

PhD Day AIAr

Programme



UNIVERSITÀ DELLA CALABRIA

8:30–9:00 Registration

9:00–9:30 Institutional greetings

Session 1 – Guardians of the Upside Down: Conservation and Data Science

Chair: Giacomo Fiocco, Federica Balistreri

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| 9:30–9:50 | Lamolinara | Active monitoring as the first level of the diagnostic process in preventive conservation |
| 9:50–10:10 | Zicarelli | Sustainable mortars with the incorporation of Powdered Olive Stone for the conservation of Cultural Heritage |
| 10:10–10:30 | La Mela | From method to data. Designing a research-driven database for Difficult Heritage |
| 10:30–10:50 | Meccia | AIM (Adaptive Intelligence for Museology):
An Adaptive Chatbot for the Archaeological Collection of the Museo Irpino di Avellino |

10:50–11:10 Coffee Break

Session 2 – CSI: Diagnostics and Characterization of Materials

Chair: Cristina Maria Belfiore, Kateryna D'Ayala

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| 11:10–11:40 | Biscotti | Electrochemical Dating of Silver Coins Using Solid State Voltammetry |
| 11:40–12:00 | Di Fusco | μ -XRF as a screening tool for the archaeometric investigation of Late Antique glass: a pilot study from the Castrum of Metaponto |
| 12:00–12:20 | Palumbo | Coloring the Past: A Multidisciplinary Approach to the Polychromy of Selinunte |
| 12:20–12:40 | Squicciarini | Tracing Pottery Production Practices at the Prehistoric Site of Colombare di Villa |
| 12:40–13:00 | Cesareo | Hyperspectral Mapping of Corrosion Products on Underwater Archeological Iron Artifacts |

13:00–14:30 Lunch break

Session 3 – Heritage 3.0: Valorization and Digitization

Chair: Letizia Bonizzoni, Jacopo Orsilli

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| 14:30–14:50 | Rovedatti | Computer Vision Techniques for Degradation and Previous Intervention Mapping in Cultural Heritage |
| 14:50–15:10 | Alaimo | Towards Heritage 3.0: Exploring Carbon-Dot-Based Luminescent Materials for Museum Display |
| 15:10–15:30 | Basile | Integrating Marine Ecology and Underwater Cultural Heritage Conservation: Towards a Biodiversity-Conscious Restoration Protocol |
| 15:30–15:50 | Giordano | Safeguarding Calabria's ancient costal watchtowers: building material characterization and valorisation project |

15:50–17:00 Coffee Break + Poster Session

17:00–17:30 Awards and closing