

Aula Magna Plenary Lecture

12.30-13.20

Aula Magna Caratterizzazione e Diagnostica (C&D)

14:30 - 14:50	Francesca Maria Alberghina	Preparatory diagnostic investigation for a restoration project of The Sala dei Venti of the Royal Palace in Palermo
14:50 - 15:10	Domenico Miriello	Relationship among the petrographic features, the micro-hardness and the hydraulicity of plaster samples from Teotihuacan (Mexico)
15:10 - 15:30	Rebecca Piovesan	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
15:30 - 15:50	Paola Fermo	Natural dyestuffs used in textile artefacts: a multi-analytical study from reference materials towards ancient tapestries
15:50 - 16:10	Annarosa Mangone	Artisanal experiences in Arpi: colours and raw materials of Apulian Red Figure productions
16:10 - 16:30	Marta Caroselli	Between two countries: Baldassarre Fontana from Ticino to Czechia. Study of materials and techniques of Late Baroque stucco decoration

Sala A Tutela e Valorizzazione (T&V)

14:30 - 14:50	Adalberto Codetta	Val d'Ossola: Big History thresholds and Local Big History as a new approach to geoheritage with unprecedented didactic perspectives and geotourism opportunities
14:50 - 15:10	Sara Fiorentino/Tania Chinni	Under a lucky star. Project SIRIUS and the contribution of applied sciences to management strategies for cultural heritage at risk
15:10 - 15:30	Francesca Caterina Izzo	The challenge of training Heritage and Conservation scientists
15:30 - 15:50	Mauro Francesco La Russa	TECTONIC Project: TEchnological Consortium TO develop sustainNability of underwater Cultural heritage
15:50 - 16:10	Melania Di Fazio	HR-FESEM-EDS study of corrosion pattern in Cu-Zn based alloy
16:10 - 16:30	Martina Pini	A new framework for assessing the sustainability of cultural heritage restoration work

Aula Magna Caratterizzazione e Diagnostica (C&D)

17:00 - 17:10	[BRUKER] Michele Gironda	XRF Mapping - Challenges and Solutions, the experience from industry
17:10 - 17:30	Laura Calzolari	Binder characterization of ancient hydraulic mortars from Trajan's aqueduct
17:30 - 17:50	Francesca Di Turo	Characterization as a means for the archaeometric reconstruction of coin circulation in Aquileia: a study from Nerva to Theodosius
17:50 - 18:10	Simone Dilaria	Redefining ancient pozzolanicity: new insights on materials and reactive processes of Roman binders
18:10 - 18:30	Maria Pia Riccardi	Tracking and tracing: the reconstruction of the tangible and intangible aspects of a cultural heritage.
18:30 - 18:50	Anna Piccirillo	Amedeo Modigliani's Woman in a yellow dress: a non-invasive study of the artist's creative process and materials
18:50 - 19:00	[MADATEC] Davide Manzini	A non common excitation wavelengths for Imaging

Sala A Materiali Innovativi e Nanotecnologie per i Beni Culturali

17:00 - 17:10	[SHIMADZU] Valentina Pintus	The fundamental application of Py-GC/MS in Heritage Science
17:10 - 17:30	Francesco Gabriele	Alginate-biocide hydrogel as innovative bio-cleaning method at low environmental impact for calcareous stone artworks
17:30 - 17:50	Maria Rita Caruso	New method of removal unwanted layers from a large format oil paint
17:50 - 18:10	Maria Luisa Saladino	Mesoporous silica nanoparticles for controlled release of antimicrobials in the preventive conservation
18:10 - 18:30	Federica Antonelli	The use of essential oils as biocides for the preservation of waterlogged archaeological wood
18:30 - 18:50	Germana Barone	A feasibility study of geopolymer materials for Sicilian Cultural Heritage applications
18:50 - 19:10	Giuseppe Paladini	Neutronographic investigation of the effects of different coatings applied on limestones used in cultural heritage

Aula Magna Plenary Lecture

9.00-9.50

Aula Magna Caratterizzazione e Diagnostica (C&D)

