„Recent progress in the consolidation of calcareous materials“

21. / 22. April 2010, Litomyšl, Czech Republic

Wednesday, 21. April 2010

08:30-10:00 Registration

10:00-10:15 Opening

10:15-10:30 Gerald Ziegenbalg, IBZ-Freiberg, Germany
STONECORE - A European project funded in the 7th Framework Programme

10:30-10:55 Jacqueline Pianski, Kathrin Brümmer, Gerald Ziegenbalg, IBZ-Freiberg, Germany
Nano-particles for stone conservation – state of the art, characteristics and recent developments

10:55-11.20 Zuzana Slížková, Dita Frankeová, Claire Moreau, Miloš Drdácký, Libor Nosál, ITAM, Prague, Czech Republic
Consolidation of porous limestone with suspensions of calcium hydroxide nano-particles in alcohols

11:20 - 11:45 Karol Bayer, Blanka Kolinkeova, Machacko Lubos, University Pardubice, Czech Republic
Results of laboratory testing of structural consolidation of Kutna Hora limestone with lime nanosols

Lunch Break

13:00-13:25 Gottfried Hauff; University of Applied Sciences Potsdam, Germany
Surface protection of 4 marble types from the “Marblepalace” of Potsdam – Comparison of selected water repellents in 10 years outdoor exposure

13:25-13:50 Jadwiga W. Lukaszewicz, Uniwersytet Mikolaja Kopernika, Torun, Poland
The effectiveness of natural stone reinforcement by means of CaloSiL-Impregnates

13:50-14:15 Pete Askew, IMSL, United Kingdom
Fungal and Algal Growth on Stone and its Remediation

14.15-14:40 Malgorzata Musiela, Restauro, Poland
Possibilities for using CaLoSiL E-25 for the conservation of disintegrated lime mortars exemplified on two restoration projects: Conservation of the cellars of the middle castle in Malbork and the facade of the church of the visitation order in Warsaw

14:40-15:15 Maria Stefanidou, Ioanna Papayianni; Civil Engineering Department, Aristotle University of Thessaloniki, Greece
The role of nano-particles to water repellency of lime-based mortars

15:45-16:10 Claire Moreau, Zuzana Slížková, Dita Frankeová, Miloš Drdácký, ITAM, Prague, Czech Republic
Effects of impregnation of lime mortars with nano lime on their physical characteristics

16:10-16:35 Elisabeth Ghaffari, Thomas Köberle, Johannes Weber; University of Applied Arts Vienna, Austria, University of Fine Arts, Dresden, Germany
Penetration, distribution and precipitation of CaLoSiL in laboratory tests on different sand fractions by means of optical microscopy and SEM

16:35-18:00 Doubal Jakub, Kolinkeova Blanka, Machacko Lubos, Vojtechovsky Jan, University of Pardubice, Czech Republic
Practical demonstration of lime nanosol application on limestone and imitated corroded mortar samples

Poster Session

S. Abd El Aal, M. Ali , A. Turos, A. Korman, A. Stonert, F.Munnik, G.Mahgoub, S.Abd el Azeem, Fayoum University, Faculty of Archaeology, Conservation, Cairo University, Faculty of Archaeology, Restoration&Conservation, Soltan Institute for Nuclear Studies, Swierk/Otwock, Poland, Forschungszentrum Dresden, Germany, National Research Center, Cairo, Egypt

Non-destructive analysis and identification of ancient Egyptian pigments

Martina Lesar Kikelj, Ana Mladenovic, Alenka Mauko, Maja Uroševic, Michele Macchiarola, Jelka Kuret, Sabina Kramar, Institute for the Protection of Cultural Heritage of Slovenia, Slovenian National Building and Civil Engineering Institute; University of Granada, Faculty of Science, (Spain), CNR-ISTEC, Faenza (RA), Italy

Consolidation of wall paintings with nanolime: in-situ and laboratory evaluation

+ Last minute Posters

20:00 Conference Dinner

Thursday, 22. April 2010

09:00 - 9:25 Claudio Patriarca, Evert Slob, Technical University Delft, The Netherlands
Non-destructive characterization of natural and artificial materials using electromagnetic methods

09:25 - 9:50 Klisthenis Dimitriadis, Geoservice, Greece
Ground Penetrating Radar: A non-invasive geophysical method for the quantitative evaluation of stone damage

