



Rome 19-21 February 2020

Wednesday 19th February 2020 - Aula Giacomini

13:30		Registration
14:30	<p>Maria Sabrina Sarto - <i>Prorettrice alle Infrastrutture e Strumenti per la Ricerca di Eccellenza; Coordinatrice del Centro di Eccellenza DTC Lazio</i></p> <p>Riccardo Faccini - <i>Preside Facoltà di Scienze MM FF NN</i></p> <p>Maria Maddalena Altamura - <i>Direttrice del Dip. di Biologia Ambientale</i></p> <p>Mauro Majone – <i>Direttore del Centro CIABC</i></p> <p>Gabriele Favero – <i>Presidente del CAD di Beni Culturali</i></p> <p><i>Alessia Masi, Laura Medeghini - Organizers</i></p>	Welcome to the participants
		Presentation of the Conference

Invited talk

15:15	<i>Piero Baglioni</i>	New methods and materials for the conservation of cultural heritage: from Renaissance frescoes to modern and contemporary art
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15:55 **Coffee Break - Aula Marini Bettolo 1st floor**

Session FUTURE

Conveners: Favero G. & Santarelli M.L.

16:25	<i>Riso F.M., Pellegrini S., Bosi G., Vazzana A., Higgins O., Vincetti M., Coralini A.</i>	Advanced technologies for the multiproxy analysis of the roman funerary ritual in Mutina
16:40	<i>Genova C., Fuentes E., Sanmartín P., Favero G., Prieto B.</i>	Green biocides embedded in a hydrogel matrix. Cleaning effect on granite colonized by phototrophs
16:55	<i>Stagno V., Mailhiot S., Telkki V.V., Sadori L., Capuani S.</i>	Innovative multiparametric NMR approach for multiscale characterization of archaeological wood porosity
17:10	<i>Antonelli F., Galotta G., Bartolini M., Sidoti G., Davide Petriaggi B., Zikeli F., Nisi R., Guerrieri F., Esposito A., Piazza S., Romagnoli M.</i>	Waterlogged wood new issues on consolidation and preservation by natural and nano-based compounds
17:25	<i>Melada J., Bonini R., Bonizzoni L., Cattaneo A., Gargano M., Grifoni E., Ludwig N.</i>	Enhancement of pigments spectral classifiers for the MOBARTECH project
17:40	<i>Mosca Conte A., Pulci O., Missori M.</i>	Theoretical condensed matter simulations for cultural heritage

19:00 **Ice Breaker**

Thursday 20th February - Aula Giacomini

Invited talk

09:30	<i>Antonio Doménech-Carbó</i>	Electrochemistry for cultural heritage: new insights
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Session PAST**Conveners: Porretta D. & Raneri S.**

- 10:10** *Di Turo F., Artesani A., Traviglia A.* **Archaeometric reconstruction of currency in the Ancient Aquileia: the alloys of coins from Nerva to Theodosium**
- 10:25** *Grechi L., Trasatti S.P.M., Falletta E.* **Study of pipes from the Antegnati-Serassi organ of the old cathedral of Brescia**

10:40 Coffee Break – Aula Marini Bettolo 1st floor

- 11:10** *Botticelli M., Sidoti G., Conti L.* **The first evidence of thecotrichite efflorescence on mural paintings**
- 11:25** *Calzolari L., Botticelli M., Medeghini L.* **Characterization of ancient hydraulic mortars from the Roman Aqueduct *Aqua Traiana***
- 11:40** *Fabrizi L., Nigro L., Niveau-De-Villedary A., Spagnoli F., Cappella F., López Sánchez N., Di Bella L., De Vito C.* **Production technology and provenance of Phoenician red slip ware from Cádiz (Spain)**
- 11:55** *Conti L., Sidoti G., Rubino A.R., Aramini F., Germinario G., Botticelli M.* **The occurrence of lead chloride products as pigments in 16th and 17th century decorations**
- 12:10** *Macro N., Ioele M., De Cesare G., Di Lorenzo F., Storari M.* **Paola Levi Montalcini's restless universe: materials' study on two artworks**
- 12:25** *Ioele M., Jervis A.V., Giuliani M.R.* **The study of ceremonial shoes (dated 12th and 13th century). The experience of ISCR scientific laboratories and laboratory of leather conservation**

