

27 MARZO 2019

9.00	REGISTRAZIONE
11.30	SALUTI E APERTURA LAVORI
12.00	LECTURE INTRODUTTIVA – CARMELO MALACRINO DIRETTORE DEL MUSEO ARCHEOLOGICO DI REGGIO CALABRIA
13.00 LIGHT LUNCH – TERRAZZA MUSEO	

14.20 – 16.40 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA

Chairs: Mauro Francesco La Russa & Susanna Bracci

14.20	L. Pronti “In situ investigation and non-invasive diagnostics to support material analyses and restauration activities within the ADAMO project of the Technological District of Cultural Heritage-DTC Lazio”
14.40	S. Raffiotta “Unveiling the colours of Morgantina. From knowledge through diagnostics to conservation, popularization and enhancement”
15.00	A. Impallaria “Judith and Holofernes: reconstructing the history of a painting attributed to Artemisia Gentileschi”
15.20	F. Modugno “Investigation of painting technique in three paintings by Giuseppe Capogrossi at the Galleria Nazionale di Arte Moderna e Contemporanea (Rome)”
15.40	T. Cavaleri “Mapping Ancient Egypt black pigments through non-invasive analyses”
16.00	C. Caggiani “Building a spectroscopic palette of the early synthetic textile dyes”
16.20	C. Principe “Absolute dating of archaeological artifact: the furnace of Piazza Mercurio in Massa (Italy)”



**SALA CONFERENZE – CONSERVAZIONE, MONITORAGGIO, RESTAURO;
& MATERIALI DELL'ARTE CONTEMPORANEA**

Chairs: Carmine Lubritto & Maria Francesca Alberghina

14.20	R. Manganelli del Fà “Diagnostic tools to preserve and enhance an archaeological site making it accessible to visitors: the case of Marino Mithraeum (Rome)”
14.40	A. Arcudi “The restoration of the St. Michael Archangel of Reggio Calabria: the contribution of technical analysis to its attribution”
15.00	P. Lucero “A sustainable strategy for microclimate characterization of museum environments for the preservation of traditional oil paintings”
15.20	L. Brizi “Portable Nuclear Magnetic Resonance: cultural heritage applications”
15.40	A. Spagnuolo “Climate and Cultural Heritage: the case study of “Real Sito di Carditello”
16.00	M. Fedi “ ¹⁴ C dating and contemporary art: the case study of Concrete Art”
16.20	F. Armetta “The mystery of “Tremiti plates wreck: insight on the nature of metal plates”

16.40 – VISITA MUSEO

18:00 – 19:45 – BUFFET IN TERRAZZA



28 MARZO 2019

9.00 – 11.00 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA
Chairs: Celestino Grifa & Mauro Francesco La Russa

9.00	M. F. Alberghina “The X-Rays imaging techniques for condition reporting of work of art involved in the temporary exhibitions”
9.20	M. Ricca “The CRATI Project: new insights on the consolidation of salt weathered stone and the case study of San Domenico church in Cosenza (South Calabria, Italy)”
9.40	A. Aquino “The physical properties of the “Panchina” calcarenite from Livorno coast (western Tuscany, Italy)”
10.00	Y. Keheyann “Recent archaeometric investigations in Kotayk region (Solak-1/Varsak), Armenia”
10.20	C. Germinario “Tomba del Banchetto per l’Eternità in the Roman necropolis of Cuma: new insights on the polychromy and production technology of decorated walls”
10.40	C. Lubritto “The new archaeometric data support the latest archaeological hypothesizes about the painted slab tombs at Paestum”

SALA CONFERENZE – PROVENIENZA E DATAZIONE & TUTELA E VALORIZZAZIONE
Chairs: Maria Luisa Saladino & Eligio Daniele Castrizio

9.00	L. Lazzarini “IL KOUROS RITROVATO Preliminary studies for reassembling the two anatomical parts of the sculpture in Parian marble from Leontinoi”
9.20	G. Buccolieri “Diagnostic procedures before restoration of the statue of Sant’Oronzo and the Roman column in Lecce – Italy”



9.40	G. Mantella "Barbed male head, so-called "Head of Porticello" 460-450 BC"
10.00	R. De Luca "The SILPI project: a system for determining the provenance of Calabrian rocks by image analysis"
10.20	G. Fiocco "I Cantieri del Suono" project: a public-private cooperation for the valorization of the violin "Piccolo" by Lorenzo Storioni (1793)"
10.40	M. Romboni "Osteobiography of the people buried in La Sassa cave: an integrated bioarchaeological approach to deepen the knowledge of local Cultural Heritage"

