

Each allocated time slot includes 5 min of questions

Preliminary program
MA-XRF 2026

Monday 28/09/2026	Tuesday 29/09/2026			Wednesday 30/09/2026			Thursday 01/10/2026			Friday 02/10/2026
Ecole Nationale Chimie de Paris Salle de vie	MNHN Verniquet Amphitheatre			MNHN Verniquet Amphitheatre			MNHN Verniquet Amphitheatre			Ecole du Louvre Michel-Ange & Goya Amphitheatres
		min								
	08:30	Registration		09:00	Session 3 - Multimodal workflow for CH Chair : Matthias Alfeld	30	09:00	Session 4 - Materials across time Chair : Koen Janssens	30	Special session dedicated to conservation restoration detailed program on the webpage of the conference
	09:10	Opening address	20	09:30	Ghaffari Mahdihyeh : Bayesian Optimization of Feature-Based Image Mosaicking for Multimodal Imaging	20	09:30	Ghigo Tea : Illuminating Replication: A Multi Modal Study of Caleb Wing's 19th Century Facsimiles of Medieval Miniatures	20	
	09:30	Invited talk Armando Solé : MA-XRF challenges and opportunities	40	09:50	Liu Lingxi : Van Gogh/Not Van Gogh: Multi- Modal Analysis of a Van Gogh "Style Painting with a Hidden Underlying Image	20	09:50	Vasco Giovanna : Colour Printmaking and Technical Innovation in 18th-century France: The Pastel Manner production of Louis-Marin Bonnet	20	
	10:10	Poster Session 1 (5 x flash presentation 4')	20	10:10	Poster Session 3 (5 x flash presentation 4')	25	10:10	Poster Sessions 5 (5 x flash presentation 4')	20	
	10:30	coffee break	30	10:35	coffee break	25	10:30	coffee break	30	
		Session 1 - Instrumental development Chair : John Delaney			Session 3 - Multimodal workflow for CH Chair : Matthias Alfeld			Session 4 - Materials across time Chair : Koen Janssens		
	11:00	Romano Paolo : Robotic MA-XRF imaging for noninvasive in situ analysis of complex three- dimensional cultural heritage objects	30	11:00	Risbud Amar : XRF/RIS data fusion through machine learning approaches for accurate identification of pigments in historical paintings	20	11:00	Groscol Lou : Mapping materials in Goupil prints using portable spectroscopic methods (HSI, XRF, FTIR...): the case of nineteenth century decorative pendants	20	
	11:30	Xu Qiong : Application and Optimization of a Robotic Arm-Based Surface-Adaptive µXRF System for Cultural Heritage	20	11:20	Pillay Ruven : A Methodology for the Integration of High-Resolution Multi-Modal Quantitative Imaging	20	11:20	De Caro Camille : MA-XRF characterization of complex lead-tin yellow formulations in an emblematic manuscript from the Raguene- Chastel collection	20	
	11:50	Tapia José : Portable large-area MA-XRF elemental imaging scanner with complementary confocal XRF depth profiling for non-invasive investigation of painted artworks	20	11:40	Londero Pablo, Fatema Khamis : A Napari- Based Approach for Multi-Analytical Imaging of Large-Scale Painted Objects	20	11:50	Session 5 - Artists' practice Chair : Francesca Gabrieli	30	
	12:10	Alfeld Matthias : Smart MA XRF Imaging of Paintings: From Exhaustive Scans to Information Driven Acquisition	20	12:00	Gerken Mareike : Holistic approaches for the qualitative and quantitative study of historical metal objects combining scanning micro-XRF and micro-CT	20	12:20	De Meyer Steven : MA-XRPD imaging of lead white subtypes to distinguish original from later additions in Old Master paintings	20	
	12:30	lunch break	60	12:20	lunch break	60	12:40	lunch break	60	
		Session 1 - Instrumental development Chair : John Delaney			Session 3 - Multimodal workflow for CH Chair : Matthias Alfeld			Session 5 - Artists' practice Chair : Francesca Gabrieli		13:30
	13:30	Villafane Maria Eugenia : IRIS: Graphical user interface for area-based registration of MA-XRF images	20	13:30	Septon Katherine : Resolution-independent image registration of MA-XRF images of paintings using implicit neural representations	20	13:40	Geert Van der Snickt : Reading Through Overpaint: Tracing the Original Gilded Brocades in the Ghent Altarpiece using MA-XRF/MA-XRPD	20	Lunch break
