

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

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

9:00am - 09:40am

**KEYNOTE: Aurélie Tournié**



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

Pouyet Emeline | [Aurélie Tournié](#) | Oulfa Belhadj

9:40am - 12:30pm

**SESSION 3: New Frontiers in Cultural Heritage Science:  
Digital, Technological and Sustainable Innovation**  
• **SESSION CHAIR – Shujoy Chakraborty**

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

09:40am - 10:00am

[Wu Yao](#) | [Peiquan Duan](#)

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

10:00am - 10:20am

[Anthia Patsinakidou](#) | [Eva Hartlieb](#) | [Pascal Ziegler](#) | [Peter Eberhard](#)

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

10:20am - 10:40am

[Ioana Maria Cortea](#)

10:40am - 11:10 am

**COFFEE BREAK**

Poster session

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

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

11:10am - 11:30am

[Alice Dal Fovo](#) | Raffaella Fontana

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

11:30am - 11:50am

[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

11:50am - 12:10pm

[Jani Monteiro](#) | Vassilis M. Papadakis | António Candeias | Catarina Miguel

Project DT4SST-CH.PT - Digital Twins for Smart, Sustainable Tourism and Cultural Heritage Preservation. New synergies towards the future of CH management in Portugal

12:10pm - 12:30pm

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

12:30pm - 02:00pm

**LUNCH BREAK**

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

02:00pm - 03:40pm

## SESSION 4: Sustainable Conservation Materials and Environmental Management • SESSION CHAIR – Aurélie Tournié

Searching for a compatible material for future restoration of the Archaeological Park of Herculaneum: A study comparing twelve types of tufts 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

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

03:00pm - 03:20pm

[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

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

03:20pm - 03:40pm

[Celia El Mouats](#) | Anne Chabas | Anne-Laurence Dupont | Aline Petitmangin

03:40pm - 04:10pm

COFFEE BREAK

Poster session

# CONFERENCE PROGRAMME

PRELIMINARY



07–11 September | Funchal, Madeira Island

04:10pm - 05:30pm

## SESSION 5: Analytical Approaches to Conservation Challenges • SESSION CHAIR – Ludovic Bellot-Gurlet

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

04:10pm - 04:30pm

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

04:30pm - 04:50pm

Aurélie Verney-Carron | Gauthier Fabre | Loryelle Sessegolo

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

04:50pm - 05:10pm

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

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

05:10pm - 05:30pm

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

### ORGANIZATION



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



UNIVERSIDADE  
DE ÉVORA



LABORATÓRIO  
**HERCULES**  
HERANÇA CULTURAL, ESTUDOS E SALVAGUARDA



**IN2PAST**  
PATRIMÓNIO | ARTE | SUSTENTABILIDADE | TERRITÓRIO



GHENT  
UNIVERSITY

### PARTNERS