12:40 Lunch – Aula Marini Bettolo 1st floor**Invited talk**

- 14:00** *Antonia Moropoulou* **The rehabilitation of the Holy Aedicule of the Holy Sepulchre: a paradigm of transdisciplinarity and cooperation for the novel and sustainable preservation of monuments**

Session PAST**Conveners: Capuani S. & Tafuri M.A.**

- 14:40** *Ridolfi S.* **The key role of diagnostics applied to cultural heritage to teach science to beginners: case studies**
- 14:55** *Germinario G., Talarico F., Ridolfi S., Torre M.* **The polyptych “The Saints” in San Severino Marche: a non-invasive approach for the characterisation of pigments and execution technique**
- 15:10** *Perino M., Felici A.C., Di Forti L.G., Stefani C., Nucara A., Ortolani M., Manzari F., Massolo L.* **The illuminated manuscript of Badia a Settimo in Florence: spectroscopic and imaging analyses**

**15:30 Coffee Break – Aula Marini Bettolo 1st floor
Poster session - Aula Giacomini**

- 16:30** *Micarelli I., Francisci G., Trosini M., Di Giannantonio S., Di Matteo M., Panella S., Giostra C., Castorina F., Iacumin P., Manzi G., Tafuri M.A.* **In search of a complex past – Longobards in Italy: a population on the move in Late Antiquity**
- 16:45** *Zaro V., Modi A., Pisaneschi L., Vai S., Vergata C., Caramelli D., Casalone E., Moggi-Cecchi J., Mariotti Lippi M., Lari M.* **Combining different methodologies for gaining much information from ancient dental calculus: the case of the *Porticus Octaviae* in Rome (Italy)**
- 17:00** *Lemorini C., Petrović A., Venditti F., Marinelli F., Forte V., Basile M., Pellegrini A., Taranto S., Ricci P., de Angelis A., Coletti F., Stellaci S.* **Testing the hypothesis: experimental approach and use-wear analysis in prehistoric archaeology**
- 17:15** *Mercuri A.M.* **BRAIN Network**

20:00 Social Dinner

Friday 21st February - Aula Giacomini

Invited talk

- 9:30** Beneš J., Kučera L., Todoroska V., Kovárník J., Budilová K., Majerovičová T., Peška J., Pavelka J., Fojtík P., Bednář P. **Microresiduals and (bio) chemical analysis reveal function of pottery: two examples from the Final Neolithic (Eneolithic) Europe**

Session PAST

Conveners: Mercuri A.M. & Sadori L.

- 10:10** Moricca C., Nigro L., Cappella F., Pasta S., Sadori L. **Archaeobotanical analysis of a Phoenician disposal pit: a tool to reconstruct past landscape**
- 10:25** Clò E. **Palynological data from the Terramara S. Rosa di Poviglio: reconstruction of the Po plain landscape during the Bronze Age**
- 10:40** **Coffee Break – Aula Marini Bettolo 1st floor**
- 11:10** Vignola C., Bonetto J., Furlan G., Mazza M., Nicosia C., Sadori L. **The view from the thermal baths of Pompeii: reconstructing the vegetation of the 1st millennium BCE**
- 11:25** Grottoli A., Beccaccioli M., Zoppis E., Fratini R.S., Schifano E., Santarelli M.L., Uccelletti D., Reverberi M. **Fast identification of spoilage microorganisms using nanopore sequencing and bioinformatics approach**
- 11:40** Fidanza M.R., Caneva G. **Natural biocides for stone cultural heritage conservation**
- 11:55** Plutino A., Rizzi A. **Film restoration: closing the gap between humanities and hard sciences**
- 12:10** Damiani A., Pronti L., Romani M., Mazzuca C., Cestelli Guidi M. **Analyses of photographic prints by using FT-IR spectroscopy and SEM-EDX**
- 12:25** Alessia Masi, Laura Medeghini **Closing Ceremony**

