

Inorganic Materials in Wall Paintings Conservation

Three-Day Workshop

Croatian Conservation Institute

Academy of Fine Arts Zagreb (Department of Art Conservation)

May 2013

PROGRAMME

FIRST DAY

THEORETICAL PART – HISTORICAL OVERVIEW (4 HOURS – FIRST DAY MORNING)

- 9⁰⁰ am ‘The birth of the Florentine methods: the Florence flood in 1966 and the meeting between science and art with the fellowship between Dini and Ferroni’
- 10⁰⁰ am Discussion
- 10¹⁵ am ‘The chemistry of the Ferroni-Dini method for the wall paintings desulphatization’
- 11⁰⁰ am Break
- 11³⁰ am ‘Lime/Alcohol Dispersions for Wall Paintings Consolidation: History, Laboratory Experiments and Case Studies’
- 12³⁰ pm Discussion
- 1⁰⁰ pm End of the first day morning session

THEORETICAL PART – CALCIUM HYDROXIDE NANOPARTICLES (4 HOURS – FIRST DAY AFTERNOON)

- 2⁰⁰ pm ‘The Nanoparticles of Lime: Synthesis and Characterisation’
- 3⁰⁰ pm Discussion
- 3³⁰ pm ‘The Nanoparticles of Lime: Laboratory Experiments’
- 4³⁰ pm Discussion
- 4⁴⁵ pm Break
- 5¹⁵ pm ‘The Nanoparticles of Lime: Case Studies of Application’
- 6⁰⁰ pm End of the first day workshop

SECOND DAY

PRACTICAL PART – HISTORICAL OVERVIEW (4 HOURS – SECOND DAY MORNING)

9 ⁰⁰ am	‘The Ferroni-Dini Method: Practical Procedure and Critical Aspects’
10 ³⁰ am	Discussion
11 ⁰⁰ am	Break
11 ³⁰ am	‘The Ferroni-Dini Method: Review of Important Case Studies’
12 ³⁰ am	Discussion
1 ⁰⁰ pm	End of the second day morning session

PRACTICAL PART – CALCIUM HYDROXIDE NANOPARTICLES (4 HOURS – SECOND DAY AFTERNOON)

2 ⁰⁰ pm	‘Tests to evaluate surface properties of decayed and consolidated wall paintings’
3 ⁰⁰ pm	Discussion
3 ³⁰ pm	‘Application of the Lime/Alcohol Dispersions on Specimens or Other’
4 ³⁰ pm	Discussion and Break
5 ⁰⁰ pm	‘An Interesting Case Study for the Application of Calcium Hydroxide nanoparticles: the Wall Paintings by Agnolo Gaddi in the Major Chapel of the Santa Croce Basilica in Florence’
5 ⁴⁵ pm	Final remarks
6 ⁰⁰ pm	End of the Workshop

THIRD DAY

THEORETICAL PART–CONSOLIDATION OF WALL PAINTINGS: CASE STUDIES FROM SLOVENIA (4 HOURS – FIRST DAY MORNING).

Good and bad practice of using Calcium Hydroxide Nanoparticles in the past six years on different cases in Slovenia:

9 ⁰⁰ am	The Wall Paintings by Matevž Langus and Janez Wolf in the different chapels of the baroque Church of the Assumption of our Lady in Ljubljana (Franciscan church); mag. Martina Lesar Kikelj
9 ³⁰ am	The Wal Paintings from the End of 16 th Century; Sevnica, Lutheran Cellar, akad.rest., u.d. um. zgod. Ajda Mladenovič,.

10 ⁰⁰ am	Archaeological parks, and a few other examples; akad. rest. Katarina Žagar
10 ³⁰ am	Discussion
10 ⁴⁵	Consolidants for mineral substrates in Cultural Heritage; Dr. Andrijana Sever Škapin
11 ¹⁵ am	New paradigm in conservation of cultural heritage: environmental evaluation of conservation materials; Dr. Alenka Mauko
11 ⁴⁵ am	Break
12 ¹⁵ pm	Characterisation of paint layers and mortars ; Dr. Sabina Kramar
12 ⁴⁵ pm	Discussion
1 ⁰⁰ pm	End of the third day morning session

PRACTICAL PART – CALCIUM HYDROXIDE NANOPARTICLES IN COMBINATION WITH OTHER CONSOLIDANT (4 HOURS – SECOND DAY AFTERNOON)

MAG. MARTA BENSA AND MAG. MARTINA LESAR KIKELJ

2 ⁰⁰ pm	Nanoparticles of Calcium Hydroxide /Nanolime, Ammonium Carbonate in Cellulose poultice; preparation
3 ⁰⁰ pm	Demonstration of different successful methodologies of cleaning and consolidating of wall paintings; first part
4 ¹⁵ pm	Break
4 ³⁰ pm	Demonstration of different successful methodologies of cleaning and consolidating of wall paintings; second part
5 ³⁰ pm	Final remarks
6 ⁰⁰ pm	End of the Workshop