

INTERNATIONAL SUMMER SCHOOL 2021

Digital Strategies for Endangered Cultural Heritage

Forthcoming INTERSPECIES

06TH-11TH SEPTEMBER, 2021 - ONLINE E-LEARNING

The fragmentation of scientific disciplines operating on Cultural Heritage highlights the centrality of an international collaboration to enhance the training of Integrated profiles, as INTERSPECIES, made aware of the integrated process of managing and planning programs of identification, quantification, intervention, and safeguard on Cultural Heritage frameworks in Europe.

OBJECTIVES

The school aims to promote the development of an integrated awareness and interdisciplinary skills between Young Researchers from the shared experiences of European institutions, brought in the school by the international organizing team of Expert Researchers and by the Invited Lecturers that will contribute with:

- **holistic knowledge** from the sharing of **international best practice cases** related to documentation, conservation, and promotion processes for Cultural Heritage, focusing on the centrality of integrated skills and disciplines of Cultural Heritage **survey, analysis and preservation**.
- **basic skills** in **integrated technologies**, computing methods, tools for the survey and analysis of Cultural Heritage safety, **principles of interaction** between conservation purposes and Cultural Heritage **social and marketing opportunities** based on digital databases and Digital Twins.
- coordination skills, **research team building**, and ability to construct opportunities of research integration on monitoring tools and methods for the management and promotion of Cultural Heritage, in particular in expeditious conditions.

WHO?

Ph.D. Students, Researchers, Professionals, Postgraduate and Master degree candidates in **Architecture, Engineering, Heritage Sciences, Economies and Social Sciences** related to Cultural Heritage and Endangered Heritage are welcomed.

Basic expertise in architecture and engineering, digital data, as well as involvement in administration policies, promotion practices, and management programs on Cultural Heritage sites are suggested.

WHAT?

Advanced skills on digital platforms and tasks for Cultural Heritage will be given during the School, within open lectures on Cultural Heritage best practices and technical demonstrations on Cultural Heritage digital data workflows. Some demonstrations will regard:

- Non-invasive damage mapping from point clouds
- Information database systems and GIS territorial platforms
- City Information Modelling from Open Access data
- On-site restoration experiences and activities in the professional sphere
- VR smart fruition for Cultural Heritage
- Prevention and recognitory activities in emergency sites.
- Crowdsourcing data collection for heritage monitoring by the communities

HOW?

In the Summer School, each group will be assigned to an international Cultural Heritage site, e.g. interested in UNESCO practices or national/European programs. For each site, the following key points will be developed within peer-learning sessions and working group activities:

- **Site analysis and Safeguarding Objectives**
- **Knowledge and Intervention purposes**
- **Methods and application of documentation data within Digital Strategies**
- **Project, conservation, marketing, and promotion opportunities within EU**

Each participant will be included in an international working group, supporting its background with the new skill presented in the Summer School to shape a common experience of Cross-Fertilization of competence to project intervention and preservation measures for Cultural Heritage.

Personal knowledge from students, experimentation on presented technical practices from Ph.D. lecturers, cutting-edge suggestions from Experienced Researchers will be integrated into the team working activities.

The team working activities will be guided by the supervision of selected tutors, and they will be revised by the organizing committee of the Summer School.

The final assignment of each group will be presented on day 6. It will reflect the development of the research key points for each Cultural Heritage site, within a presentation that can include multisource information and elaborates, such as multimedia, digital drawings, 3D models, application of design programs, social and marketing strategies.

SCIENTIFIC COORDINATOR INTERSPECIES NETWORK

Sandro Parrinello

University of Pavia

ORGANIZING COMMITTEE

Raffaella De Marco

University of Pavia

Sandro Parrinello

University of Pavia

Katrin Beyer

Ecole Polytechnique Fédérale de Lausanne

Sorin Hermon

The Cyprus Institute

Luís Manuel Palmero Iglesias

Universitat Politècnica de València

Izabella Parowicz

Europa-Universität Viadrina

Ernst Rank

Technical University of Munich

Jolanta Sroczynska

Cracow University of Technology

SCIENTIFIC COMMITTEE

Maurizio Marco Bocconcino

Politecnico di Torino

Elisa Bonacini

IDEx, University of South Florida

Francisco Javier Cárcel Carrasco

Universitat Politècnica de València

Chiara Casarotti

EUCENTRE

Stefan Kollmannsberger

Technical University of Munich

Marco Morandotti

University of Pavia

Assunta Pelliccio

University of Cassino and Southern Lazio

Andrea Penna

University of Pavia

Giammarco Piacenti

Piacenti SpA

Francesca Picchio

University of Pavia

Alessandro Reali

University of Pavia

Cettina Santagati

University of Catania

Massimiliano Savorra

University of Pavia

INSCRIPTIONS DEADLINE **25TH JULY 2021**

FREE ATTENDANCE
ON-LIVE EVENT

MANDATORY INSCRIPTION

https://docs.google.com/forms/d/e/1FAIpQLSeAyRfD4l9i88bmJmgA8-Q2O184hy4b9VuNONBdTTXuoGehbfw/viiewform?usp=sf_link



SCAN ME

3 ECTS

EXTRA ACTIVITY (2 ECTS) CAN BE FOLLOWED BY STUDENTS:

A PAPER ON THE FINAL ASSESSMENT, WHICH WILL BE INCLUDED IN THE SCHOOL HANDBOOK (SCIENTIFIC PUBLICATION WITH ISBN)

PARTNERS AND FACILITIES



EUCENTRE
FOR YOUR SAFETY.



SOCIAL CHANNELS

FACEBOOK

@INTERSPECIESSchool

<https://www.facebook.com/INTERSPECIESSchool>

INSTAGRAM

IG Profile: interspecies_school

FOR CONTACT AND FURTHER INFORMATION

interspecies.school@gmail.com