12:45 **Lunch – Aula Marini Bettolo 1st floor**

Patronage



Sponsors



POSTER SESSION

Tuesday 20th September 15:30-16:30 - Aula Giacomini

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| <i>Attolini D., Aranguren B., Florindi S., Marconi E., Revedin A., Mariotti Lippi M.</i> | Microremains on grinding tools as source of information about past lifestyles |
| <i>Bernabale M., Nigro L., Montanari D., Sabatini S., De Vito C.</i> | Microstructures of corrosion in archaeological iron artifacts from Motya (Sicily, Italy) |
| <i>Bernardini S., Goude G., Manzi G., Tafuri M.A.</i> | Stable carbon and nitrogen isotopes analysis on Italian prehistoric contexts: a complementary means to infer socio-cultural dynamics |
| <i>Bosi G., Guarnieri C., Rinaldi R., Benatti A., Torri P., Mazzanti M.</i> | The discovery of the Roman salt pans of Cervia: information from the archaeobotanical analysis |
| <i>Buzi C., Profico A., Di Vincenzo F., Tafuri M.A., Manzi G.</i> | New methods of ‘virtual anthropology’ applied to fossil specimens preserved in situ: the case of the Neanderthal skeleton from Altamura |
| <i>Chimenti C., Marconi S., Carocci I., Ridolfi S.</i> | The rich nature of “Velvet” Brueghel |
| <i>Foglia M., Serafini I., Ciccola A., Vincenti F., Macrini L., Macrini M., Leone L., Montesano C., Sergi M., Curini R.</i> | What was there in the vase? Revealing the mysteries of ancient drugs through forensic chemistry and archaeology |
| <i>Fuentes E., Genova C., Castiñeiras P., Prieto B.</i> | Recovery capacity of SAB’s on granite heritage subjected to climate change stressors |
| <i>Furia E., Buonincontri M., Mercuri A.M., Bianchi G., Hodges R.</i> | Investigating medieval landscapes: the contribution of the archaeobotanical approach to the nEU-Med Project (Tuscany, Central Italy) |
| <i>Longo S., Granata F., Neri F., Fazio E., Capuani S.</i> | Clinical computed tomography for polychrome wooden cultural heritage: new methodological approaches for 21st-22nd dynasty Egyptian coffins investigation |
| <i>Mercuri A.M., Florenzano A., Rattighieri E., Mazzanti M., Torri P., Walthall A.</i> | Palynological approach to reconstruct long-term environmental changes and human impact at Morgantina (Sicily) |
| <i>Montaina L., Longo S., Capuani S., Galotta G., Tranquilli G., Zalabra F., Aramini F., Talarico F., Torre M., Rubino A.R., Giuliani M.R., Priori G.F., Saccuman R.</i> | Assessment of the wooden support of a 17th century Dutch painting, by clinical computed tomography |
| <i>Rampa M., Favero G., Korenberg C.</i> | Microfadeometry as a tool to set the lighting criteria of a new museum gallery: the case of the Albukhary Foundation Gallery in the British Museum |
| <i>Titubante M., Marconi C., Tumiati M., Citiulo L., Mosca Conte A., Mazzuca C., Micheli L., Missori M., Pulci O.</i> | Multi-analytical investigations of the letters of San Francesco di Sales of Palazzo Chigi of Ariccia (Rome) |
| <i>Zeppilli C., Buzi C., Micarelli I., Paine R. R., Tafuri M.A., Manzi G.</i> | The application of new methods of 3D analysis in paleopathology: the unique case of concha bullosa among Longobards |