

Mercoledì 29 giugno 2022

Palazzo Bo, Via VIII Febbraio 2

Orario/Time	Attività/Activity	Luogo/Location
09:00 – 11:00	Registrazioni / Registration	Aula Magna
11:00 – 11:45	Saluti istituzionali / Welcome ceremony	Aula Magna
11:45 – 12:30	Plenary lecture. "Valuation as valorizing towards sustainability: holistic impact assessment of cultural initiatives"	Lucia Marchegiani (Università Roma Tre) Aula Magna
12:30 – 14:00	Lunch break	Caffè Pedrocchi
Sessione 1. Sostenibilità nelle produzioni antiche / Sustainability in ancient manufacturing		Chair: Mauro F. La Russa, Lara Maritan
14:00 – 14:20	"Once upon a glass. Cycles, recycles and reuses of a never-ending material"	Tania Chinni
14:20 – 14:40	"The use of lime over the centuries: the complexity of the Apulian built heritage"	Giacomo Eramo
14:40 – 15:00	"Food traces from high medieval village of Nogara - Archaeometric analysis on soapstone fragments"	Dario Monaco
15:00 – 15:20	"Pyroclastic rocks in the structural mortars of Roman Nora (Sardinia). A green material for the production of sustainable concretes in antiquity"	Simone Dilaria
Sessione 2. Cambiamenti climatici e patrimonio culturale / Climate change and cultural heritage		Chair: Claudio Mazzoli, Rosa Ponterio
15:20 – 15:40	"Climate risk assessment for strengthening resilience of cultural and natural heritage in Europe"	Alessandro Sardella
15:40 – 16:00	"Assessing climate change risk to cultural assets by monitoring and quantifying the decay of heritage materials and its environmental constraints"	Luigi Germinario
16:00 – 16:20	"Degradation of venetian stone buildings threatened by climate change and land subsidence"	Gloria Zaccariello
16:20 – 17:00	Coffee break	Caffè Pedrocchi

Orario/Time	Attività/Activity	Luogo/Location
	Sessione 3. Progetto AIAR: Studio archeometrico del ciclo pittorico di Saturnino Gatti a Tornimparte / AIAR project: Archaeometric study of Saturnino Gatti's frescoes in Tornimparte	Chair: Donata Magrini, Alfonso Zoleo Aula Magna
17:00 – 17:10	"Results of the II National Research project of AIAR: archaeometric study of the frescoes by Saturnino Gatti and workshop at the church of San Panfilo in Tornimparte (AQ)"	Maria F. Alberghina, Anna Galli, Mauro F. La Russa
17:10 – 17:20	"Microclimate analysis of the San Panfilo Church in Tornimparte, Italy"	Silvia Ferrarese, Claudia Pelosi
17:20 – 17:30	"Photogrammetric 3D restitution, raking light documentation and mapping of degradation phenomena of the wall painting in St. Panfilo Church at Tornimparte (AQ, Italy)"	Francesco Izzo, Luca Lanteri
17:30 – 17:40	"Infrared thermography and sonic investigation for the analysis of decaying frescoes of apsidal conch of San Panfilo Church (Tornimparte, Italy)"	Sara Calandra
17:40 – 17:50	"Materials and technique: the first look at Saturnino Gatti"	Simone Caglio, Claudia Pelosi
17:50 – 18:00	"Identifying original and restoration materials through spectroscopic analyses on Saturnino Gatti mural paintings: how far a non-invasive approach can go"	Letizia Bonizzoni, Chiara Germinario, Francesco Izzo
18:00 – 18:10	"Minero-petrographic characterization of the frescoes by Saturnino Gatti: micro-stratigraphic analyses on thin sections"	Giacomo Eramo
18:10 – 18:20	"Characterization of soluble salts on the frescoes by Saturnino Gatti in the church of San Panfilo in Villagrande di Tornimparte (L'Aquila)"	Paola Fermo
18:20 – 18:30	"Multi-technique characterization of painting drawings of the pictorial cycle at the San Panfilo Church in Tornimparte (AQ)"	Valentina Venuti
18:30 – 18:40	"The study of the organic materials"	Francesca Izzo
18:40 – 19:00	Discussione conclusiva / Final discussion	
19:00	Aperitivo / Aperitif	Caffè Pedrocchi

