

14th June 2005, Tuesday

- 8⁰⁰ **Registration**
- 9⁰⁰ **Opening of the symposium**
- 9³⁰ *A. Palomo, A. Fernandez-Jimenez*, Spain
Some main factors influencing the alkali activation of fly ashes
- 9⁴⁵ *A. Fernandez-Jimenez, A. Palomo*, Spain
Alkali activation of fly ashes: Mechanisms of reaction
- 10⁰⁰ *M. Weil, K. Dombrowski, A. Buchwald*, Germany
Development of geopolymers supported by systems analysis
- 10¹⁵ *A. Buchwald, K. Dombrowski, M. Weil*, Germany
Evaluation of primary and secondary materials under technical, ecological and economic aspects for the use as raw materials in geopolymeric binders
- 10³⁰ **Coffee break**
- 11⁰⁰ *P. V. Krivenko, S. G. Guziy, T. G. Titarenko*, Ukraine
Flameproof alkaline portland cements, the modified thermo activated alumina- and magnesian silicate additives, and betons on their base
- 11¹⁵ *P. Rovnanikova, P. Rovnanik, P. Bayer, H. Nohelova*, Czech Republic
Properties of alkali-activated aluminosilicate materials after thermal loading
- 11³⁰ *P. Rovnanik, P. Bayer, P. Rovnanikova*, Czech Republic
Role of fibre reinforcement in the thermal loaded alkali-activated aluminosilicate composites
- 11⁴⁵ *T. M. Petrova, A. V. Poletaev, N. A. Dzashi*, Russia
Durability of slag-alkaline concretes
- 12⁰⁰ *F. Puertas, M. Palacios, A. Gil-Maroto*, Spain
Carbonation process of alkali-activated cements and mortars
- 12¹⁵ *P. V. Krivenko, A. G. Gelevera, O. N. Petropavlovskii, E. S. Kavalerova*, Ukraine
Effectiveness of metakaolin in preventing alkali-silica reaction in alkaline cements
- 12³⁰ **Lunch**
- 14⁰⁰ *M. Palacios, F. Puertas*, Spain
Influence of shrinkage-reducing admixture on the activation process and properties of alkali-activated slag cements and mortars
- 14¹⁵ *J. Deja, J. Malolepszy*, Poland
Influence of slag composition on properties of alkali activated slag-metakaolin pastes and mortars
- 14³⁰ *P. V. Krivenko, O. M. Petropavlovskii, M. A. Mokhort, G. V. Voznmuk*, Ukraine
Alkaline cement for glueing building facing materials
- 14⁴⁵ *J. Kratky, J. Brandstetr, T. Opravil, M. Sotek, H. Szklorzova*, Czech Republic
Chemical admixtures used in the various clicker-free concretes
- 15⁰⁰ *S. Stoleriu, I. Teoreanu*, Romania
Hardening process studies for cementitious material - pozzolana - activator binding systems
- 15¹⁵ *L. B. Svatovskaya, M. N. Latutova, N. I. Yakimova, T. S. Titova, A. V. Khitrov, D. V. Gerchin, E. V. Krukova, N. B. Krylova*, Russia
Phosphate materials for building, decorating and ecology problems
- 15³⁰ **Coffee break**
- 16⁰⁰ *J. Malolepszy, J. Deja*, Poland
Influence of sulphate additives on the process of granulated blast furnace slag activation
- 16¹⁵ *J. Orlowski, D. Leszczewski, M. Leszczewski, S. Braiczenko, T. Sznal*, Poland, Ukraine
Physico-chemical modification of sulfur binder by dicyclopentadiene and its role in highten fire-resisting of sulfur concretes
- 16³⁰ *E. Ganjian, P. Claisse, M. Tyrer, A. Atkinson*, United Kingdom
Red gypsum in controlled low-strength material (CLSM)
- 16⁴⁵ *E. Chinkevitch, E. Lutskin, N. Sidorova, S. Polutkin, G. Bondarenko*, Ukraine
Modified non-autoclave hardened siliceous materials. Structure, mixture, properties
- 17⁰⁰ *E. Chinkevitch, E. Lutskin, Yu. Tchesskii, V. Vinogradskii*, Ukraine
Researches and mathematic modelling structure and properties of cellular silicate compositions
- 19⁰⁰ **Dinner honouring to P.-C. Aitcin – launching of the Czech version of the book High Performance Concrete**

