della Materia in Archaeology at University of Pisa. PhD in Earth Sciences, Md in Archaeology and Bd in Conservation of Cultural Heritage. Actually, he is research fellow at Chemistry and Industrial Chemistry Dept./ Earth Sciences Dept. at University of Pisa. Visiting scientist at the Institut für Chemie in Potsdam, at the Pure and Applied Science Department University of Urbino and at the Vinča Nuclear Institute. Author of more than 50 paper in international peer reviewed journals.

### SPECIAL SESSION #2



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[info@metroarcho.com](mailto:info@metroarcho.com)