

07–11 September | Funchal, Madeira Island

## 9<sup>TH</sup> SEPTEMBER

9:00am - 10:40am

### SESSION 3

#### Keynote: Aurélie Tournié

How LEDs are challenging halogen sources for hyperspectral reflectance imaging spectroscopy ?



9:00am - 09:40am

Pouyet Emeline | Aurélie Tournié | Oulfa Belhadj

Stratigraphic Unit-Based damage mapping in HBIM: A scan-to-HBIM workflow for complex stone heritage

09:40am - 10:00am

Gabriella Regina Santos Torres | Willi de Barros Gonçalves | Ana Regina Mizrahy Cuperschmid

Convergence and Collaborative Innovation: Construction Practices and Achievements of the China-Portugal Belt and Road Joint Laboratory on Cultural Heritage Conservation Science

10:00am - 10:20am

Wu Yao

Fatigue Testing of Painting-Like Samples under Transport-Induced Excitation

10:20am - 10:40am

Anthia Patsinakidou | Eva Hartlieb | Pascal Ziegler | Peter Eberhard

10:40am - 11:10 am

### COFFEE BREAK

Poster presentation

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

11:10am - 12:50am

## SESSION 3

FAIRification in Practice: From Interoperability to User-Centered Data Discovery in INFRA-ART

11:10am - 11:30am

Ioana Maria Cortea

Supervised segmentation of OCT image stacks for automated layer thickness mapping in paintings

11:30am - 11:50am

Alice Dal Fovo | Raffaella Fontana

A New Advanced Software for HSI Data Unmixing and Clustering – application to Pompeian Frescoes

11:50am - 12:10am

Andrea Campostrini | Raffaella Lamuraglia | Agnese Babini | Arianna Traviglia

Sounding the Invisible: A 3D, Multi-Analytical, and Data-Driven Reconstruction of King João IV's Musical Library at Vila Viçosa

12:10am - 12:30am

Susana Varela Flor | Milene Gil | Sara Valadas | Luís Dias | Ana Manhita | Pedro Flor | Paulo Bernardes | Filipe Brandão | Paulo Mendonça | Isabel Pires

The analytical evolution of an illuminated manuscript - from invasive microanalysis to spectral Imaging and Machine Learning

12:30am - 12:50am

Jani Monteiro | Vassilis M. Papadakis | António Candeias | Catarina Miguel

12:50am - 02:00pm

LUNCH BREAK

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

02:00pm - 03:40pm

## SESSION 4

Searching for a compatible material for future restoration of the Archaeological Park of Herculaneum: A study comparing twelve types of tuffs from Italian quarries.

02:00pm - 02:20pm

Idoia Etxebarria | Sara Puente-Muñoz | Marco Veneranda | Jennifer Huidobro | Aitor Larrañaga | Cristina Marieta | Juan Carlos Raposo | Iñaki Vázquez de la Fuente | Ilaria Costantini | Nagore Prieto-Taboada | Giuseppe Di Girolami | Ángela Di Lillo | Marina Caso | Rossella Di Lauro | Mario Notomista | Kepa Castro | Gorka Arana | Juan Manuel Madariaga

PFAS-Free Dendritic Coatings for Sustainable Protection of Stone Heritage

02:20pm - 02:40pm

Mariana Barroso | Sérgio Martins | Luís Dias | Maria Calhaco | Mafalda Costa | Ana Teresa Caldeira | José Mirão | Pedro Barrulas

Transforming Museum Storage through Sustainable Environment Management: The Lisbon Central Storage Case Study

02:40pm - 03:00pm

Aida Pereira | Mónica Moreno | Pilar Ortiz

Digital Twins for Smart, Sustainable Tourism and Cultural Heritage Preservation. New synergies towards the future of CH management in Portugal

03:00pm - 03:20pm

Nuno Correia | Márcia Vilarigues | Carla Machado | António Candeias | Teresa Reis | Pedro Nogueira | Diogo São Pedro | Mainardo Gaudenzi Asinelli | Marius Araújo | Oumaima Mesbahi | Ricardo Castro | Elisabete Pereira | Luís Sebastian | Matthias Tissot

Natural Hydrogels for Soluble Salt Removal in The Archaeological Park of Herculaneum

03:20pm - 03:40pm

Sara Puente-Muñoz | Jennifer Huidobro | Egoitz Tejedor-Suaga | Idoia Etxebarria | Iñaki Vázquez de la Fuente | Ilaria Costantini | Giulia Gorla | Marco Veneranda | Nagore Prieto-Taboada | Giuseppe Di Girolami | Angela Di Lillo | Marina Caso | Rossella Di Lauro | Kepa Castro | Gorka Arana | Juan Manuel Madariaga

03:40pm - 04:10 pm

## COFFEE BREAK

Poster presentation

# CONFERENCE PROGRAMME

PRELIMINARY



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04:10pm - 05:50pm

## SESSION 4

Experimental simulation of textiles deterioration in evolving museum environments – Initial findings

04:10pm - 04:30pm

Celia El Mouats | Anne Chabas | Anne-Laurence Dupont | Aline Petitmangin

Synthetic Dye Mixtures in Writing Inks: A straightforward analytical approach for minute samples

04:30pm - 04:50pm

Dubravka Jembrih-Simbürger | Teodora Raicu | Iva Bogdanović Radović | Zdravko Siketić | Matea Krmpotić

Determination of hydration mechanisms and kinetics of stained glass windows in atmospheric medium using dynamic vapor sorption

04:50pm - 05:10pm

Aurélie Verney-carron | Gauthier Fabre | Loryelle Sessegolo

Examining materials and deterioration in parchment manuscripts from the Great Mosque Library of Kairouan

05:10pm - 05:30pm

Claudia Colini | Giuseppe Marotta | Grzegorz Nehring | Davidson MacLaren | Sowmeya Sathiyamani | Olivier Bonnerot | Sebastian Bosch | Kyle Ann Huskin | Ivan Shevchuk | Robert Schön | Charlotte Ruhmlied | Alba Fedeli | Jennifer Griese | Agnes Weiß

Novel air purification systems based on mesoporous silica MCM-41 nanoparticles for Cultural Heritage applications

05:30pm - 05:50pm

Anna Laura Tassi | Alessia Santiglia | Monica Azzarone | Vittoria Guglielmi | Laura Santagostini

### ORGANIZATION



Secretaria Regional  
de Turismo, Ambiente e Cultura  
Direção Regional da Cultura



### PARTNERS

