



## Scientific Program

### Sunday - December 18, 2016

19:00-20:30 **Meeting Opening: welcome event, an appetizer, registration**  
Where? ..... see news in web site

### Monday - December 19, 2016

8:30-9:00 Registration

9:00-9:20 Welcome from prof. **Luigi Palumbo**, Director of the Department of Basic and Applied Sciences for Engineering of Sapienza University

[Giovanni Visco](#), Meeting Introduction

9:20-10:10 **Chemometric Session; Chairman: Mohamed Traoré**

9:20-9:50 *Lecture*

[Federico Marini](#), Multivariate classification methods: A gentle introduction

9:50-10:10 [S. De Luca](#), [E. Ciotoli](#), [R. Bucci](#), [A.L. Magrì](#), [A.D. Magrì](#), [F. Marini](#); Characterization of Green Coffee Cultivars by NIR, HPLC and Chemometrics

10:10-12:20 **Cultural Heritage Session; Chairman: Daniela Ferro**

10:10-10:40 *Lecture*

[Luigi Campanella](#), [E. Dell'Aglio](#), [R. Angeloni](#); Algae Extracts for Restoration and Conservation of Paper

10:40-11:00 [M. Traoré](#), [J. Kaal](#), [A. Martínez Cortizas](#); PCA on Transposed Data Matrices for Wood FTIR-ATR Spectra Analysis: Application to Archaeological Woods

11:00-11:20 [A. De Lorenzi Pezzolo](#), [M. Colombi](#), [G.A. Mazzocchin](#); Where Did Roman Masons Get Their Material From? A DRIFTS/MVA Investigation on Mortar Aggregates and Their Potential Sources in The X Regio

11:20-11:40 *coffee break*

11:40-12:00 [M. Laurenzi Tabasso](#), [S. Ridolfi](#); PCA Analysis Applied to the Study of the Surface Coating of Stone Monuments in Persepolis

12:00-12:20 [C. Genova](#), [G. Guida](#), [G. Cau](#), [R. Reale](#), [G. Visco](#), [M.P. Sammartino](#); Physico-chemical and Mineralogical Characterization of Black Crusts Coming from Cagliari Town Hall, "Palazzo Bacaredda", Cagliari (Italy)

12:20-13:00 **Environment Session; Chairman: Pasquale Avino**

12:20-12:40 [M. Tomassetti](#), [R. Angeloni](#), [M. Castrucci](#), [G. Visco](#), [L. Campanella](#), ; Measurements of Ethanol Traces in Natural Waters Using a DMFC Enzymatic Device and Chemometric Application

12:40-13:00 [M. Manigrasso](#), [C. Protano](#), [M. Vitali](#), [P. Avino](#); Particles in Domestic Environments: Levels, Behavior and Doses Deposited in the Human Respiratory Tract

13:00-14:20 *lunch*

**14:20-16:10 Cultural Heritage Session; Chairman: [Luigi Campanella](#)**

**14:20-14:50 Lecture**

[Giovanni Visco](#), [P. Fortini](#), [S.H. Plattner](#), [M.P. Sammartino](#), Comparison of Microclimate Campaigns in the Carcer Tullianum in Absence and in Presence of Visitors

14:50-15:10 [C. Lucarelli](#), [D. Ferro](#), [T. de Caro](#), [F. Susanna](#) ; The Contribution of GIS for the Comprehension of Metallurgical Activities in Morocco

15:10-15:30 [A. Brotzu](#), [F. Felli](#), [M. Marabelli](#) ; Fountain Encrustations and Their Influence in Protection of Bronze Underneath

15:30-15:50 [F. Frasca](#), [A.M. Siani](#), [C. Cornaro](#) ; Microclimatic Measurements and Whole-building Dynamic Simulation of a Semi-confined Paleontological Site: La Polledrara di Cecanibbio (Rome)

15:50-16:10 [M.P. Sammartino](#), [G. Visco](#) ; Chemical Mechanism Involved in the Movements of Soluble Salts Inside Masonry: Different Affinity of Salts Toward the Brick's Components

