

Symposium AC02: Combining characterization techniques to understand and restore Cultural Heritage objects and sites.

(<https://www.sbpmat.org.br/22encontro/>)

SBPMAT: September 29th to October 3rd – Santos – SP - Brazil

Invited Speakers:

- Prof. Koen Janssens – University of Antwerpen
- Dr. Maria Filomena Guerra – CNRS

Cultural heritage is an extremely broad, inter and multidisciplinary area. It congregates very different professionals and students of all knowledge areas from humanities to hard sciences.

The variety of problems, objects and sites is also very broad. But the objectives are mainly an understanding of the objects and buildings, how they were made or built, which might shed light on the artists and builders and help in the conservation procedures.

A huge variety of techniques can be used, from a simple photographic register to sophisticated 2-D and 3-D scanning techniques both macroscopically and microscopically allowing macro and microanalysis. Spectroscopic techniques with particle beams, synchrotron radiation, x-ray fluorescence and diffraction can be used to better characterize the materials using both complex and large infra-structures as well as mobile instruments which can be used inside museums and historic and pre-historical sites.

The objective of this symposium is to provide a space for researchers to present and discuss their work and show some of the state of the art.

Abstract submission is open till April 8th and researchers and students are invited to submit their contributions in fields as

- 1) Characterization for restoration of cultural heritage objects and sites
- 2) Analytical and spectroscopic characterization tools:
- 3) Image characterization tools
- 4) Mobile characterization tools
- 5) Provenance studies