

EMABM 2011 - draft programme

	Tuesday, June 14th 2011	Wednesday, June 15th 2011	Thursday, June 16th 2011	Friday, June 17th 2011	Saturday, June 18th 2011
Location	City Hotel / Conservation Centre	City Hotel / ZAG	City Hotel	City Hotel	Slovene Karst and Coastline
9.00 - 9.15		EMABM 2011 - welcome of participants			Field excursion: <i>meeting in the lobby of City Hotel at 9.00</i>
9.15 - 9.30		Invited Lecture on "Micro-Raman mapping: applications to study mineral samples" by Lutz Nasdala	Invited lecture on "So-called alkali-carbonate reaction – Petrographic details of field concretes in Ontario" by Tetsuya Katayama	Invited lecture on "X-RAY CT: a powerful technique for the 3D micro-structural analysis of geomaterials" by Veerle Cnudde	Škočjan Caves
9.30 - 9.45					Strunjan - Roman mosaics
9.45 - 10.00			Deleterious alkali-silica reaction in concrete: preliminary petrographical and microstructural characterization of reacted and virgin materials from the PARTNER project N. Castro, B.J. Wigum, M.A.T.M. Broekmans	The importance of complementing mechanical tests with advanced mineralogical tests for bedrock deterioration assessment A. Petkovšek, A. Mladenovič	The town of Piran - CHEF project presentation
10.00 - 10.15		Invited Lecture on "Raman spectroscopy on cements: problems and possibilities" by Leon Black	Petrographic quantitative analysis of ASR susceptible Italian aggregates for concrete G. Vola, M. Berra, E. Rondena	TEM and SAED characterization of metakaolin as a partial substitute for ordinary portland cement L. Trusilewicz, F. Fernández-Martínez, R. Talero	
10.15 - 10.30	Workshop on "Raman spectrometry" by Lutz Nasdala – theoretical part		Cathodoluminescence study of aggregates in concrete pavements affected by ASR Š. Šachlová, A. Štastná, Z. Seidlová, Z. Pertold, R. Přikryl, J. Leichmann	Metakaolin-lime hydration products and phase stability: a microscopy analysis A. Gameiro, A. Santos Silva, R. Veiga, A. Velosa	
10.30 - 10.45	City Hotel		Petrographic characterization of granitic aggregates. Comparison with the results from laboratory tests V. Ramos, I. Fernandes, F. Noronha, A. Santos Silva	Determination of encapsulated organic pigments by electron microscopy E. Švara, A. Sever Škapin, L. Škrlep, M. Gaberšček, M. Otoničar	
10.45 - 11.00		<i>Coffee break</i>			
11.00 - 11.15	<i>Coffee break</i>	Use of micro-raman spectroscopy for the analysis of weathering products on stone monuments S. Kramar, B. Mirtič, M. Urosevic, H. Pristacz, A. Mladenovič	<i>Coffee break</i>	<i>Coffee break</i>	
11.15 - 11.30		Micro-raman spectroscopy for the study of corrosion products on bronze T. Kosec, M. Bajt Leban, E. Švara	Classification of micro cracks, luminescence measurement, water absorption and frost resistance in Norwegian produced railway ballast R. Nalsund, V. Jensen	Evaluation of portland cement clinker with optical microscopy – case studies II M. Böhm	
11.30 - 11.45	Workshop on "Raman spectrometry" by Lutz Nasdala – theoretical part	Provenance study of carbonate stones from the Czech Republic: examples of their historical use A. Štastná, R. Přikryl	SEM and XRD analysis of Hydraulically Bound Road Base Materials Containing High Volume of Waste Limestone Dust B. Saghafi, H. Al Nageim	3 rd generation superplasticizers - friend or foe P. Laugesen	
11.45 - 12.00	City Hotel	Mineralogical study by SEM and XRD of efflorescence in four granitic monuments in the Oporto metropolitan area A. Begonha, A.L. Costa Leite, M.C. Madureira, J.M. Bré	On-site analysis of damaged parts of historical monuments with portable 3D optical microscope system V. Bokan Bosiljkov, P. Štukovnik, F. Čepon	Different crystal growth of Friedel's salt originated from pozzolan and portland cement. Technical consequences R. Talero, L. Trusilewicz, C. Pedrajas	
12.00 - 12.15		Natural stones of granite with a discolouration potential B. Schouenborg, J. Andersson, M. Döse, D. Cornell	The effect of specimen age on the accuracy of w/c ratio estimations for OPC and BFSC concrete G.J. Einarsson, O. Copuroglu	Microscopic investigations of the effect of ultrafine particles on cement paste properties N. Picone, G. Bonifazi, V. Giancontieri, S. Serranti	
