

**Aula Magna**  
12.30-13.20 **[Plenary Lecture] Marco Martini e Anna Galli**

**Mario Milazzo: una vita con l'Archeometria**

**Aula Magna Caratterizzazione e Diagnostica (C&D)**

14:30 - 14:50 Francesca Maria Alberghina  
14:50 - 15:10 Giacomo Fiocco  
15:10 - 15:30 Rebecca Piovesan  
15:30 - 15:50 Annarosa Mangone  
15:50 - 16:10 Marta Caroselli  
16:10 - 16:30 Giuseppe Paladini

**CHAIR: Alessio Langella; Lara Maritan**

Preparatory diagnostic investigation for a restoration project of The Sala dei Venti of the Royal Palace in Palermo  
Combined non-invasive archaeometric approaches to compare violins made in 1734 by Guarneri del Gesù  
Cosmetic in the pot? Scientific studies on the contents of the so-called kohl containers from the second millennium BCE archaeological site of Estark-Joshaqan, central Iran  
Artisanal experiences in Arpi: colours and raw materials of Apulian Red Figure productions  
Between two countries: Baldassarre Fontana from Ticino to Czechia. Study of materials and techniques of Late Baroque stucco decoration  
Neutronographic investigation of the effects of different coatings applied on limestones used in cultural heritage

**Sala A Tutela e Valorizzazione (T&V)**

14:30 - 14:50 Adalberto Codetta  
14:50 - 15:10 Sara Fiorentino/Tania Chinni  
15:10 - 15:30 Chiara Germinario  
15:30 - 15:50 Mauro Francesco La Russa  
15:50 - 16:10 Martina Pini  
16:10 - 16:30 Pier Matteo Barone

**CHAIR: Donata Magrini; Francesco Izzo**

Val d'Ossola: Big History thresholds and Local Big History as a new approach to geoheritage with unprecedented didactic perspectives and geotourism opportunities  
Under a lucky star. Project SIRIUS and the contribution of applied sciences to management strategies for cultural heritage at risk  
Return to the invisible: a valorisation project of the Oscan necropolis in Cuma  
TECTONIC Project: TEchnological Consortium TO develop sustainablility of underwater Cultural heritage  
A new framework for assessing the sustainability of cultural heritage restoration work  
Forensic Archaeology against Cultural and Antiquities Crimes

**Aula Magna Caratterizzazione e Diagnostica (C&D)**

17:00 - 17:10 [BRUKER] Michele Gironda  
17:10 - 17:30 Laura Calzolari  
17:30 - 17:50 Délia Carloni  
17:50 - 18:10 Simone Dilaria  
18:10 - 18:30 Maria Pia Riccardi  
18:30 - 18:50 Anna Piccirillo

**CHAIR: Anna Galli; Vincenza Guarino**

XRF Mapping - Challenges and Solutions, the experience from industry  
Binder characterization of ancient hydraulic mortars from Trajan's aqueduct  
Advantages and Disadvantages of Automated SEM-EDS Analysis (Qemscan) in the Characterization of Archaeological Ceramic  
Redefining ancient pozzolanicity: new insights on materials and reactive processes of Roman binders  
Tracking and tracing: the reconstruction of the tangible and intangible aspects of a cultural heritage.  
Amedeo Modigliani's Woman in a yellow dress: a non-invasive study of the artist's creative process and materials

**Sala A Materiali Innovativi e Nanotecnologie per i Beni Culturali**

17:00 - 17:10 [SHIMADZU] Silvia Giordano  
17:10 - 17:30 Francesco Gabriele  
17:30 - 17:50 Maria Rita Caruso  
17:50 - 18:10 Maria Luisa Saladino  
18:10 - 18:30 Federica Antonelli  
18:30 - 18:50 Germana Barone

**CHAIR: Giuseppina Balassone; Mauro Francesco La Russa**

Species identification of materials used in cultural heritage objects in the British Museum's collection using 'ZooMS' methodology (MALDI Mass spectrometry)  
Alginate-biocide hydrogel as innovative bio-cleaning method at low environmental impact for calcareous stone artworks  
New method of removal unwanted layers from a large format oil paint  
Mesoporous silica nanoparticles for controlled release of antimicrobials in the preventive conservation  
The use of essential oils as biocides for the preservation of waterlogged archaeological wood  
A feasibility study of geopolymer materials for Sicilian Cultural Heritage applications