	13:50	Janssens Koen : Making virtual paint cross sections: local high-resolution X-ray micro-CT of (entire) paintings	20	13:50	Tazzioli Astrid : Multimodal fusion of MA-XRF and 2D-IBA spectroscopic data with optical data "Application to the study of the stained-glass windows at the Church of Saint-étienne-du- Mont"	20	14:00	De Keyser Nouchka : A collaboration at work(?) Frans Hals' Portrait of a Married Couple, Probably Isaac Abrahamz Massa and Beatrix van der Laen examined with MA-XRF and RIS.	20	
	14:10	Tranchant Laurent : Multimodal and centimetric scale analysis of ancient materials in the PUMA beamline at Synchrotron SOLEIL	20	14:10	Delaney John : A study into virtually restoring the faded greens in Vermeer paintings using results from X-ray fluorescence and reflectance imaging spectroscopies.	20	14:20	Radpour Roxanne : Simeon Solomon's materials and technical painting approaches: revelations through multi-modal imaging and applications of new data science algorithms	20	
	14:30	Gueriau Pierre : Laboratory versus synchrotron XRF elemental mapping of large museum specimens	20	14:30	Oravec Michal : Exploring the Potential of MA- XRF for the Reconstruction of Tonality in Slovak Modern Painting at Slovak National Gallery	20	14:40	Gonzalez Victor : Coupling elemental, structural and molecular macro-scale imaging of oil paintings by Henri Matisse	20	
	14:50	Rouchon Véronique : Iron Gall Ink Bleeding during Aqueous Treatments: Assessing the Sensitivity of the Dutch Mending Test	20	14:50	Session 4 - Materials across time Chair : Silvia Centeno	30	15:00	Haddad Abed : "The paintings come first" Mapping Geography and Revision in Piet Mondrian Works between 1921 and 1942 with µ-XRF Scanning	20	
	15:10	John Gilchrist : The challenge: "RRR" optical measurements in Art Heritage Science and Conservation- Restoration	20	15:10	Gabrieli Francesca : Flesh tones obscured : assessing the detectability of Fe-based ochres in light and shadow areas.	20	15:20	Shugar Aaron & Mass Jennifer : A Multimodal Scientific Approach to the Authentication of Norval Morrisseau's Paintings	20	
	15:30	Poster Session 2 (5 x flash presentation 4')	20	15:30	Poster Sessions 4 (5 x flash presentation 4')	20	15:40	Poster sessions 6 (5 x flash presentation 4')	20	
	15:50	coffee break	20	15:50	coffee break	20	16:00	coffee break	20	
		Session 2 - Seeing beyond the surface Chair : Claudia Caliri			Session 4 - Materials across time Chair : Silvia Centeno			Session 5 - Artists' practice Chair : Francesca Gabrieli		
	16:15	Melchiorre DI Crescenzo Marta : Through Picasso's paint layers: new discoveries on Woman with a Book	30	16:10	Caliri Claudia : Material Insights into the Books of the Dead of Kha and Merit: MA-XRF and MA- XRD Imaging of Two New Kingdom Funerary Papyri	20	16:20	Van Kerckhoven Maarten : Combined MA-XRF and MA-XRPD reveals the hand of a renowned hyper-restorer on a prominent 15th c panel painting.	20	Visits
	16:45	Mindermann Simon : Mobile short-wave infrared hyperspectral imaging (SWIR-HSI) for the enhanced visualization of hidden compositions in a double portrait by Giorgio da Castelfranco	20	16:30	Buti David : Unveiling the Nature and Distribution of Egyptian Green Pigments in the Books of Kha and Merit: HSI and MA-XRF Imaging Integrated with Analytical Studies on Mock-Ups	20	16:40	Invited talk Monica Ganio : Why we do what we do: science as a tool for communication	40	
	17:05	Amato Silvia Rita : Examining Hidden Compositions through XRF Scans of the Reverse of Canvases: Two Case Studies at the Courtauld	20	16:50	Mironiuk Dobrovolskaia Sonia : Non-invasive materials investigation of the multi-layered color decoration on a Mycenaean krater from the Late Bronze Age site of Pyla- Kokkinokremos, Cyprus	20				
	17:25	Dooley Kathryn A. : The two faces of Thérèse Morbilli in the reworked painting by Edgar Degas Edmondo and Thérèse Morbilli	20	17:10	Khan Muhammad Tehmash : Integrated macro and micro analytical evaluation of historic brick architecture of Pakistan under environmental stress	20	17:20	Closing remarks	10	
	17:45	Pastorelli Gianluca : Uncovering hidden paint layers with MA-XRF, multimodal imaging and data-driven methods.	20	17:30			18:00	Orsay Museum Visit of collections		
	19:00						19:30	Workshop dinner		

