



European Materials Research Society

2023 Spring Meeting May 29 | June 2

40th Anniversary

Congress & Exhibition Centre, Strasbourg, France

SYMPOSIUM U

Merging voices in Cultural Heritage: protection through innovation in materials and methods

Symposium Organizers:

Anne BOUQUILLON, C2RMF, Paris, France

Giuseppina PADELETTI, CNR, Rome, Italy

João Pedro VEIGA, Universidade Nova Lisboa, Portugal



Thursday June 1

U01

Techniques and Methods for a deeper knowledge of CH

Chairperson(s) : PADELETTI Giuseppina

Berlin (Ground floor)

10:15	2785	INV	Non-invasive (chemical) imaging of works of art – some case studies illustrating current possibilities	JANSSENS Koen
10:45	2100		Stratigraphy of ancient frescoes: a new approach with photoacoustic and SORS imaging	PISU Francesca Assunta
11:00	1339		Innovative nano-engineered formulations for the protection of frescoes from microbiological attacks	MOGLIANETTI Mauro
11:15	2339		Innovative method for provenance study: a new algorithm based on observables from high-resolution Raman spectra	CHIRIU Daniele
11:30	495		Nanostructured ZnO/CuO based chitosan hydrogel coating for the protection of cultural heritage buildings and sculptures	BASAK Sayantani

Thursday June 1

U02

World Heritage Case Studies

Chairperson(s) : BOUQUILLON Anne

Berlin (Ground floor)

13:45	1687		Turning tragedy into opportunities: analyzing the fragments of the glass artefacts of the AUB Archeological Museum shattered by the Beirut August 2020 explosion	TABBAL Malek
14:00	1384		Mortars from the Monastery of Santa Maria de Alcobaça, in Portugal: characteristics and functions	VEIGA João Pedro
14:15	1756		Preservation of Bush Hammering Granite Ashlars of Casa de Mateus Palace Complex Chapel (Vila Real, Galicia-North Portugal Euroregion)	LÓPEZ Ana J.

14:30

1559

Cleaning the Sydney Harbour Bridge:
comparison between femtosecond and
nanosecond pulse lasers

BRAND Julia

Thursday June 1

U03

Poster Pitch

Chairperson(s) : VEIGA João Pedro

Berlin (Ground floor) - 4.30 p.m to 6.30 p.m

01_722	Mineral and Synthetic Ultramarine: Characterization study of commercial pigments towards their discrimination	VOURLIAS Georgios
02_1421	An introductory archaeometric study of Gharb Al-Andalus Ceramics from Setúbal (Portugal)	VEIGA João Pedro
03_1537	Consumed by flames: Study of a fire protocol applied to wall-painting mock-ups	MALLETZIDOU Lamprini
04_2038	Degradation study of semiconductor pigments through transient absorption	PISU Francesca Assunta
05_2090	Preliminary study on the effects of salinity on ancient paper by optical techniques	CHIRIU Daniele
06_2307	Application of femtosecond pulse laser to clean heritage marble from the Holy Samadh, India	BRAND Julia
07_2237	The materials in the 20th century art: a challenge for characterization and conservation	TOMASIN Patrizia