09:50 -10:15 Claudio Patriarca, Evert Slob, Technical University Delft, The Netherlands
Electromagnetic characterization of materials destined to refurbishment activities

Coffee Break

10:45 - 11:10 Rolf Krompholz; Geotron, Germany
Nondestructive Ultrasonic Testing

11:10 -11:35 Tabitha Mifsud & Joann Cassar; Department of the Built Heritage, Faculty for the Built Environment, University of Malta, Malta
The performance of an induced calcium oxalate surface on Globigerina Limestone

11:35-12:00 Elisabeth Ghaffari; Georg Hilbert; University of Applied Arts Vienna, Austria, Remmers Fachplanung, Germany
Consolidation of complex mortar structures

Lunch Break

13:00-13:25 Demosthenes Giraud, Greek Ministry of Culture, Greece
Preliminary report on trial treatments at the Ancient Theatre of Megalopolis

13:25-13:50 Martin Pracher, Consolidas; Kunst & Kulturgut GmbH "Alte Ziegelei"; Scheßlitz / Bamberg; Germany
The concept of full consolidation of stone- from acrylic resin to functional Silanes

13:50-14:15 Abd El-Hady, M.M. Dept. of Conservation Science, Faculty of Archaeology, Cairo University, Giza, Egypt
Investigation and Conservation of Mural Paintings in Some Pharaonic Tombs in Egypt

14:15-14:40 Pete Askew; IMSL, United Kingdom
Development of an online knowledge base and management system for the characterisation and restoration of historic objects (demonstration during coffee break)

Coffee break

15:15-15:40 Jadwiga W. Lukaszewicz; Uniwersytet Mikolaja Kopernika, Torun, Poland
Reinforcement of historical limestone objects by means of tetraethoxysilane-based treatments

15:40-16:05 Ewa Piaszczynski, Strotmann&Partner, Germany
The combination of nano-lime and silicic acid esters - a new possibility for the structural consolidation of scaling and peeling surfaces

16:05-16:25 Gerald Ziegenbalg, IBZ-Freiberg, Germany
Summary and outlook

Conference Location:

Exhibition Hall of the Europe Training Centre, Jiráskova 133,
570 01 Litomyšl, Czech Republic

Registration Fee

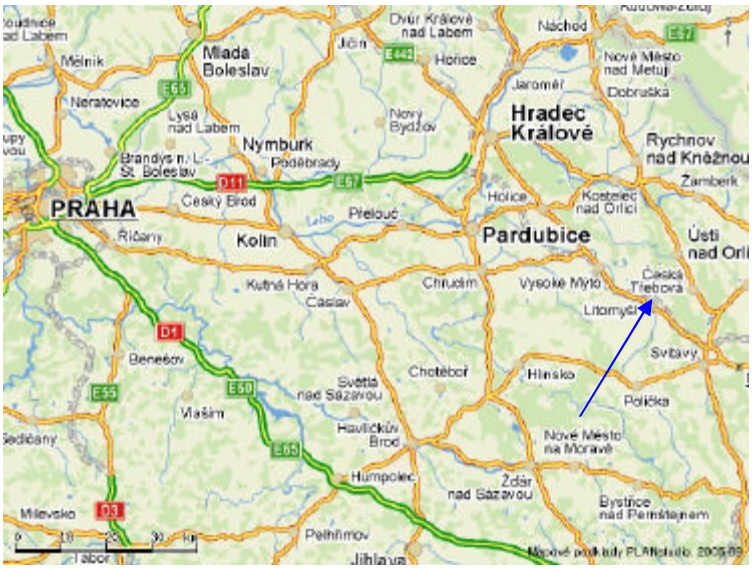
There is a registration fee of 75,00 €. The conference ticket includes the book of abstracts, list of participants and beverages during the breaks.

Students are invited to participate free of charge.

Accomodation

To reserve accommodation please contact one of the hotels/apartments given in the appendix.

Basic travel information to Litomyšl.



Litomyšl is a small town east of Prague. It is located near Ceská Trebová.

You can reach Litomyšl by:

1) EC train from **Prague** (Main Station) to **Ceska Trebová**
and then by bus from Ceská Trebová to **Litomyšl**

or:

2) bus from **Prague** (Florenc bus station) to **Litomyšl**.

or:

3) car from **Prague** to **Hradec Králové** (route D11) and then direction to **Svitavy** (route 35)

Registration Form

Fax: + 49 (0) 3731 200156

Please return to:

IBZ-Freiberg
Halsbrücker Strasse 34

09599 Freiberg
Germany

or by email to: info@ibz-freiberg.de

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Mr. ? Ms. ?