12.15 - 12.30		Colour layers in mural paintings case studies K. Retko, P. Ropret	Microscopic investigation of concrete exposed to seawater U.H. Jakobsen, C.C. Christiansen, C. Pade	Advanced techniques for studying damage mechanisms of cementitious matrices affected by sulfate attack U. Müller, M-C. Schlegel, F. Emmerling	
12.30 - 12.45	<i>Lunch break</i>	TEM replica revisited for investigating the microstructure of the miserite glassceramic glazes for covering tiles J. Ma. Rincón, M. Romero, R. Casasola	Concretes made with CEM III/A-LL: relationship between microstructure and properties A. Jorret, G. Corredig, U. Mühlethaler	Report on the EMABM 2011	
12.45 - 13.00			Improvement of microscopic methods for the assessment of alkali-silica reaction in mortar specimens Z. Seidlová, R. Přikryl, Š. Šachlová		
13.00 - 13.15		<i>Group photo and Lunch break</i>		<i>Lunch break</i>	
13.15 - 13.30					
13.30 - 13.45	<i>Transport for each group from City hotel to Conservation Centre will be organized</i>		<i>Lunch break</i>		
13.45 - 14.00				Presentation of EMABM 2013 - Denmark	
14.00 - 14.15		Invited lecture on "Sample preparation of cementitious materials" by Karen L. Scrivener	Petrographic atlas I. Fernandes, M. Broekmans		
14.15 - 14.30	Workshop "Raman spectrometry" by Lutz Nasdala and Polonca Ropret – practical part, group 1		Inhibition of ASR and DEF: evaluation of the microstructure of concrete mixes with pozzolanic activity A. Santos Silva, D. Soares, L. Matos, L. Divet, M. Salta	Presentation of candidates of EMABM 2015 and voting	
14.30 - 14.45	Conservation Centre		Eureka E14166 FIRECON – Fire resistant concrete made with slag from the steel industry V. Ducman, A. Mladenovič, I. Netinger, D. Bjegović, M.J. Rukavin		
14.45 - 15.00		<i>Transport to ZAG</i>	An update on using image analysis to determine w/c ratio of concrete M. de Rooij, S.L.A. Valcke, W.L.D. Suitela	Close of EMABM 2011	
15.00 - 15.15			Comparison of microscopy based analyses of entrained air void system in concrete (EN 480-11) to other test methods A. Šajna, M. Simon, L. Bras		
15.15 - 15.30	Workshop "Raman spectrometry" by Lutz Nasdala and Polonca Ropret – practical part, group 2		3D air void analysis based on CT data S. Laustsen		
15.30 - 15.45	Conservation Centre		Simulation of self-healing of dolomitic lime mortar B. Lubelli, T.G. Nijland, R.P.J. van Hees		
15.45 - 16.00			<i>Coffee break</i>		
16.00 - 16.15					
16.15 - 16.30	Workshop "Raman spectrometry" by Lutz Nasdala and Polonca Ropret – practical part, group 3	Workshop "Geopolymers" by Bruno Fabbrì, Tomáš Hanzlíček and Ivana Perna	Bonding layer between glaze and ceramic body in 19/20 th century – Portuguese tiles M. Costa, A.L. Velosa, P. Cachim, A.B. Lopes, M. Ferro		
16.30 - 16.45	Conservation Centre	Visit to ZAG laboratories	Natural consolidation of ancient historic buildings mortars submitted to humid and marine environment: A microscopic study C. Borges, A. Santos Silva, R. Veiga		
16.45 - 17.00			Microstructural and physical-mechanical analysis of the performance of nanostructured and other compatible consolidation products for historical renders G. Borsoi, M. Tavares, R. Veiga, A. Santos Silva		
17.00 - 17.15			Microstructure of historic and modern Roman cements to understand their specific properties K. Bayer, C. Gosselin, G. Hilbert, J. Weber		
17.15 - 17.30	Workshop "Raman spectrometry" by Lutz Nasdala and Polonca Ropret – practical part, group 4		Characterization of natural building materials at Villa Sironi, Oggiono (Italy) G. Cavallo, G. Corredig		
17.30 - 17.45	Conservation Centre				
17.45 - 18.00					
19.30 - 23.00	Ice-breaking - Hotel City	Welcome party - City Museum of Ljubljana	Conference dinner - Tavern "Pri Vitezu"		

CITY HOTEL - Dalmatinova 15, 1000 Ljubljana
 Conservation Centre - Poljanska 40, 1000 Ljubljana
 ZAG - Dimičeva ulica 12, 1000 Ljubljana