Meeting Program

Sunday 1 October 2006

19:30- Meeting Opening: welcome party, registration

Monday 2 October 2006

8:00-9:00 Registration
9:00-9:30 Welcome from Mayor of Nemi City Council, Avv. A. Biagi et al.

9:30-10:30 Opening Lecture
N. Gabrielli: The Measurements in Art

10:30-10:50 coffee break

Cultural Heritage Session; Chairman: L. Campanella

10:50-11:15 P. Fermo, E. Delnevo, M. Lasagni, S. Polla, M. de Vos: Application of Chemical and Chemometric Analytical Techniques to the Study of Ancient Ceramics from Dougga (Tunisia)

11:15-11:40 R. Checa, E. Manzano, L.R. Rodríguez-Simón, L.F. Capitan-Vallvey: Comparison Between Traditional and Pattern Recognition (SIMCA) Strategies in Classification of Old Proteinaceous Binders


12:05-12:30 E. Robotti, E. Marengo, M. Bobba, A. Panepinto: Monitoring of the Surface of Paper Samples Exposed to UV Light by ATR-FT-IR Spectroscopy and Multivariate Control Charts

12:30-12:55 F. Malaspina, E. Vuerich, M. Barazzutti, T. Georgiadis, M. Nardino: Indoor Measurements of Ozone, Ions Concentration, Microclimate Variables in the Monastero of San Vincenzo’s Church (Bassano Romano - Italy)

13:00-15:00 lunch

Environment Session; Chairman: P. Barbieri

15:00-15:40 Lecture
L. Campanella: The quality of the measurements and the quality of life


16:05-16:30 M. Calderisi, A. Livio, D. Frustace, G. Valentini, A. Cecchi: New Multivariate Approach for the Handling of Electronic Nose Data Applied to Composting Process

16:30-16:55 A. Baklanov, S. Zilitinkevich: Urban Air Quality Information and Forecasting Systems for Saving of Cultural Heritage

Time scheduling of oral presentations
Time scheduling of oral presentations

Tuesday 3 October 2006

Chemometry Session; Chairman: M. Calderisi

09:00-09:40  Lecture
E. Marengo: Chemometrics as a Tool Investigating Environment and Cultural Heritage Problems

09:40-10:05  F. Marini, R. Bucci, A.L. Magrì, A.D. Magrì: Artificial Neural Networks in Chemometrics: History, Examples and Perspectives

10:05-10:30  G. Visco, E. Gregori, M. Tomassetti and L. Campanella: Counterfeit on a Roman Imperial Statue: Pattern Recognition Helps Diagnostic Performed with ICP and TG of a Torso and a Head of One Marble Sculpture

10:30-10:50  coffee break

Cultural Heritage Session Session; Chairman: G.E. Gigante


11:40-12:05  H. Khajehsharifi, G. Vatankhah, M.F. Mousavi: Determination of Sulphite ions Using a Whole Curve of Kinetic Run and a Fixed Time Method and Applying Partial-Least Squares

12:05-12:30  M.I. Dias, M.I. Prudêncio: On the Importance of Using Sc to Normalize Geochemical Data Previous to Multivariate Analyses Applied to Archaeometric Pottery Studies


13:00-15:00  lunch

Environment Session; Chairman: E. Marengo

15:00-15:25  M. I. Prudêncio, M.I. Dias, F. Ruiz, M. Abad: Multivariate Analysis Contribution to Evaluate Anthropogenic Inputs of Chemical Elements in Lagoon Sediments

15:25-15:50  P. Avino, G. Capannesì and A. Rosada: Heavy Metals Determinations in Atmospheric Particulate Matter by Instrumental Neutron Activation Analysis

15:50-16:15  B. Giussani, D. Monticelli, A. Pozzi, C. Dossi, E. Cicerì: Two and Three Way Principal Component Analysis of Environmental Data from Lake Como Basin and Watershed
Poster Session

16:30-17:30

G. Dogan, S. Aşığ, A. Zararsız, R. Kirmaz, G. Tuncel: Source Contributions to Sediment Trace Element Levels in Izmir Bay (Turkey)
F. Modugno, E. Ribechini, M. Calderisi: Analysis of Lignin from Archaeological Waterlogged Woods by Direct Exposure Mass Spectrometry (DE-MS) and PCA Evaluation of Mass Spectral Data
E. Robotti, E. Marengo, M.C. Gennaro, A. Maiocchi, G. Pavese, A. Indaco: Statistical Analysis of Ground Water Table Distribution in Alessandria Province (Piedmont – Italy)
L. Trizio, P. Bruno, M. Caselli, G. de Gennaro: Development of Intelligent Systems with Predictive Capability for the Elaboration of Environmental Data
G. Visco, F. Bellanti, M. Castrucci, D. Riuu, T. Zoccarato: Ecopharmacology: the Deliberated or Casual Dispersion of Pharmaceutical Principles, Phytosanitary, Personal Health Care and Veterinary Products in Environment Needs a Multivariate Analysis or an Expert Systems for the Control, the Measure and the Remediation

17:30- Prize Party, winners acclamation of the three best presentation young prizes (on chemometry, on environment, on cultural heritage) and the overall best presentation. The prizes are supplied by “Divisione Ambiente e Beni Culturali della Societa’ Chimica Italiana” and by Camo Software House producer of Unscrambler.

20:30- Social Dinner, the participants are welcome in a typical restaurant under a destroyed medieval castle (build in XII seculum on "Fundus Gentianus") in Genzano with, also, the famous DOP bread.

Wednesday 4 October 2006

Environment Session; Chairman: M.I. Prudêncio

09:00-09:25 G. de Gennaro, P. Ielpo, P. Bruno, M. Caselli, V. Paolillo, B. E. Daresta, C. M. Placentino, P. R. Dambruoso, L. Trizio: Application of Receptor Models to PM10 and PM2.5 Samples
09:25-09:50 G. Dogan, G. Güllü and G. Tuncel: Sources and Source Regions Effecting the Aerosol Composition of the Eastern Mediterranean
09:50:10:15 F. S. Panero, H. E. B. Silva: Application of Exploratory Data Analysis: HCA and PCA in the Classification of Tubular Wells of the North of Brazil

10:40-11:00 coffee break
### Cultural Heritage Session; Chairman: M. Tomassetti

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00-11:40</td>
<td><strong>Lecture</strong>&lt;br&gt;G.E. Gigante: The Formation of Scientific Experts and Restaurateurs in Italy and in the World</td>
</tr>
<tr>
<td>12:05-12:30</td>
<td>F. Cecere, A. Carraro, D. Ferro, G. Visco: Characterisation of &quot;Glassy Materials&quot; from Meridional Etruria (Latio, Italy) Through the Utilization of Multivariate Scientific Methodologies</td>
</tr>
<tr>
<td>12:30-12:55</td>
<td>A. Macchia, M. Laurenzi Tabasso, M.P. Sammartino and G. Visco: SEM/EDS analysis of incrustations coming from the &quot;Fontana delle Tartarughe&quot; (Turtles Fountain) located in Rome, Italy</td>
</tr>
<tr>
<td>12:55-13:10</td>
<td>Meeting Closing: thanks, next Meeting announcements</td>
</tr>
<tr>
<td>13:10-</td>
<td>lunch</td>
</tr>
</tbody>
</table>

**Sunday 1 June 2008**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>19:30-</td>
<td>Meeting Opening: welcome party, piano jazz, registration</td>
</tr>
</tbody>
</table>