

# CMD30 FisMat 2023

joint conference  
Milano - September 4-8, 2023



## 7 September 2023

### Session on Photonics for Cultural Heritage at CMD30 - FISMAT 2023

Politecnico di Milano - campus Leonardo  
Building 26, room 26.1.4, Via Camillo Golgi, 20, Milano

#### Session GS\_24: Photonics for Cultural Heritage MORNING Session

Chairman: Daniela Comelli, Politecnico di Milano – Physics Dept.

Time slot	Author	Affiliation	Title talk
10:30 - 11:00 <i>Invited talk</i>	Claudia Conti	CNR - ISPC, Milano Italy	<i>Deep Raman in Heritage Science: micro-SORS advancements</i>
11:00 - 11:15	Nicolò Guarnieri	Politecnico di Milano, Chemistry Dept. Italy	<i>Preserving colours of Urban Art Paintings: colour stability and degradation mechanisms of Ubuntu mural in Milan</i>
11:30 - 11:45	Chiara Delledonne	Arvedi Laboratory of Non-Invasive Diagnostics, University of Pavia Italy	<i>Understanding the Beethoven's creative process by analysing the ink. The non-invasive campaign on the manuscript sketchbook held at the Angelo Mai Civic Library (Bergamo, Italy)</i>
11:45 - 12:00	Alice Dal Fovo	Istituto Nazionale di Ottica - CNR, Firenze Italy	<i>Reflectance spectroscopy as a novel tool for thickness measurements of painting layers</i>
12:00 - 12:15	Chiara Lombardi	Università degli Studi di Milano Italy	<i>Preliminary analyses on the characterisation of malacofauna pigments</i>
12:15 - 12:30	Letizia Berti	Politecnico di Milano, Chemistry Dept. Italy	<i>Multimodal Hyperspectral Imaging for the study of cyanobacterial sub-aerial biofilm on carbonatic stones</i>
12:30 - 13:00 <i>Invited talk</i>	Austin Nevin	Courtauld Institute of Art, London United Kingdom	<i>Photonics for Heritage: Case studies of Easel and Wall Painting Conservation</i>

**Session GS\_24: Photonics for Cultural Heritage****AFTERNOON Session**

Chairman: Alessia Candeo, Politecnico di Milano – Physics Dept.

<b>Time slot</b>	<b>Author</b>	<b>Affiliation</b>	<b>Title talk</b>
15:00 - 15:30 <i>Invited talk</i>	Anna Piccirillo	Centro Conservazione e Restauro "La Venaria Reale" Italy	<i>The multifaceted role of conservation science in times of compelling changes: challenges and successes at the Centro Conservazione Restauro "La Venaria Reale"</i>
15:30 - 15:45	Benedetto Ardini	Politecnico di Milano, Physics Dept. Italy	<i>Multi-scalar and multi-modal imaging of complex artworks with a novel widefield hyperspectral system</i>
15:45 - 16:00	Serena Benelli	Politecnico di Milano, Physics Dept. Italy	<i>The Gallone Samples Archive: a resource for Cultural Heritage studies</i>
16:00 - 16:15	Margherita Longoni	Università degli Studi di Milano, Dipartimento di Chimica Italy	<i>Visible-induced microspectrofluorimetry for the non-invasive in situ identification of dyes in illuminated manuscripts: advantages of multivariate analysis and 3D-fluorescence</i>
16:15 - 16:30	Alessia Di Benedetto	Politecnico di Milano, Physics Dept. Italy	<i>A multi-modal approach combining Raman and photoluminescence microscopy</i>

Information and registration to the event is available here: <https://eventi.cnism.it/cmd30-fismat>For any further information on the session of Photonics for Cultural Heritage at FISMAT 2023, contact Daniela Comelli, [daniela.comelli@polimi.it](mailto:daniela.comelli@polimi.it)