Surname, First Name, Title:……

Company / University: ……

Department/Institution: ……

Street, No /PO Box:……

Postcode , City, Country ……

……

Phone.:……Fax:……

E-mail:……

There is a fee of 75,00 €. Fees should be remitted after the receipt of the invoice in favour of IBZ-Freiberg stating the invoice number to the account stated in the invoice. Cancellations need to be made in writing (letter, fax or e-mail). The fee can also be paid directly at the conference office during registration.

The participation of students is free of charge.

…… ……..

Place, Date Signature / Company`s Stamp

Accomodation possibilites in Litomyšl

Apartmán Bedricha Smetany

vedoucí: Jitka Nazdravetská
adresa: Jiráskova (zámek) 133, Litomyšl 570 01
telefon: +420 461 612 575
fax: +420 461 616 071
mobil: +420 602 457 338
email: festival@smetanovalitomysl.cz
web: apartman.smetanovalitomysl.cz

Apartmán Bedricha Smetany

vedoucí: Jitka Nazdravetská
adresa: Jiráskova (zámek) 133, Litomyšl 570 01
telefon: +420 461 612 575
fax: +420 461 616 071
mobil: +420 602 457 338

Evropské školicí centrum o.p.s.

vedoucí: Ing. Jana Macková
adresa: Jiráskova (Zámecký pivovar) 133, Litomyšl 570 01
telefon: +420 461 611 051
fax: +420 461 611 051
mobil: +420 739 456 356
email: info@esclitomysl.cz
web: www.esclitomysl.cz

Hotel Aplaus ****

vedoucí: Ing. Markéta Prokešová, reditelka
adresa: Šantovo nám. 181, Litomyšl 570 01
telefon: +420 461 614 900
fax: +420 461 614 903
mobil: +420 725 810 590
email: recepce@hotelaplaus.cz
web: www.hotelaplaus.cz

Hotel Dalibor

vedoucí:
adresa: Komenského námestí 1053, Litomyšl 570 01
telefon: +420 461 619 006, +420 461 619 007
fax: +420 461 616 108
email: hotel.dalibor@seznam.cz
web: www.hoteldalibor.cz

Hotel Sofia *** - Galerie Café Bar

vedoucí: Vilma Petrova, majitelka
adresa: Lidická 113/1, Litomyšl 570 01
telefon: +420 461 613 191
fax: +420 461 613 191
mobil: +420 777 613 191
email: sofia@lit.cz

web: www.hotelsofia.cz

Hotel Zlatá Hvezda

vedoucí: Ing. Milena Šnajdrová, reditelka
adresa: Smetanovo námestí 84, Litomyšl 570 01
telefon: +420 461 615 338, +420 461 614 834
fax: +420 461 615 091
email: zlata.hvezda@lit.cz
web: www.zlatahvezda.com

Pension Kraus

vedoucí: Gustav Kraus, majitel
adresa: Havlíckova 444, Litomyšl 570 01
telefon: +420 461 614 823
fax: +420 461 614 823
email: gustav.kraus@worldonline.cz
web: www.pension-kraus.cz

Pension Paseka

vedoucí: Lenka Kruisová, vedoucí
adresa: Smetanovo nám. 127, Litomyšl 570 01
telefon: +420 461 614 723
fax: +420 461 614 723
mobil: +420 731 173 543
email: litomysl@paseka.cz
web: www.paseka.cz/pension

Penzion - Restaurace Bludicka

vedoucí: Jaroslav Starý
adresa: Marákova 651, Litomyšl 570 01
telefon: +420 461 619 115
fax: +420 461 619 115
mobil: +420 602 846 907
email: jaroslav.stary@unet.cz
web: www.bludickapenzion.cz

Penzion - Restaurace Pod Klášterem

vedoucí: Jindrich Cástek, majitel
adresa: Boženy Nemcové 158, Litomyšl 570 01
telefon: +420 461 615 901
fax: +420 461 615 837
mobil: +420 602 712 703
email: penzion@podklasterem.cz
web: www.podklasterem.cz

Penzion V Podzámcí

vedoucí: Lenka Janišová
adresa: A.Tomícka 6, Litomyšl 570 01

mobil: 603 905 842, 605 590 540
email: recepce@penzion-litomysl.cz
web: www.penzion-litomysl.cz