11.00 – 11.30 COFFEE BREAK – TERRAZZA MUSEO	
11.30 – 13.00 TAVOLA ROTONDA - L'ARCHEOMETRIA: UN VALORE AGGIUNTO PER LA VALORIZZAZIONE DEI MUSEI	
MODERATORE CARMINE LUBRITTO (PRESIDENTE AIAR)	
SPEAKER CONFERMATI: GINO MIROCLE CRISI (RETTORE UNICAL), SEBASTIANO TUSA (ASS. BB. CC. REGIONE SICILIA), DANIELE MALFITANA (DIRETTORE IBAM-CNR), MENOTTI LUCCHETTA (DIP. PRESIDENZA RICERCA SCIENTIFICA E INNOVAZIONE TECNOLOGICA-REGIONE CALABRIA), EVA DEGLI INNOCENTI (DIRETTORE MARTA), FRANCESCO TACCETTI (COORDINATORE NAZIONALE INFN, CHNET), CIRINO SALVATORE VASI (DIRETTORE IPCF- CNR), CATERINA DI GIACOMO (DIRETTORE MUMe), CARMELO MALACRINO (DIRETTORE MARC)	
13.00 – 14.20 LIGHT LUNCH – TERRAZZA MUSEO	
14.20 – 15.20 SESSIONE POSTER – TERRAZZA MUSEO	



15.20 – 16.40 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA SPETTROSCOPICA

Chairs: Susanna Bracci & Maria Francesca Alberghina

15.20	A. Piccirillo “Through the surface: investigations from X-rays to NIR of two panels by Marco D’Oggiono”
15.40	A. Smeriglio “Archaeometric study of a unicum votive object”
16.00	D. Sali “New perspectives for Molecular Spectroscopy”
16.20	J.J. Lucejko “Comparative chemical investigations of alum treated archaeological wood from different museum collections”

SALA CONFERENZE – LA DIVULGAZIONE NEI BENI CULTURALI E LA DIFFUSIONE DELLA CULTURA SCIENTIFICA

Chairs: Vincenzo Barrile & Angela Quattrocchi

15.20	E. Ferraris “Invisible Archaeology: a new Museo Egizio exhibition about archaeometry and biography of objects”
15.40	L. M. Amadori “The return of Uomini illustri to Urbino: from scientific investigations to real and virtual exhibition”
16.00	A. Galli “MOBARTECH: a mobile, interactive and participatory platform for the study, conservation and promotion of Cultural Heritage”
16.20	N. Rovella “An innovative experience of dissemination: MAGna project, on the route from Greece to Magna Graecia”

16.40 – 17.10 **COFFEE BREAK – TERRAZZA MUSEO**



17.10 – 18.30 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA -METALLI

Chairs: Sebastiano Trusso & Maria Luisa Saladino

17.10	S. Pafumi “Archeologia e Archeometria nel Museo Civico di Catania: nuova <i>evidence</i> sulla grande statuaria bronzea di età romana”
17.30	R. Filosa “Non-Destructive Archeometric Investigation on Bronze Anthropomorphic Couples as Pendants”
17.50	L. Es Sebar “An in-situ corrosion monitoring campaign of Cor-ten structure exposed outdoor”
18.10	F. Grazi “Historical metallurgy of Indian arms and armour made of wootz steel using neutron methods: a successful 10 years collaboration between neutron scientists and the museum conservation department of the Wallace Collection (London)”

SALA CONFERENZE – LABORATORI MOBILI ALL’INTERNO DEI MUSEI

Chairs: Giulia Festa & Alessio Toscano Raffa

17.10	S. Bracci “Revealing Mithras’ color with the ICVBC Mobile lab in the Museum”
17.30	F. Albertin “X-ray Computed Tomography in situ: an opportunity for Museums and Restoration laboratories”
17.50	T. Auricchio “Mobile laboratories for restoration and diagnosis projects in museum sites”
18.10	S. Pasquale “ARCA 2.0: a Web-based framework for Automatic Munsell Color Characterization for Archaeology”

18.30 – ASSEMBLEA DEI SOCI – PREMIO IMPROTA

20.30 – CENA SOCIALE



29 MARZO 2019

9.00 – PLENARY LECTURE – PIAZZA PAOLO ORSI

COSTANZA MILIANI “THE ACCESS TO MOLAB ADVANCED MOBILE ANALYTICAL INSTRUMENTATIONS: NEW OPPORTUNITIES FOR EUROPEAN RESEARCHERS IN CULTURAL HERITAGE”