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Poster sessions

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10:30	Session 1 Sponsors/Manufacturers Olivero Celia (HORIBA) : How MicroXRF analysis can support the production date estimation of painting through the study on an "Ougi-e" painting. IDIL : Fibered spectroscopy in heritage science Marta Ghirardello (NIREOS) : HERA: a novel Fourier-Transform based hyperspectral camera for Cultural Heritage diagnostics Nicolas Venjean (SPECTRAL EVOLUTION) : Ultra-high Resolution Spectroradiometer for Heritage Science Emmanuel Ancousture (BRUKER) : <i>title to come</i>	Session 3 Multimodal workflow Daimellah Sofiane : Multimodal Self-Supervised Learning for Cultural Heritage: Integrating XRF and Hyperspectral Imaging Eveno Myriam : Virtual simulation of the original appearance of oil paintings containing altered smalt Moreau Raphael : Statistical Analysis vs. Manual Interpretation in the Non-Invasive Study of 15th-Century Italian Tarot Cards Langagne Elise : Classifying medieval stained glass with portable XRF: a comparative approach Eckertz Nina : Creating a Multimodal Imaging Platform for Artworks	Session 5 Materials accross time Rochut Sophie : Contribution of portable XRF, XRD and Reflectance Imaging Spectroscopy to the study of pictorial materials in the manuscripts of La Grande Chartreuse (Grenoble, France) Alloteau Fanny : Scientific imaging analysis of an underlying painting: the case of a 17th-century painting from the Church of Saint-Nicolas in Bonneuil-les-Eaux Ioanna Vasiliki Patakiouta : Spatial and Thickness Analysis of Gold Leaves in Post-Byzantine Icons using MA-XRF Lore Troalen : Non-invasive, multi-modal investigation of four Indian paintings from the Mughal period Pagnoux Loïc : From sampling to in situ methodology: complementary spectroscopies for painted metals characterisation
15:30	Session 2 Instrumental development Thoury Mathieu : Documenting material transformation in fossil systems through luminescence-based contrast (P1) Alfeld Matthias : The Value of Inverse Compton X-Ray Sources for Cultural Heritage Analysis: First Results from Smart*Light Fromager Julie : Hyperspectral imaging coupled with 3D recording as a tool for the preventive conservation of historic residences Gergios Kantas : Revealing hidden layers in Greek Orthodox religious icons Eva Luna Ravan : Integrating 2D and 3D X-ray Imaging Spectroscopy for Non-invasive Investigation of Degradation in Pictorial Artworks	Session 4 Materials accross time Gallo Giulia : Characterizing exogenous manganese in blue calcined archaeological bone: multi-analytical imaging approach Mangani Simi Maria Emilia : Integrated pXRF and MA-XRF Analysis of Glazed Tiles from the Dome of the Rock (Jerusalem) Uhlir Katharina : The use of MA-XRF and multiband imaging for the investigation of the enamel plates of the Viennese Imperial Crown José Tapia : Beyond 2D: in situ investigation and 3D reconstruction of polychrome sculptures combining portable XRF with structured-light scanning, XRR, VIS/UV imaging and OM.	Session 6 Artist practice Bruckman De Renstrom Kinga : Two landscapes signed "Corot": a restoration supported by MA-XRF imaging Vercruysse Lowie : Studio Rubens @KMSKA: Complete MA-XRF Imaging of a Monumental Altarpiece by Peter Paul Rubens Samaniego Jiménez Irene : The beauty of the little things: A Systematic Non-Invasive Multiband Imaging (MBI) Preliminary Study of Picasso's Early Academic Paintings Hao Pengxiao : Zooming into Christoforos Savva's colors and brushstrokes: multi-modal non-invasive analysis of seven artworks from 1957 to 1967 Stéphanie Courtier : Combining marked white and MA-XRF for gilded woodworks restoration