



HSAcademy

1st Doctoral
Summer
School

13-16 July 2021

draft programme



EXCELLENCE IN HERITAGE SCIENCE FOR CONSERVATION AND COLLECTION CARE RESEARCH AND ACCESS

Day 1

Welcome address by the HS Academy - DSS Coordinator

Rocco Mazzeo, University of Bologna (IT)

What IPERION HS is

Jana Striova, National Research Council, INO (IT)

Modelling of decisions in preventive conservation

Matija Strlič, University of Lubljana (SI)

Translating conditions into numbers - On the way to the green museum

Stefan Simon, Rathgen-Forschungslabor (DE)

Analysis of environmental data in museums with free software and hardware

Josep Grau-Bove, University College London (UK)

The analytical techniques of palaeontology

María Isabel Sarro Moreno, Centro Nacional de Investigación sobre la Evolución Humana (ES)

The study of ancient DNA

Magnus Lundgren, SciLifeLab (SE) & Mariaelena Fedi, National Institute for Nuclear Physics (IT)

NIR hyperspectral imaging (HIS) applied to the identification and spatial location of collagen in archaeological bones

Rocco Mazzeo, University of Bologna (IT)

Day 2

What can proteins tell us about Heritage

Caroline Tokarski, University of Bordeaux (FR)

Integrated studies of the use and circulation of prehistoric materials such as colouring matter and ivory

Ina Reiche, National Scientific Research Centre (FR)

Possibilities and limitations of provenance determination of archaeological metal objects

Ernst Pernicka, Curt Engelhorn Center for Archaeometry (DE)



In-situ electrochemical impedance spectroscopy for the study of metallic cultural heritage

Emilio Cano, Superior Council for Scientific Research (ES)

Investigating heritage with ions and neutrons: fundamentals and hands-on applications

Thomas Calligaro, Centre for Research and Restoration of the Museums of France (FR) & Zsolt Kasztovszky, Budapest Neutron Center (HU)

Optical Coherence Tomography for planning and monitoring of conservation of paintings

Piotr Targowski & Magdalena Iwanicka, University of Toruń (PL)

Day 3

Non-invasive and portable X-rays methods for Arts and Archaeology

Paolo Romano, National Research Council, ISPC (IT)

Advanced spectroscopies and data processing methods for the investigation of paintings

Silvia Prati & Giorgia Sciutto, University of Bologna (IT)

Spectral imaging and machine learning aided data processing for history and conservation research

Haida Liang, Nottingham Trent University (UK)

Unveiling the composition of historical plastics through non-invasive reflection FT-IR spectroscopy in the extended near- and mid-Infrared spectral range

Francesca Rosi, National Research Council, SCITEC (IT)

Virtual tour (to be finalised)

Day 4

Photodegradation of heritage objects

Tomasz Lojewski, AGH University of Science and Technology (PL)

Multiple scientific approaches to artefacts recovered from the Rooswijk shipwreck

Gill Campbell, English Heritage (UK)

The experimental study of paper

To be finalised (CRC-MNHN)

Conclusive remarks by the HS Academy -DSS Coordinator

Rocco Mazzeo, University of Bologna (IT)





HS Academy

<http://www.iperionhs.eu/academy-events/>