**16:10-17:40 Environment Session; Chairman: [Alessandra Genga](#)**

**16:10-16:40 Lecture**

[Pasquale Avino](#); Electronic Cigarette: a Review on Physical/Chemical Profile and Human Health Implications

16:40-17:00 *Tea break*

17:00-17:20 [A. Mistaro](#), [A. Felluga](#), [F. Moimas](#), [A. Abatangelo](#), [T. Asquini](#), [R. Bruno](#), [L. Celic](#), [M. Guidarelli](#), [A. Pastrello](#), [A. Semec Bertocchi](#), ; Chemical Characterization of Atmospheric Particulate Matter in Friuli Venezia Giulia Region (NE Italy) through Exploratory Data Analysis

17:20-17:40 [A. Genga](#), [B. Introna](#), [C. Malitesta](#), [M. Siciliano](#), [T. Siciliano](#), [A. Giove](#), [S. Iacobellis](#); Carbonaceous Species in PM10 and PM2.5 in the Atmosphere of Three Italian Port Cities. Statistical Treatment of Data

**17:40-19:00 Poster Session; Chairman: [Federico Marini](#)**

Every first author of Poster can spent up to 4 minutes to present their works and 3 minutes to reply the queries.

The poster of students of The Course will be presented at the end of the session.

**19:00-19:50 Prize Party**

Will be present all authors and all students

## Poster Session

**Poster must be mounted from 8:30 to 9:00 on monday**

[P. Avino](#), M. Manigrasso, R. Schirò, C. Giannico, F. Perri, M.V. Russo; Mercury in Italy: Mapping and Behavior Across the Country

[S. De Luca](#), A. Furtivo, S. Bassi, R. Bucci, A.L. Magrì, A. D. Magrì, F. Marini; Coupling of NIR Spectroscopy and Chemometrics for the Authentication of Dried Fruits

[F. Di Croce](#), S. Iegre, F. Di Turo, G. Favero; Art and Chemistry: Discovering the Materials of "The Four Seasons" by Gaetano Paloscia (Tibaldi Palace)

[A. Genga](#), P. Ielpo, M. Siciliano, T. Siciliano; Distribution of Metals in Salento (South Italy) Agricultural Soils

[P. Ielpo](#), M.R. Taurino, R. Buccolieri, F. Gallone, S. Di Sabatino; Polycyclic Aromatic Hydrocarbons in Indoor air of a Bakery

[L. Lombardi](#), I. Serafini, G. Vannutelli, C. Montesano, F. Sciubba, M. Guiso, R. Curini, A. Bianco; Clarification of Chemical Composition of American Cochineal, in Order to Evaluate the Applicability of Statistical Analysis for Distinguishing Different Species of Cochineal

[A. Peduzzi](#), E. Dell'Aglio, G. Visco, M.P. Sammartino; Cluster Analysis to Discover Similarity Among Bricks for Restoration and Original Roman Age Bricks

[R. Reale](#), A.M. Salvi, T. Lovaglio, G. Andreozzi, M.P. Sammartino; Spectroscopic Investigation of Iron Stain on Carbonatic Stones

[M.V. Russo](#), P. Avino, M. Manigrasso, G. Capannesi, A. Rosada; Organic (Halocarbons) and Inorganic (Elements) Characterization of Soil and Rivers in the North Latium Region

[M. Tomassetti](#), F. Marini, R. Bucci, A. Coppa, L. Campanella; On the use of NIR Spectroscopy Coupled to Chemometrics for Relative Dating of Human Fossil Bones

[F. Tombolini](#), D. Pigni, G. Tranfo, E. Paci, I. Carosi, L. Bauleo, C. Ancona, F. Forastiere; Urinary Concentrations of five Hydroxy-PAHs in 598 Subjects Living in Central Italy Determined by HPLC/MS/MS

19:50-19:55    *See you at June 2018 in ???*