Giovedì 30 giugno 2022

Dipartimento di Geoscienze, Via Gradenigo 6

Orario/Time	Attività/Activity		Luogo/Location
08:30 – 09:00	Registrazioni / Registration		Hall
09:00 – 09:45	Plenary lecture. "Safeguarding cultural heritage in a changing environment: sustainable solutions for preparedness and risk management"	Alessandra Bonazza (ISAC-CNR)	Aula Arduino
	Sessione 4A. Archeometria e quesiti archeologici / Archaeometry and archaeological questions	Chair: Maura Fugazzotto e Mariangela Vandini	Aula Arduino
09:45 – 10:05	"Improved chemometric approach for the analysis of XRF data. The case of the reverse glass painting from Lipari collection"	Francesco Armetta	Aula Arduino
10:05 – 10:25	"The production of opaque red glass during the 2nd century AD in Rome. Archaeometric study of the red glass sectilia from the imperial villa of Lucius Verus"	Mario Bandiera	
10:25 – 10:45	"Production technology and conservation state of ancient Roman coins from Cumae (southern Italy)"	Sabrina Pagano	
10:45 – 11:05	"Archaeometric characterization of Roman terra sigillata pottery from Arezzo, Italy"	Maria E. Mascaro	
	Sessione 5A. Diagnostica, caratterizzazione e tecniche analitiche / Diagnostics, characterization, and analytical techniques	Chair: Luigi Germinario, Domenico Miriello	Aula 1F
09:45 – 10:05	"OpenAIAR: a new sustainable initiative for young members of our association"	Anna Galli, Alessandro Re	Aula 1F
10:05 – 10:25	"Mapping stones and deterioration morphologies distribution at the Torre dell'Orologio (St. Mark square - Venice) in the frame of the Hyperion EU project"	Rebecca Piovesan	
10:25 – 10:45	"Provenancing beads: challenges of non-invasive analysis by means of ion beams"	Laura Guidorzi	
10:45 – 11:05	"Hydraulicity of plasters from the archaeological site of Teotihuacán, Mexico"	Genea Girimonte	
11:05 – 11:30	Coffee break		Hall

Orario/Time	Attività/Activity	Luogo/Location
Sessione 4B. Archeometria e quesiti archeologici / Archaeometry and archaeological questions		Chair: Chiara Coletti, Giacomo Eramo Aula Arduino
11:30 – 11:50	"Red and black surfaces on Apulian red figure pottery. Raw materials and manufacturing practice by Raman and SEM-EDS investigations"	Annarosa Mangone
11:50 – 12:10	"Going back to Pompeii in 79 AD: a leap in time to uncover sustainable craft tradition by studying the ancient ceramic productions"	Chiara Germinario
12:10 – 12:30	"The site-specific geochemical fingerprint of fine pottery from Cales (South Italy)"	Maria Verde
12:30 – 12:50	"Implementation of an integrated methodology to assess provenance of ancient ceramic raw materials"	Graziella Bernardo
12:50 – 13:10	"An interdisciplinary approach to the study of graphite-painted pottery from the Prehistoric Balkans"	Silvia Amicone
Sessione 5B. Diagnostica, caratterizzazione e tecniche analitiche / Diagnostics, characterization, and analytical techniques		Chair: Laura Guidorzi, Monica Gulmini Aula 1F
11:30 – 11:50	"Magnetic Resonance Imaging clinical scanner as a novel tool for archaeological waterlogged wood analysis and 3D digitalization"	Sveva Longo
11:50 – 12:10	"Archaeological waterlogged wood from two archaeological sites: investigations and comparison"	Jeannette Lucejko
12:10 – 12:30	"From materials to technique: a complete non-invasive characterization of a group of six ukiyo-e Japanese woodblock prints of the Oriental Art Museum E. Chiossone"	Marco Gargano
12:30 – 12:50	"Conservation and enhancement of osteoarchaeological remains: aims and purposes of the Database IsoMedIta"	Noemi Mantile
12:50 – 13:10	"First scientific studies on the handwritten manuscripts of "I Promessi Sposi" and other rare writings of Alessandro Manzoni"	Giacomo Fiocco
13:10 – 14:30	Lunch break	Hall

Orario/Time	Attività/Activity	Luogo/Location
Sessione 4C. Archeometria e quesiti archeologici / Archaeometry and archaeological questions		Chair: Fabrizio Antonelli, Elena Tesser Aula Arduino
14:30 – 14:50	"Cold cases from MIS 3 (60-25 ka). Why detailing archaeometric investigations enhances research transparency and sustainability"	Laura Longo
14:50 – 15:10	"Archaeometric study of the white marbles used in the basilica of Santa Giustina (Padova): new data on the import of Proconnesian marble in Late Antique Adriatic"	Paolo Vedovetto
15:10 – 15:30	"Man and territory. The contribution of petrographic characterization to the study of mobility in Mahal Teglinos, Eastern Sudan"	Adelaide Marsilio
15:30 – 15:50	"Technological evolution of hydraulic binders in Padova from the Roman period to the Renaissance"	Michele Secco
15:50 – 16:10	"Plaster radiocarbon dating of St. Philip Church, Hierapolis (Denizli, Turkey)"	Sara Calandra
Sessione 5C. Diagnostica, caratterizzazione e tecniche analitiche / Diagnostics, characterization, and analytical techniques		Chair: Maria F. Alberghina, Chiara Germinario Aula 1F
14:30 – 14:50	"Selected ion flow tube-mass spectrometry (SIFT-MS) in heritage science: characterization of organic materials and archaeological samples"	Jacopo La Nasa
14:50 – 15:10	"How to design an affordable homemade pXRF spectrometer for Cultural Heritage applications: the FUXYA2020 experience"	Giulia Ruschioni
15:10 – 15:30	"Comparison of analytical methods in the characterization of two - and three - layer samples using the HHXRF technique"	Elvira Scialla
15:30 – 15:50	"A library for the Apulian (Italy) wall paintings: a non-invasive approach for the study of mineral pigments and their mixing"	Giovanna Fioretti
15:50 – 16:10	"Interdisciplinary study of the Medieval glass mosaic of "S. Agnese fuori le Mura", Rome. From art history to archaeometry"	Rita Deiana
16:10 – 16:35	Coffee break	Hall
16:35 – 17:30	Sessione poster / Poster session	Aule 1B / 1CD
17:30 – 19:00	Assemblea annuale dei soci AIAR / Annual meeting of AIAR members	Aula Arduino
20:30 – 21:00	Aperitivo / Aperitif	Caffè Pedrocchi
21:00	Cena sociale / Social dinner	Caffè Pedrocchi

