

AVVISO DI SEMINARIO

28 Novembre 2023

ore 11.00, aula U4-07



“Unveiling the invisible: applications of spectroscopic methods for studying the intangible value of cultural heritage materials”

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Coordinator of the MOLAB@E-RIHS access platform*

Tangible cultural heritage poses interesting challenges to the field of spectroscopy because of the need to develop methods to discriminate compounds that are often mixed, layered, and altered over time, but at the same time contained in valuable and unique samples.

Much work has been done in recent decades to develop non-invasive methods that can work directly on artworks, based on elemental and molecular spectroscopy, in point mode, thus contributing fundamentally to the development of research in conservation, art history, and archaeology.

The next stage of advancement was to push toward hyperspectral applications in the macro mode, with the goal of combining the potential of chemical information obtainable from point techniques with the spatial information provided by imaging techniques.

The state-of-the-art applications of macroscale hyperspectral imaging/scanning methods will be presented by discussing cases of particular importance for their added value to the solution of challenging problems in the art-historical, codicological, and archaeological fields. Case studies will be chosen as part of the international activities of MOLAB access platform of E-RIHS, the European Research Infrastructure for Heritage Science, also to present the potential and challenges of multimodal applications.

Colleghe, studenti e tutti gli interessati sono invitati a partecipare.

Per informazioni rivolgersi a

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