10:20 - 10:40	Alessandro Re	Ten years of X-ray imaging at UniTO/INFN-TO/CCR: results and perspectives
10:40 - 11:00	Maria Verde	Minero-petrographic investigation on Roman pottery found in a dump in the workshop area of Cumae (Southern Italy)
11:00 - 11:20	Rosa Celeste Ponterio	A multivariate statistical approach of X-ray fluorescence data of Silver collection of St. Januarius Treasure
11:20 - 10:40	Livio Pontieri	Comparative archaeometric analysis to reconstruct the first copper smelting of Cyprus
11:40 - 12:00	Martina Bernabale	An archaeometric investigation of bronze arrowheads from the Siege of Motya (Sicily)

Sala A Bioarcheologia (BIO)

10:20 - 10:30	[THERMOFISHER] Maura Pellegrini	Cutting-edge technology of Isotope Ratio Mass Spectrometry (IRMS) in the analysis of archaeological materials
10:30 - 10:50	Francesca Cortese	The identification of subsistence strategies as a valuable tool for understanding the economy of prehistoric populations: the role of ancient biomolecules
10:50 - 11:10	Virginia Veltre	Biomolecular Evaluation in an Imperial Roman sample
11:10 - 11:30	Marco Romboni	Molecular Bioarchaeology: The case study of Quarto Cappello del Prete (I-III cent. CE)
11:30 - 11:50	Chiara Lambert	When the 14C is diriment: the case of the tomb 4 inside the church of Sant'Ambrogio in Montecorvino Rovella (Salerno - Italy)

Aula Magna Caratterizzazione e Diagnostica (C&D)

12:00 - 12:10	[NETZSCH] Enea Chiarentin	Thermogravimetry: a real help for any investigation
12:10 - 12:30	Natalie Wagner	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	Andrea Smeriglio	Silver plated Greek and Roman coins from the "Brettii and Enotri" museum: a non-destructive archaeometric study
12:50 - 13:10	Carlo Sabbarese	Characterization of Incuse and double-relief coins by ED-XRF and numismatic analysis
13:10 - 13:30	Martina Franchi	A non-destructive and chemometric approach for the study of the molecules of color in Portuguese postage stamps from the XIX century
13:30 - 13:40	[ZEISS] Francesco Biancardi	Microscopy technologies for cultural heritage

Sala A Bioarcheologia (BIO)

12:00 - 12:20	Alessandra Pecci	Wine Production in Roman times. Organic residue analysis of the dolia and presses from the villa of Pont del Treball (Barcelona)
12:20 - 12:40	Laura Longo	Molecular Gastronomy and Human Evolution: micro and nano-resolved techniques disclose the recipe for Starch Food Niche colonization
12:40 - 13:00	Annalisa Rumolo	Dietary and mobility reconstruction using stable isotope analyses for Mycenaen Greece: Portes and Mageiras
13:00 - 13:20	Carmen Esposito	Long-standing archaeological questions and new science-based methodologies: clarifying population dynamics and mobility in Pre-Roman Italy through a multidisciplinary approach. The case study of Fermo in the Marche region (9th-6th century BC)

13:20 - 13:40 Monica Stanzione Vegetable macro-fossils of the Ancient Bronze Village of Afragola (NA)

Aula Magna Provenienza e Datazione (P&D)

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 Genesio (San Miniato, Pisa, Italy)
16:00 - 16:20 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

Sala A Digitalizzazione 3D e nuovi linguaggi della rappresentazione del Patrimonio Culturale (3D&L)

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

Aula Magna Caratterizzazione e Diagnostica (C&D)

9:00 - 9:10 [ASSING] Gianfranco Brignoli Non-destructive analyses by means of X-ray diffractometer Rigaku
9:10 - 9:30 Marco Ricci Pulse-compression thermography of wooden inlay
9:30 - 9:50 Michela Botticelli Colorimetric characterization of ochres in a Palaeolithic flint pebble from Maschio dell'Artemisio, Latium, Italy
9:50 - 10:10 Maria De Falco Continuity and change in the ceramic technologies of Copper Age Campania
10:10 - 10:30 Jessica Brocchieri The gilding technique of lead objects of the Royal Palace of Caserta studied using XRF analysis
10:30 - 10:50 Elena Mercedes Pérez-Monserrat Ancient bricks of Padova, Northern Italy: a knowledge base loaded with technological and heritage value