10.00 – 11.00 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA

Chairs: Simone Caglio & Alessio Toscano Raffa

10.00	G. Lando “The mosaics of the Roman Domus of Villa San Pancrazio in Taormina (ME): iconographic, stylistic features and characterization of the elements”
10.20	M. Ricci “Comparison and integration of hyperspectral imaging and active thermography for the inspection of paintings”
10.40	C. Branca “A multitask study to discriminate natural, treated and synthetic emeralds”

SALA CONFERENZE – CONOSCENZA, VALORIZZAZIONE E DIVULGAZIONE DEL PATRIMONIO SOMMERSO

Chairs: Eugenio Caponetti & Maria Luisa Saladino

10.00	F. Bruno “H2020 i-MARECULTURE project: advanced virtual and augmented reality tools for improving accessibility of the underwater cultural heritage”
10.20	F. Aliotta “A modular ROV/AUV for submarine investigation and monitoring”
10.40	L. Randazzo “The apsidal fishpond of Castrum Novum (Santa Marinella, Rome, Italy): preliminary archaeometric characterization for the MaTACoS Project”

11.00 – 11.30 COFFEE BREAK – TERRAZZA MUSEO



11.30 – 12.50 SESSIONI ORALI PARALLELE

PIAZZA PAOLO ORSI - CARATTERIZZAZIONE E DIAGNOSTICA

Chairs: Carmine Lubritto & Simone Caglio

11.30	I. Vacirca “Archeometric analysis on hearth plates and combustion structures from Bronze age villages of Margi Valley”
11.50	S. Pacifico “Knowledge and extension perspectives of the Archaeological Museum of Positano between archeological excavations and restorations for the enhancement of the Roman Villa”
12.10	C. Grifa “Integrated Diagnostic Procedures on Yazılıkaya reliefs (Hattuša, Turkey)”
12.30	C. Gattuso “Cognitive methodology and diagnostic plan for cultural heritage conservation”

SALA CONFERENZE – DIGITALIZZAZIONE E RICOSTRUZIONE 3D

Chairs: Francesco Aliotta & Vincenzo Barrile

11.30	A. Toscano Raffa “Excavation of the Eastern Gate of Skotoussa, Thessaly (GR): Archaeological illustration and 3D rendering via laser scanner”
11.50	D. Giuffrida “Integrated survey methodologies for documentation and reconstruction of historical buildings: the Castel of Scalea (CS, Italy)”
12.10	M. Gargano “Use of RTI light interpolation for profilometry and 3D rendering of Cultural Heritage objects”
12.30	G. Armone “Virtual archaeology between disclosure and scientific research. The role of an expert in private companies”

13.00 – CONCLUSIONI – PREMIO MIGLIOR POSTER



SESSIONE POSTER

- P-1 E. Fiorenza, M. D'andrea, M. Musella, F. Sudano, A. Taliano Grasso, D. Barca: Geochemical characterization of glass tesserae in the Nereid Mosaic from Quartiere S. Aloe in Vibo Valentia- Calabria Italy
- P-2 S. Raffiotta, M. F. Alberghina, S. Schiavone: Investigating colours on a Hellenistic Gnathia-ware pyxis with lid from Morgantina, Sicily
- P-3 M. Cavalieri, C. Fornacelli, S. Bracci, M. Giamello, S. Landi, D. Manna: Opus Sectile Glass Fragments from the Roman Villa of Aiano-Torraccia di Chiusi (San Gimignano, Siena)
- P-4 M. L. Saladino, V. Ciaramitaro, L. Ercoli, A. Spinella, E. Caponetti: Protection of the stone of the Temple G of Selinunte. Investigation of the interactions between the substrate and the protective
- P-5 S. Caglio, A. Collina, M. Ferrari Trecate, C. Livio, F. Stringhetti: The Ico Parisi's palette: preliminary studies
- P-6 R. Yivlialin, A. Sassella, L. Raimondo, A. Galli, M. Martini: Detecting the NIR fingerprint of colours: the characteristic response of blue pigments
- P-7 M. Corradini, L. De Ferri, M. C. Caggiani, D. Manzini, G. Pojana: Characterization of powdered pigments for pictorial retouching by means of spectroscopic techniques



