



## **SCIENCE MEETS ARCHAEOLOGY & ART HISTORY**

**Friday, 16<sup>th</sup> November 2007, Rectorate Hall, “Ss. Cyril & Methodius” University**

**Workshop within the FP6 project**

***“Reinforcement of the Research Capacities of the  
Spectroscopy Laboratory for Archaeometry”***

**- Institute of Chemistry, Faculty of Natural Sciences & Mathematics-  
Skopje, Republic of Macedonia**

# PROGRAM

## 08.30 Registration

## 09.00 OPENING

- Prof. Dr. Velimir Stojkovski, Vice-rector for Science, “Ss. Cyril & Methodius” University, Skopje, Republic of Macedonia
- Prof. Dr. Jordanka Mitevska, Dean of the Faculty of Natural Sciences & Mathematics, “Ss. Cyril and Methodius” University, Skopje, Republic of Macedonia
- Mr. Pasku Kuzman, Director, Cultural Heritage Protection Office, Skopje, Republic of Macedonia
- Prof. Dr. Biljana Minčeva-Šukarova, Project Leader, Institute of Chemistry, Faculty of Natural Sciences & Mathematics, “Ss. Cyril and Methodius” University, Skopje, Republic of Macedonia

**Chair:** Biljana Minčeva-Šukarova

09.30 Philippe Colombar, CNRS–LADIR, Paris, France: *Non-destructive identification /dating of ancient ceramics and glasses*

10.10 Peter Vandenaabeele, Department of Archaeology & Ancient History of Europe, Ghent University, Belgium: *Raman spectroscopy: shedding laser light on painted artifacts*

10.50 Evangelia Varella, Department of Chemistry, Aristotle University, Thessaloniki, Greece: *Artificial ageing of natural pigments*

## 11.30 COFFEE BREAK

**Chair:** Orhideja Grupče, Institute of Chemistry, Faculty of Natural Sciences & Mathematics, “Ss. Cyril and Methodius” University, Skopje, Republic of Macedonia

12.00 Paolo Piccardo, Department of Chemistry and Industrial Chemistry, University of Genoa, Italy: *Characterizing ancient Macedonian shields: first results and experimentations*

12.40 Ivelin Kuleff, Faculty of Chemistry, University of Sofia, Bulgaria: *Absolute dating of archaeological finds*

## 13.10 LUNCH

**Chair:** Vladimir Petruševski, Institute of Chemistry, Faculty of Natural Sciences & Mathematics, “Ss. Cyril and Methodius” University, Skopje, Republic of Macedonia

15.00 Nikola Civici, Department of Instrumental Analytical Methods, Institute for Nuclear Physics, Tirana, Albania: *Application of X-ray techniques for non-destructive investigation of cultural heritage artifacts*

15.30 Ivanka Holctajner-Antunović, Faculty of Physical Chemistry, University of Belgrade, Serbia: *Physicochemical characterization of medieval ceramics from Ras (Serbia)*

16.00 Angelina Popovska, National Conservation Centre, Skopje, Republic of Macedonia: *Two layers and overpainted icons - benefit of sophisticated technique in conservation treatment*

16.30 Orhideja Grupče, Institute of Chemistry, Faculty of Natural Sciences & Mathematics, “Ss. Cyril and Methodius” University, Skopje, Republic of Macedonia: *Indoor environment effects on museum objects: conservation strategies*

## 17.00 Closing Remarks