



PROGRAM

Sunday 26 September 2010 → 19:30-21:00 Meeting Opening: [welcome party, registration](#)

Monday 27 September 2010

8:00-9:00 [Registration](#)

9:00-9:30 Welcome from Local Authority
Meeting Introduction, dott Giovanni Visco

9:30-10:15 *Opening Lecture*

G.E. Gigante: Opportunities in Higher Education in Sciences for Cultural Heritage in Europe

Cultural Heritage Session; Chairman: G.E. Gigante

10:15-10:40 L. Caneve, F. Colao, V. Spizzichino; Analysis of Biofilms from Roman Catacombs by Laser Induced Fluorescence and Multivariate Analysis

10:40-11:05 S. Leroy, S. Cohen, C. Verna, L. Bertrand, B. Gratuze, P. Dillmann; A New Multivariate Approach for Identifying Provenance: A Description of the Ariège Iron Market in The Middle Ages

11:05-11:20 [coffee break](#)

Cultural Heritage Session; Chairman: M. Tomassetti

11.20-12.05 *Lecture*

R.G. Brereton: Use of Gas Phase Sensors and Pattern Recognition to Determine the Condition of Books in Archives

12:05-12:30 O.H. Barbu, E.D. Teodor, M. Virgolici, M.M. Manea, I. Petroviciu, E.S. Teodor; Romanian Archaeological Amber Artefacts Characterisation Using Vibrational Spectroscopy and Multivariate Data Analysis

12:30-12:55 A. Cavicchioli, D.L.A. de Faria, R. Inhasz Paiva, C.A. Neves; Piezoelectric dosimeters: a tool for assessing microenvironments in conservation areas

12:55-14:30 [lunch](#)

Environment Session; Chairman: P. Ielpo

14:30-14:55 G. Dogan, A. Anastassopoulos, D. Karman; Source Apportionment of Polyaromatic Hydrocarbons at Rural Sites of Ontario Canada

14:55-15:20 Ö. Isikdemir; H. Pekey, G. Dogan, G. Tuncel; Sources Effecting Rain Water Composition Over the Eastern Mediterranean Sea

15:20-15:40 [coffee break](#)

15:40-17:00 *poster talks; Chairman: M.V. Russo*

Every poster author have to prepare no more than **2/3** slides to be presented in no more than **five** minutes their work

17:00-19:00 Social program

Tuesday 28 September 2010

Chemometry Session; Chairman: J.B. Ghasemi

9:00-9:45 **Lecture**

B. M. Wise: Using Clutter to Improve Pattern Recognition, Calibration and Classification Models

Cultural Heritage Session; Chairman: Richard G. Brereton

9.45-10:10 A.M. Salvi, F. Langerame, A. Macchia, M.P. Sammartino, M. Laurenzi Tabasso; Characterization by XPS and combined techniques of (copper-based) coloured stains formed on limestone surfaces of outdoor Roman monuments

10:10-10:35 T. Gatta, L. Campanella, C. Coluzza, V. Mambro, P. Postorino, M. Tomassetti, G. Visco; Characterisation of One Black Pigment Used in Fresco Wall Paints of 30 b.C. Using Instrumental Methods and Chemometrics

10.35-11.00 M. Marabelli, A. Mannaioli, M.P. Sammartino; Invasive and Not Invasive Analysis of Soluble Salts in Stones; Look For Correlation in the Case Study of the Todi Cathedral Floor

11:00-11:15 Coffee break

Cultural Heritage Session; Chairman: A.M. Salvi

11:15-11:40 G. Visco, P. Fortini, S.H. Plattner, S. Di Giovanni, M.P. Sammartino; Microclimate Monitoring in the Carcer Tullianum: Temporal and Spatial Gradients Evidenced by Multivariate Analysis; First Campaign

11:40-12:05 R.G. Brereton, Self-Organizing Maps: an Unsupervised Learning Method Useful for Classification

12:05-12:30 A. Macchia, M. Malorgio, S.H. Plattner, M. Tiepolo, M. Ferretti, D. Ferro, L. Campanella, A. Zarattini; The Obsidian of Palmarola: Markers of Origin

12:30-12:55 P. Kapsalas, M. Zervakis, P. Maravelaki-Kalaitzaki, E.T. Delegou, A. Moropoulou; Automated Detection of Robust Morphology Regions to Quantify Corrosion Damage & Identify its Type

13:00-14:30 lunch

Environment Session; Chairman: A. Jabbari

14:30-15:15 **Lecture**

L. Campanella: The Quality of the Measurements and the Quality of Life (preliminary)

- 15:15-15:40 P. Ielpo, C. M. Placentino, I. Cafagna, M. Amodio, E. Andriani, M. Caselli, B.E. Daresta, G. de Gennaro, A. Di Gilio; Ionic Components and Carbon Fractions of PM_{2.5} and PM₁₀: Seasonal and Site-Specific Features
- 15:40-16:05 A. Genga, F. Baglivi, M. Siciliano, T. Siciliano, A. Tepore, G. Micocci, C. Tortorella, D. Aiello; Application of PCA and HCA to PM₁₀ Data Collected by SEM/EDS in Three Site of Center Italy
- 16:05-16:30 P. Ielpo, D. Cassano, G. Mascolo, A. Lopez, G. Pappagallo, V. Uricchio; Source Apportionment of Ground Waters Pollutants in Apulian Agricultural Sites Using Multivariate Statistical Analyses
- 16:30-17:30 Prizes Party
- 17:30-18:30 Poster Session
- 20:30- *Social dinner*