- P-8** F. Giacobello, V. Mollica Nardo, C. Di Giacomo, G. Anastasio, M. L. Saladino, G. Lupò, M. F. Alberghina, S. Schiavone, Franz Saija, R. C. Ponterio: San Gregorio polyptych of Antonello da Messina: a diagnostic campaign on the state of the artwork conservation
- P-9** A. Furno, F. Cilenti, C. Germinario, C. Grifa, F. Izzo, M. Mercurio, A. Langella: Preliminary contribution on the conservation state of the domus domini imperatoris Apicii built by Frederick II along the Ancient Via Appia (southern Italy)
- P-10** L. Guidorzi, A. Re, F. Picollo, F. Fantino, L. Martire, E. Belluso, G. Artioli, L. Peruzzo, S. Boesso, V. Rigato, L. La Torre, D. Carlucci, A. Lo Giudice: Ceramic forgeries aged by radiation: towards a new method for their identification
- P-11** L. Longo, P. Ricci, N. Skakun, V. Terehina, G. Sorrentino, L. Vaccari, G. Birarda, N. Cefarin, L. Tortora, C. Cagnato, S. Covalenco, T. Obada, S. Altieri, C. Lubritto: “Stone tools as bioarchives” An integrated multi-scale contextual approach
- P-12** C. Invernizzi, P. Targowski, M. Iwanicka, B. Blümich, C. Rehorn, M. Albano, G. Fiocco, T. Rovetta, M. Licchelli, D. Bersani, P.P. Lottici, M. Malagodi: Combining OCT and NMR-MOUSE techniques to study the stratigraphy of historical violins: the thickNESS project
- P-13** M. Bertasa, C. Ricci, M. Gulmini, P. Croveri, D. Scalarone: Painting materials and decay phenomena in urban art: the case of the Urban Art Museum in Turin
- P-14** A. Piccirillo, G. Ferraris di Celle, B. Ferrarato, D. Angelici, M. Borla, C. Greco, G. Racca, A. Re, A. Lo Giudice, P. Gallo, R. Boano, A. Valazza, M. Gulmini: Appearances are deceiving. The small mummy with coffin from the Museo Egizio in Torino (cat. 2247/2): many approaches to support its interpretation



- P-15** F. Parrotta, S. Bonanno, V. Mollica Nardo, G. Anastasio, E. Caponetti, M.L. Saladino, C. S. Vasi, R.C. Ponterio: Spectroscopic and thermographic surveys in the church of S. Maria delle Palate di Tusa (ME)
- P-16** V. Mollica Nardo, D. Giuffrida, V. Renda, M. A. Mastelloni, R. C. Ponterio: Raman characterization of clay masks at Archaeological Museum of Lipari
- P-17** J. Keheyan, M. Aceto, G. Eliazianc: Scientific research supporting the study of pigments and dyes in Armenian miniature painting art
- P-18** G. Sabatino, M. Di Bella, F. Italiano, M.A. Mastelloni, S. Quartieri, A. Tripodo, S. Tusa: Architectural elements from the Roman age harbor of Lipari Island (Aeolian Archipelago, Italy): petrographic evidences for the use of Fuardo stones
- P-19** V. Renda, V. Mollica Nardo, S. Trusso, R. Ponterio: pH effects on SERS active substrates prepared by Pulsed Laser Deposition
- P-20** M. T. Caccamo, D. Lombardo, S. Magazù: PEO-based nanostructured polymer systems as a cleaning agent of artworks
- P-21** S. Ferrarese, D. Bertoni, M. Leone, M. Rinaudo: Microclimatic analysis in museum showcases
- P-22** S. La Felice, T. Abebe, A. Aquino, S. Landi, M. Lezzerini, C. Principe: Geological and Cultural Heritage: dissemination experiences in Tuscany
- P-23** M. Cardinali, L. Coniglio, A. Piccirillo, C. Ricci, S. Viel: Open for restoration. Conservation as experience and shared responsibility



- P-24** A. Cammaleri: "Cromlech"" photogrammetric digital modeling of Passo Mandarini, Petralia Soprana (PA)
- P-25** D. Giuffrida, V. Mollica Nardo, M. A. Mastelloni, O. Adinolfi, R. C. Ponterio: 3D survey and modeling of masks and calyx craters of Archaeological Museum of Lipari: integration of laser and photo scanning systems"
- P-26** F. Maspero, A. Sassella, E. Sibilia, A. Galli, L. Panzeri, M. Martini: A virtual approach to historical scientific instruments
- P-27** S. Bonanno, F. Parrotta, R. C. Ponterio, V. Barrile, A. Fotia, A. Nunnari: 3D laser scanner techniques for the enhancement and virtual fruition of cultural heritage: the Church of Sant'Antonio Abate (RC)
- P-28** A. Aquino, E. Pecchioni, V. Moggi Cecchi, M. Lezzerini: The role of 3D modelling for different stone objects: from mineral to artefact
- P-29** V. Barrile, A. Fotia, G. Candela: Geomatics techniques for cultural heritage dissemination in Augmented Reality: Bronzi di Riace case study
- P-30** V. Barrile, A. Fotia, R. C. Ponterio, F. Aliotta: Submerged Heritage: Geomatics techniques and Augmented Reality