**Aula Magna**  
9.00-9.50 **[Plenary Lecture] Paolo Giulierini**

**The MANN, from Archaeological Museum to research center: special projects on Botany and Nutrition**

**Aula Magna Caratterizzazione e Diagnostica (C&D)**

10:20 - 10:40 Alessandro Re  
10:40 - 11:00 Sossio Fabio Graziano  
11:00 - 11:20 Melania Di Fazio  
11:20 - 10:40 Livio Pontieri  
11:40 - 12:00 Martina Bernabale

**CHAIR: Marco Martini; Chiara Germinario**

Ten years of X-ray imaging at UniTO/INFN-TO/CCR: results and perspectives  
Preliminary investigation on ancient mortars production: the archaeological site of Grotta della Dragonara (Campi Flegrei)  
HR-FESEM-EDS study of corrosion pattern in Cu-Zn based alloy  
Comparative archaeometric analysis to reconstruct the first copper smelting of Cyprus  
An archaeometric investigation of bronze arrowheads from the Siege of Motya (Sicily)

**Sala A Bioarcheologia (BIO)**

10:20 - 10:30 [THERMOFISHER] Maura Pellegrini  
10:30 - 10:50 Francesca Cortese  
10:50 - 11:10 Marco Romboni  
11:10 - 11:30 Monica Stanzione

**CHAIR: Giuseppe Paladini; Rebecca Piovesan**

Cutting-edge technology of Isotope Ratio Mass Spectrometry (IRMS) in the analysis of archaeological materials  
The identification of subsistence strategies as a valuable tool for understanding the economy of prehistoric populations: the role of ancient biomolecules  
Isotopic evidence for population dynamics in Central Italian Bronze Age  
Vegetable macro-fossils of the Ancient Bronze Village of Afragola (NA)

**Aula Magna Caratterizzazione e Diagnostica (C&D)**

12:00 - 12:10 [NETZSCH] Enea Chiarentin

**CHAIR: Rosina Celeste Ponterio; Alberto De Bonis**

Thermogravimetry: a real help for any investigation

12:10 - 12:30	Natalie Wagner/Maria Verde	New data from the archaeometric research on the architectural terracotta of Capua from the contexts of Fondo Patturelli and Alveo Marotta (VI BC - I AD)
12:30 - 12:50	Carlo Sabbarese	Characterization of Incuse and double-relief coins by ED-XRF and numismatic analysis
12:50 - 13:10	Rosarosa Manca	Non-invasive analysis of 19th-20th-century gold jewellery and maiolica: a contribution to technical art history and authenticity studies
13:10 - 13:20	[ZEISS] Silvia Contessi	Microscopy technologies for cultural heritage

<b>Sala A</b>	<b>Bioarcheologia (BIO)</b>	<b>CHAIR: Francesca Caterina Izzo; Luciana Randazzo</b>
12:00 - 12:20	Giusi Sorrentino	Molecular Gastronomy and Human Evolution: micro and nano-resolved techniques disclose the recipe for Starch Food Niche colonization
12:20 - 12:40	Annalisa Rumolo	Dietary and mobility reconstruction using stable isotope analyses for Mycenaen Greece: Portes and Mageiras
12:40 - 13:00	Chiara Lambert	When the 14C is diriment: the case of the tomb 4 inside the church of Sant'Ambrogio in Montecorvino Rovella (Salerno - Italy)

<b>Aula Magna</b>	<b>Provenienza e Datazione (P&amp;D)</b>	<b>CHAIR: Alessandro Re; Maria Luisa Saladino</b>
15:00 - 15:20	Alberta Silvestri	Late-Antique glass tesserae from Tyana (Cappadocia, Turkey): archaeometric characterisation
15:20 - 15:40	Lara Maritan	Mineralogical and microstructural analysis of Egyptian Flint to understand seasonality in the Nile valley and Western Desert (Egypt)
15:40 - 16:00	Claudia Principe	Archaeomagnetic dating of three furnaces, in the ancient settlement of San Genesisio (San Miniato, Pisa, Italy)
16:00 - 16:20	Vincenzo Castaldo/Girolamo Ferdinando De Simone	Late Roman cooking ware from the Vesuvian area: Production, typology and micro-regional supply
16:20 - 16:40	Vincenza Guarino	Multi-analytical investigation of wasters from the Tower 8/Porta di Nola refuses middens in Pompeii: Sr-Nd-isotopic, chemical, petrographic and mineralogical analyses

