

27 MARZO 2019

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

14.20 – 16.40 SESSIONI ORALI PARALLELE

**PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA**  
**Chairs: Mauro Francesco La Russa & Susanna Bracci**

14.20	<b>L. Pronti</b> “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	<b>M. F. Alberghina</b> “The X-Rays imaging techniques for condition reporting of work of art involved in the temporary exhibitions”
15.00	<b>A. Impallaria</b> “Judith and Holofernes: reconstructing the history of a painting attributed to Artemisia Gentileschi”
15.20	<b>F. Modugno</b> “Investigation of painting technique in three paintings by Giuseppe Capogrossi at the Galleria Nazionale di Arte Moderna e Contemporanea (Rome)”
15.40	<b>T. Cavaleri</b> “Mapping Ancient Egypt black pigments through non-invasive analyses”
16.00	<b>C. Caggiani</b> “Building a spectroscopic palette of the early synthetic textile dyes”
16.20	<b>C. Principe</b> “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 & Celestino Grifa**

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

16.40 – VISITA MUSEO

17.30 – 19:45 – BUFFET IN TERRAZZA



**28 MARZO 2019**

9.00 – 11.00 SESSIONI ORALI PARALLELE

**PIAZZA PAOLO ORSI – CARATTERIZZAZIONE E DIAGNOSTICA**

**Chairs: Maria Francesca Alberghina & Mauro Francesco La Russa**

9.00	<b>S. Raffiotta</b> “Unveiling the colours of Morgantina. From knowledge through diagnostics to conservation, popularization and enhancement”
9.20	<b>M. Ricca</b> “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	<b>A. Aquino</b> “The physical properties of the “Panchina” calcarenite from Livorno coast (western Tuscany, Italy)”
10.00	<b>Y. Keheyán</b> “Recent archaeometric investigations in Kotayk region (Solak-1/Varsak), Armenia”
10.20	<b>C. Germinario</b> “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	<b>C. Lubritto</b> “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	<b>L. Lazzarini</b> “IL KOUROS RITROVATO Preliminary studies for reassembling the two anatomical parts of the sculpture in Parian marble from Leontinoi”
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9.20	<b>G. Buccolieri</b> “Diagnostic procedures before restoration of the statue of Sant’Oronzo and the Roman column in Lecce – Italy”
9.40	<b>G. Mantella</b> “Barbed male head, so-called “Head of Porticello” 460-450 BC”
10.00	<b>R. De Luca</b> “The SILPI project: a system for determining the provenance of Calabrian rocks by image analysis”
10.20	<b>G. Fiocco</b> “I Cantieri del Suono” project: a public-private cooperation for the valorization of the violin “Piccolo” by Lorenzo Storioni (1793)”
10.40	<b>M. Romboni</b> “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 CRISCI** (RETTORE UNICAL), **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 MARRC)

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 – LA DIVULGAZIONE NEI BENI CULTURALI E LA DIFFUSIONE DELLA CULTURA SCIENTIFICA**

**Chairs: Vincenzo Barrile & Angela Quattrocchi**

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

**SALA CONFERENZE – CARATTERIZZAZIONE E DIAGNOSTICA SPETTROSCOPICA**

**Chairs: Susanna Bracci & Maria Francesca Alberghina**

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

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	<b>S. Pafumi</b> "Roman bronze statues in the Catania Civic Museum: new evidence from an archaeological and archaeometrical perspective"
17.30	<b>R. Filosa</b> "Non-Destructive Archeometric Investigation on Bronze Anthropomorphic Couples as Pendants"
17.50	<b>L. Es Sebar</b> "An in-situ corrosion monitoring campaign of Cor-ten structure exposed outdoor"
18.10	<b>F. Grazi</b> "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: Simone Caglio & Alessio Toscano Raffa**

17.10	<b>D. Magrini</b> "Revealing Mithras' color with the ICVBC Mobile lab in the Museum"
17.30	<b>F. Albertin</b> "X-ray Computed Tomography in situ: an opportunity for Museums and Restoration laboratories"
17.50	<b>T. Auricchio</b> "Mobile laboratories for restoration and diagnosis projects in museum sites"
18.10	<b>S. Pasquale</b> "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	<b>G. Lando</b> “The mosaics of the Roman Domus of Villa San Pancrazio in Taormina (ME): iconographic, stylistic features and characterization of the elements”
10.20	<b>M. Ricci</b> “Comparison and integration of hyperspectral imaging and active thermography for the inspection of paintings”
10.40	<b>C. Branca</b> “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	<b>F. Bruno</b> “H2020 i-MARECULTURE project: advanced virtual and augmented reality tools for improving accessibility of the underwater cultural heritage”
10.20	<b>F. Aliotta</b> “A modular ROV/AUV for submarine investigation and monitoring”
10.40	<b>L. Randazzo</b> “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 - DIGITALIZZAZIONE E RICOSTRUZIONE 3D

Chairs: Francesco Aliotta & Vincenzo Barrile

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

SALA CONFERENZE – CARATTERIZZAZIONE E DIAGNOSTICA

Chairs: Carmine Lubritto & Mauro Francesco La Russa

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

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. Cavaliere, 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, F. 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. Scaralone: 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. C. 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. Cammalleri: "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
- P-31** C. Malacrino, I. Vacirca, R. C. Ponterio, D. Giuffrida, S. Bonanno: Technologies at the service of promotion. 3D model, virtual restoration and augmented reality applied to MARC's collection

