

## **IMPROVEMENTS OF NDT IN TESTING MURAL PAINTINGS AND BRONZES FOR RESTORATION**

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A review is here briefly outlined on non-destructive investigations, adopted as a methodological approach, for launching studies and controls on works of art, before, during and after restoration. In particular, two different categories of artefacts are here examined: mural paintings and bronze monuments.

For mural, paintings, some analytical methodologies utilized in laboratory have been adapted recently as auxiliary procedures for checking restoration with portable equipments.

Furthermore, well-known NDI, e.g. spectrophotometric measurements have found new applications beside the traditional ones, as for the Giotto paintings in the Scrovegni Chapel in Padua.

As it regards bronze monuments in outdoor exposure, the ICR Laboratories have in the last thirty years set up a standard procedure, adapted from the industrial field, for controlling their deterioration and restoration procedures.