<b>Sala A</b>	<b>Digitalizzazione 3D e nuovi linguaggi della rappresentazione del Patrimonio Culturale (3D&amp;L)</b>	<b>CHAIR: Leopoldo Repola; Diego Di Martire</b>
15:00 - 15:10	[MICROGEO] Simone Orlandini	Le tecnologie attualmente a disposizione per la rappresentazione 3D
15:10 - 15:30	Marco Limongiello	Preserving Cultural Landscapes in South Africa: UAV Mapping of a Bokoni Archaeological Complex
15:30 - 15:50	Giusi Sorrentino	A multi-layered study of ground stone tools surface
15:50 - 16:10	Martina Basile	The use of 3D in the analysis of technological traces on prehistoric mobiliary art: The case study of Grotta delle Veneri (Apulia, Italy) and Grotta Romanelli (Apulia, Italy)
16:10 - 16:30	Angela Bosco	A drone-to-BIM application: the Insula 4-6 of Paestum
16:30 - 16:40	[ACCA SOFTWARE] Nicola Furcolo	Progetto di rilievo e digitalizzazione del Parco Archeologico del Litternum. Utilizzo di piattaforme digitali e realtà virtuale immersiva

Venerdì 30/07/2021

<b>Aula Magna</b>	<b>Caratterizzazione e Diagnostica (C&amp;D)</b>	<b>CHAIR: Francesca Maria Alberghina; Sossio Fabio Graziano</b>
9:00 - 9:10	[ASSING] Pietro Aricò	Non-destructive analyses by means of X-ray diffractometer Rigaku
9:10 - 9:30	Maria De Falco	Continuity and change in the ceramic technologies of Copper Age Campania
9:30 - 9:50	Jessica Brocchieri	The gilding technique of lead objects of the Royal Palace of Caserta studied using XRF analysis
9:50 - 10:10	Elena Mercedes Pérez-Monserrat	Ancient bricks of Padova, Northern Italy: a knowledge base loaded with technological and heritage value
10:10 - 10:30	Maria Verde	Minero-petrographic investigation on Roman pottery found in a dump in the workshop area of Cumae (Southern Italy)
10:30 - 10:40	[KONICA MINOLTA] Daniele Molina	Latest technological solutions from Konica Minolta

<b>Sala A</b>	<b>Provenienza e Datazione (P&amp;D)</b>	<b>CHAIR: Concetta Rispoli; Salvatore Schiavone</b>
9:00 - 9:20	Laura Guidorzi	Provenance of lapis lazuli rocks processed at the Bronze Age archaeological site of Shahr-i-Sokhta: first results from a multi-technique approach
9:20 - 9:40	Lucilla Fabrizi	Discriminating parameters of Phoenician Red Slip Ware vessels of the Mediterranean area
9:40 - 10:00	Giulia Ricci	Radiocarbon Dating of Historical Mortars: Discrimination of Contaminants for a More Suitable Dating Procedure
10:00 - 10:20	Francesco Izzo	Mineralogical and petrographic features of ceramic productions from the Forum of Cumae: new archaeometric data

<b>Sala A</b>	<b>Conservazione Preventiva e Restauro (C&amp;R)</b>	<b>CHAIR: Francesco Izzo; Michela Ricca</b>
11:30 - 11:50	Maria Labate	Darkening Azurite in Antoine de Lonhy paintings
11:50 - 12:10	Francesca Caterina Izzo	The challenge of training Heritage and Conservation scientists
12:10 - 12:30	Eliano Diana	The okegawa do 桶側洞 of Racconigi Castle: a multimateric archaeometric investigation

<b>Aula Magna</b>	<b>Digitalizzazione 3D e nuovi linguaggi della rappresentazione del Patrimonio Culturale (3D&amp;L)</b>	<b>CHAIR: Marco Limongiello; Celestino Grifa</b>
11:30 - 11:50	Marco Ferrante	Mobility and migration patterns with Strontium Isotope Ratio measures and 3D reconstruction
11:50 - 12:10	Sabrina Acquaviva/Margherita Pulcrano	Reading the Past through reality-based surveys: the Roman Villa of Ponticelli (Naples)
12:10 - 12:30	Francesco Gabellone	Virtual Neapolis, digital languages to draw cultural paths