Wednesday 29 September 2010

Cultural Heritage Session; Chairman: A Montenero

- 9:00-9:25 L. Campanella; The Enzymatic Dating of Ancient Heritage: Comparison Between Two Methods on Terms of Uncertainty
- 9:25-9:50 G. Barbera, E. Aquilia, G. Barone, P. Mazzoleni; Petro-Chemical Characterization and Statistical Multivariate Analysis of Ancient Pottery From Syracuse, Sicily
- 9:50-10:15 A. Lo Monaco, M. Marabelli, C. Pelosi, M. Salvo; Preservation and Usage: the Altar Machine in the Church Mother of Gangi (Palermo, Italy) and Its Microclimate
- 10:15-10:30 *coffe break*

Chemometrics Session; Chairman: G. Visco

- 10:30-11:15 **Lecture**
F. Marini: Three-way Methods for the Analysis of Hyphenated Chromatographic Data (preliminary)
- 11:15-11:40 A. Jabbari, J.B. Ghasemi, F. Shiri; 2D Quantitative Structure Property Relationship Study of Mycotoxins by Multiple Linear Regression and Support Vector Machine
- 11:40-12:05 R. Reale, G. Guida, M.P. Sammartino, G. Visco; Ancient Coins: Cluster Analysis Applied to Found a Correlation Between Corrosion Process and Burying Soil Characteristics
- 12:05-12:30 J.B. Ghasemi, S. Pirhadi; 3D-QSAR Analysis of Human Immunodeficiency Virus Entry -1 Inhibitors by CoMFA and CoMSIA
- 12:30-12:55 H. Kaviani, J.B. Ghasemi; Hybrid Strategies in Variable Selection for PLS Regression in a QSAR Study on Indulines Derivatives as 5-HT_{2c} Receptor Antagonists
- 12:55-13:00 *The organisation like to see you in Rome at May 2012, presentation of next Meeting*

13:00- *lunch (thanks to all fro your participation)*

POSTER SESSION

The Posters will be presented with not more than **2/3** slides from one of the Authors in no more than **five** minutes, at Monday 27 from **15:40 to 17:00**

After the prize party one of the Authors stay in front of their Poster to do reply and discussion with other participants at Tuesday 28, from **17:30 to 18:30**

M. Ayati, J.B. Ghasemi; A QSPR study of GC/MS Retention Data of 85 Volatile Organic Compounds as Air Pollutant Materials by Multivariate Methods

P. Avino, M.V. Russo, K. Movassaghi; Determination and Role of Peroxyacetyl Nitrate in Photochemical Processes in Atmosphere

P. Avino, G. Capannesi, E. Sabbioni, G. Visco, A. Rosada; Element Assessment in Blood, Serum and Urine of two Italian Healthy sub-Population by INAA

A. Giuliano, G. Mannocchi, **G. Ortaggi**, A. Masotti; Contemporaneous Determination of Multiple Volatile Organic Compounds (VOC) in Aqueous Solution Using a Novel Static Headspace GC-MS Method

S. Hooshmand, J.B. Ghasemi, H. Nikyar; Spectrophotometric Determination of Equilibrium Constants of Dimethyl and Dibutyltin(IV) Dichloride With Meso-Tetraphenylporphyrins

D. Malizia, A. Giuliano, **G. Ortaggi**, A. Masotti; Environmental Monitoring of Heavy Metal Contamination in Soil With Common Plants Used as Potentially Reliable Analytical Instruments

F. Marini, M. Tomassetti, S. Vecchio; Different Methods for Calculating Activation Energy in Kinetic Studies as an Assessment Model in Archaeo(chemo)metric Applications

P.Ortiz, M.A. Vazquez, J.M. Martin, R. Ortiz, R. Fantoni, F. Colao, N. Idris; Provenance study of stony samples by multivariate analysis

S. Pirhadi, J.B. Ghasemi; Predictive QSAR Modeling of Cyclic Urea HIV-1 Protease Inhibitors Based on Linear and Non-Linear Regression Methods

C. Porrovecchio, L. Campanella, P. Salonia; GIS Information Systems Potentialities for the Study and Conservation of Cultural Heritage

D. Ruiu, F. Bellanti, L. Campanella, M. Castrucci, G. Visco; Study of photostability and toxicity of finasteride, diclofenac and naproxen through exposure of simulated sunlight and evaluation of packaging photoprotection of these drugs

T. Siciliano, **A. Genga**, L. Daniele, M. Siciliano; Multivariate Statistical Analysis Applied to PM10, PM2.5 and PM1 Data Collected in Taranto (South Italy)

L. Trizio, M. Amodio, E. Andriani, G. de Gennaro, P.R. Dambrosio, A. Demarinis Loiotile, A. Di Gilio, C.M. Placentino, M. Tutino; Cluster Analysis Applied to Optical Particles Counter Data Collected

G. Visco, S.H. Plattner, R. Reale and M.P. Sammartino; Washing and cleaning of ancient coins, an alternative method using ultrasound and chemometry