15th June 2005, Wednesday

- 9⁰⁰ *E.-H. Kadri, S. Aggoun, A. Benaissa*, France
Influence of zeolite, gaize, limestone and slag on new composite portland cement
- 9¹⁵ *S. Grzeszyk, P. Podkowa*, Poland
The influence of microfillers on the properties of fresh self compacting concrete
- 9³⁰ *A.-M. Poppe, G. De Schutter*, Belgium
Heat of hydration model for filler rich cementitious systems
- 9⁴⁵ *S. Sato, Y. Masuda*, Japan
Strength development of concrete using ground granulated blast furnace slag under various temperature conditions
- 10⁰⁰ *B. Uzal, F. Bektas, L. Turanlı*, Turkey
Effect of chemical activation on consistency and compressive strength of superplasticized mortars made with blended cements containing large amounts of natural pozzolan
- 10¹⁵ *Z. Bazantova, D. Dobias, S. Modry*, Czech Republic
Performance of cement mortars with admixed ground bricks
- 10³⁰ **Coffee break**
- 11⁰⁰ *N. De Belie, Ch. Grosse, G. Baert*, Belgium, Germany
Setting and hardening behaviour using ultrasound and compressive strength development of concrete with different replacement levels of cement by fly ash
- 11¹⁵ *S. Kowal*, Ukraine
Modeling and computer analyse of additives influence on concrete's properties
- 11³⁰ *Y. Masuda*, Japan
Carbonation of concrete using low heat type cement
- 11⁴⁵ *T. Durica, P. Brauner, E. Trepakova, M. Spak*, Slovakia
Mortars based on non-traditional admixtures
- 12⁰⁰ *F. Pernica, M. Chroma, B. Tepyly*, Czech Republic
Blended cements and durability and reliability characteristics of concrete structures
- 12¹⁵ *B. Humpola*, Australia
Using light testing method for the evaluation of cement and admixtures performance in concrete - experience in South East Asia
- 12³⁰ **Lunch**
- 14⁰⁰ *Th. Stanek*, Czech Republic
Belite clinker
- 14¹⁵ *M. Palou*, Slovakia
Hydration Characteristics of C₂AS-C₂S-C₄A₃S-CS-C system
- 14³⁰ *H. Y. Ghorab*, Egypt
The ettringite formation in the C₄AF-gypsum-water system
- 14⁴⁵ *M. Kawamura, T. Koderu*, Japan
Changes in composition of ASR gel and the suppression of expansion in mortars immersed in LiOH solution
- 15⁰⁰ *J. Gebauer, S.-Ch. Ko, A. Lerat, J.-C. Roumain*, Switzerland
Experience with two new cements for special applications
- 15¹⁵ **Coffee break**
- 15⁴⁵ *H. Szklorzova, J. Brandstetr, J. Kratky*, Czech Republic
Reactivity of superplasticizers with cements and mineral admixtures
- 16⁰⁰ *H. Kucerova, Ch. Rößler*, Czech Republic, Germany
The influence of superplasticisers on the hydration and fluidity of portland cement in dependence of alkalisulfate content
- 16¹⁵ *E. S. Kavalerova*, Ukraine
Global sustainable development and cement industry
- 16³⁰ *P. V. Krivenko, O. M. Petropavlovskii, A. G. Gelevera, N. N. Zhukov*, Ukraine
Immobilizing properties of alkaline cementitious systems
- 17⁰⁰ **Departure of bus, Castle Evening**