Venerdì 1 Luglio 2022

Dipartimento di Geoscienze, Via Gradenigo 6

Orario/Time	Attività/Activity		Luogo/Location
08:30 – 09:00	Registrazioni / Registration		Hall
	Sessione 6A. Innovazione, sostenibilità e approcci "green" nella conservazione / Innovation, sustainability, and green approaches in conservation	Chair: Giovanna Fioretti, Anna Galli	Aula Arduino
09:00 – 09:20	"Deep eutectic solvents (DESS): new green solvents for the cleaning of nonpolar coatings"	Chiara Biribicchi	
09:20 – 09:40	"Gentle cleaning operations. A sustainable approach in the conservative project on four Michelangelo masterpieces"	Donata Magrini	
09:40 – 10:00	"Evaluation of gelling agents in the biocleaning of the 16th century painting "Coronation of the Virgin with the Saints Ambrose and Jerome""	Sofia Annarilli	
10:00 – 10:20	"15-17th century frescos of Riga Castle and their conservation with lime-based materials"	Madara Rasina	
10:20 – 10:30	Technical talk Bresciani S.r.l. "Multispectral system XpeCAM: automated identification of pigments via IA platform"	Vittorio Bresciani	
	Sessione 7. Vulnerabilità, tutela e valorizzazione / Vulnerability, protection, and valorization	Chair: Rebecca Piovesan, Alberta Silvestri	Aula 1F
09:00 – 09:20	"Byzantine wall paintings from San Marco d'Alunzio, Sicily: knowledge, diagnostics and restoration for valorizing the widespread cultural heritage"	Maria F. Alberghina	
09:20 – 09:40	"Guaranteeing the authenticity of VENINI Murano glass: handheld XRF analysis as a tool for a first compositional database"	Francesca Visone	
09:40 – 10:00	"Study of indoor air quality and microclimatic conditions in the Sanctuary of the Beata Vergine dei Miracoli in Saronno, Italy"	Andrea Bergomi	
10:00 – 10:10	Technical talk Bruker Italia S.r.l. "Bruker Nano Analytics: new X-ray solutions for electronic microscopy and portable instrumentation"	Cristian Vailati	
10:10 – 10:30	"Study of the catalytic action of heavy metals in the sulphation process through experimental tests in climatic chambers"	Valeria Comite	

Orario/Time	Attività/Activity	Luogo/Location
10:30 – 10:55	Coffee break	Hall
	Sessione 6B. Innovazione, sostenibilità e approcci "green" nella conservazione / Innovation, sustainability, and green approaches in conservation	Chair: Celestino Grifa, Elena M. Pérez-Monserrat Aula Arduino
10:55 – 11:15	"The era of plastic: from micro-destructive to non invasive approaches for a more sustainable preservation of plastic artworks"	Francesca Sabatini
11:15 – 11:35	"Circular economy for the restoration of ancient ceramic: the example of ceramic-waste geopolymers"	Maura Fugazzotto
11:35 – 11:55	"From characterization to innovative conservation compound: a project aimed to mosaics preservation"	Neva M.E. Stucchi
11:55 – 12:15	"Study and development of silica nanoparticles strengthening agents for stones preservations"	Elena Tesser
12:15 – 12:35	"Enhancing antimicrobial activity of plant essential oils"	Franco Palla
	Sessione 8. Digitalizzazione e modellazione 3D nei beni culturali / Digitization and 3D modeling in cultural heritage	Chair: Alberto De Bonis, Alessandro Re Aula 1F
10:55 – 11:15	"Music in the digital era: X-ray CT imaging analysis and 3D reproduction of historical wind instruments"	Luisa Vigorelli
11:15 – 11:35	"Virtual Archaeology and 3D printing: applications in the field of scientific research and communication"	Vincenzo Ria
11:35 – 11:55	"CAVE, archeology and virtual reality: visiting unreachable places"	Vittorio Lauro
11:55 – 12:15	"Reference Information System in 3D for the exploitation of heterogeneous archaeometric data. Case study of a cave"	Rémy Chapoulie
12:15 – 12:35	"Decay assessment and 3D surface modelling of historical brick masonries in Venice"	Chiara Coletti
12:35 – 13:00	Saluti e chiusura dei lavori / Closing ceremony	Aula Arduino
13:00 – 14:30	Lunch break	Hall
16:00 – 18:00	Visita guidata "Padova Urbs Picta" / Guided tour "Padova Urbs Picta"	