Sala A Provenienza e Datazione (P&D)

9:00 - 9:20 Sossio Fabio Graziano Preliminary investigation on ancient mortars production: the archaeological site of Grotta della Dragonara (Campi Flegrei)
9:20 - 9:40 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
9:40 - 10:00 Lucilla Fabrizi Discriminating parameters of Phoenician Red Slip Ware vessels of the Mediterranean area
10:00 - 10:20 Giulia Ricci Radiocarbon Dating of Historical Mortars: Discrimination of Contaminants for a More Suitable Dating Procedure
10:20 - 10:40 Serena Barone The new Lilliput set-up for radiocarbon dating at INFN-LABEC, Florence: hardware and possible applications
10:40 - 11:00 Francesco Izzo Mineralogical and petrographic features of ceramic productions from the Forum of Cumae: new archaeometric data

Aula Magna Caratterizzazione e Diagnostica (C&D)

11:30 - 11:40 [KONICA MINOLTA] Daniele Molina Comunicazione del Colore in ambito Beni Culturali
11:40 - 12:00 Leonardo Brizi Single-sided NMR: the quasi-continuous distribution of relaxation times and the instrument setup
12:00 - 12:20 Délia Carloni Advantages and Disadvantages of Automated SEM-EDS Analysis (Qemscan) in the Characterization of Archaeological Ceramic
12:20 - 12:40 Lucilla Pronti El Greco in Italy: A multi-analytical study of the "Adoration of magi" placed at Accademia di San Luca (Rome)
12:40 - 13:00 Giacomo Fiocco Combined non-invasive archaeometric approaches to compare violins made in 1734 by Guarneri del Gesù
13:00 - 13:10 [TESTO] Antonio Pili Climate monitoring systems for the conservation of cultural assets

Sala A Digitalizzazione 3D e nuovi linguaggi della rappresentazione del Patrimonio Culturale (3D&L)

11:30 - 11:50 Marco Ferrante Mobility and migration patterns with Strontium Isotope Ratio measures and 3D reconstruction
11:50 - 12:10 Maria Laura Nappi Archaeology is in the details Design, 3D technologies and public engagement, a case study from MANN
12:10 - 12:30 Sabrina Acquaviva Reading the Past through reality-based surveys: the Roman Villa of Ponticelli (Naples)
12:30 - 12:50 Priscilla Munzi Return to the invisible: a valorisation project of the Oscan necropolis in Cuma

Aula Magna Conservazione Preventiva e Restauro (C&R)

14:30 - 14:40 [THERMOFISHER] da definite
14:40 - 15:00 Maria Labate Darkening Azurite in Antoine de Lonhy paintings
15:00 - 15:20 Anna Impallaria Macrophotography as a new diagnostics for conservation of paintings
15:20 - 15:40 Silvia Ferrarese An index for the evaluation of microclimatic conditions inside museum showcases
15:40 - 16:00 Eliano Diana The okegawa do 桶側洞 of Racconigi Castle: a multimateric archaeometric investigation

Sala A Digitalizzazione 3D e nuovi linguaggi della rappresentazione del Patrimonio Culturale (3D&L)

14:30 - 14:50 Pierpaolo D'Agostino Low cost photogrammetric data comparison for the atrium of Villa Arianna in Stabia
14:50 - 15:10 Francesco Gabellone Virtual Neapolis, digital languages to draw cultural paths
11:30 - 11:50 Fiorella Gallo Historical BIM reconstruction of Apollo Aleo Sanctum

Sala A Archeologia Forense (AF)

14:30 - 14:50 Rosarosa Manca Non-invasive analysis of 19th-20th-century gold jewellery and maiolica: a contribution to technical art history and authenticity studies
14:50 - 15:10 Rosa Maria Di Maggio Forensic Geo-Archaeology at crime scenes: from macro to micro scale analyses
15:10 - 15:30 Pier Matteo Barone Forensic Archaeology against Cultural and Antiquities Crimes