16th June 2005, Thursday

- 9⁰⁰ *P.-C. Aitcin*, Canada
New trends in high-performance concrete
- 9³⁰ *M. Drabik*, Slovakia
MDF compositions based on Portland cement, chemistry & technology aspects
- 9⁴⁵ *V. Mechtcherine*, Germany
Development and testing of quasi-ductile cementitious composites
- 10⁰⁰ *L. Kucharska, D. Logon*, Poland
Influence of the composition of matrices in HPFRCC on the effects of their ageing
- 10¹⁵ *D. Saje*, Slovenia
Prediction model of 28 day compressive strength of high strength concrete
- 10³⁰ **Coffee break**
- 11⁰⁰ *H. Xu, S. Mindess*, Canada
Effects of polymers on steel reinforced round concrete panel under impact loading
- 11¹⁵ *A. Bajza, I. Rousekova, J. Ugorcakova*, Slovakia
Migrating corrosion inhibitor for steel reinforcement protection
- 11³⁰ *M. Jirickova, E. Mnahoncakova, D. Stoklasova, R. Cerny*, Czech Republic
Measurement of heat, moisture and salt transport and storage properties of HPC
- 11⁴⁵ *Z. Pavlik, L. Fiala, R. Cerny*, Czech Republic
Determination of Chloride Diffusion Coefficient in Cement Paste and Cement Mortar using Methods of Inverse Modeling
- 12⁰⁰ *V. Corobceanu*, Romania
Effect of fibers introduced in concrete on durability of prestressed concrete elements
- 12¹⁵ *R. Korzeniowski*, Poland
Analysis of the effect of carbonation on moisture, temperature and stress distributions in RC structures
- 12³⁰ **Lunch**
- 14⁰⁰ *B. L. Karihaloo, H. M. Abdalla*, United Kingdom
A simple method for the determination of the true specific fracture energy of concrete
- 14¹⁵ *M. Vorechovsky, Z. P. Bazant, D. Novak*, Czech Republic, U.S.A.
Combined size effect for crack initiation problem: interplay of length scales
- 14⁴⁵ *J. Jerabek, R. Chudoba, P. Konvalinka*, Czech Republic
Stochastic simulation of textile-reinforced concrete using the chain of interacting crack bridges
- 15⁰⁰ *D. Novak, J. Knezek*, Czech Republic
Cement-based composites: Statistical modelling of experiments
- 15¹⁵ *S. Leonovich*, Belarus
Fracture Mechanics of Self-Stressed Concrete
- 15³⁰ **Coffee break**
- 16⁰⁰ *S. Toutanji*, U.S.A.
New Composite Materials for Civil Engineering Application
- 16¹⁵ *I. Janotka, S. Kiss, V. Papajova*, Slovakia
Cement-based filler fixed between two geotextile layers (GCBL) for mechanical and corrosion protection of pipe-lines
- 16³⁰ *H. Y. Ghorab, H. E. H. Ahmed*, Egypt
The suitability of Egyptian aggregates for concrete manufacture
- 16⁴⁵ *H. Y. Ghorab, A. Anter, H. El-Miniyaw, S. F. M. El-Deghadi*, Egypt
Local materials for non-traditional construction: Stabilization of soil and industrial wastes
- 17⁰⁰ *J. Lukas*, Czech Republic
First steel-concrete footbridge with high strength self-compacting concrete C 80/95 in the Czech Republic
- 17¹⁵ *V. Bilek*, Czech Republic
Experience of using slag alkaline concrete in Czech Republic
- 17³⁰ **Closing of the symposium**
- 19⁰⁰ **Farewell party**

Poster presentation

V. Bílek, Czech Republic

Concrete with human face

S. Modrý, Czech Republic

Mitigation of AAR in cement mortars by lithium salts

M. Jirickova, E. Mnahoncakova, R. Cerny, Czech Republic

Moisture Transport and Storage Properties of Cracked

High Performance Concrete

Corobceanu Vladimir, Răzvan Giușcă, Romania

Techniques used in determining the quality of concrete

L. Routil, V. Vesely, Z. Kersner, Czech Republic

Experiments and Statistical Modelling of Prestressed

Railway Sleepers

Program for accompanying persons

Simultaneously with the symposium program a program for accompanying persons is being prepared which include sightseeing tours around Brno itself and trips around castles and the scenery in the vicinity of Brno.

2-day post symposium trip

will be organised to some lovely area in our country called Český ráj (Bohemian Paradise). This area is reach in castles, chateaux, and natural beauty spots (Rock Towns). The return will be possible to Brno or to Prague (airport). The price of the post-symposium trip will be 100–120 €.

Notice

Late acceptance of papers for poster presentation is still possible.

About Symposium

The 2nd International symposium *Non-Traditional Cement and Concrete* will be held from 14th to 16th June 2005 in Hotel Continental Brno, Kounicova 6, 602 00 Brno, Czech Republic (www.continentalbrno.cz).

Accommodation

As the symposium will be held at the Hotel Continental Brno*** the accommodation in this hotel is recommended. Special symposium fees will be available if you write "NTCC 2005" on the hotel registration form into "special requirement" column.

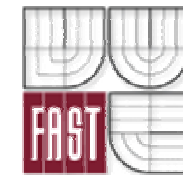
Symposium fee

Registration fee	330 EUR
Students and developing country	230 EUR
Accompanying persons	80 EUR

Way of payment

Bank: Československá obchodní banka
Address: Milady Horákové 6
601 79 Brno
Czech Republic
Account No.: 111044081/0300
Variable code: 1242501
IBAN: CZ300300000000111044081
Swift code: CEKO-CZ-PP
Full name of organization:
Vysoké učení technické v Brně

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in cooperation with



Preliminary program of
2nd International Symposium

Non-Traditional Cement and Concrete



14th – 16th June 2005
Brno, Czech Republic

Guaranteed by

Dr. Libor Ambrozek

Minister of Environment of Czech Republic

Mr. Petr Zbytek

Vice-Mayor of Brno City

Prof. Petr Štěpánek

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<http://www.fce.vutbr.cz/stm/fracture/symposium2005/default.htm>