


## June 21, 2007 – Thursday

8.00 – 9.00	<i>Registration</i>	
9.00 – 9.50	<b>Official Conference Opening</b>	<b>Aula Magna</b>
10.00 – 10.40	<b>Plenary Session</b>	<b>Blue Hall</b>
10.00 – 10.20	<b>Welcome Talk</b> <i>Z. Ertl</i>	<b>Chair:</b> <i>J. Černý</i>
10.20 – 10.40	<b>Properties of Alkali Activated Materials Suitable for Normalized Tests</b> <i>P. Straka, T. Hanzlíček, I. Perná, M. Steinerová</i>	
10.40 – 11.00	<i>Coffee Break</i>	
11.00 – 12.40	<b>Session 1 - Economic, Ecological and Legislative Relations</b>	<b>Blue Hall</b>
11.00 – 11.20	<b>Comparing Investigations on Different Building Material Systems Including Alkali-Activated Materials</b> <i>K. Dombrowski, E. Holt, A. Buchwald, M. Weil, P. Räisänen, J. Sachl</i>	<b>Chair:</b> <i>Z. Adolf</i>
11.20 – 11.40	<b>The Suitability of Different Clay Resources in Respect to Form Geopolymeric Binders</b> <i>A. Buchwald, M. Hohmann, Ch. Kaps</i>	
11.40 – 12.00	<b>Ecological Suitability Assessment of Alkali Activated Materials</b> <i>Ž. Průdková, M. Svoboda, O. Bortnovsky</i>	
12.00 – 12.20	<b>The Service Properties of the Slag Alkaline Concretes</b> <i>G. Rostovskaya, V. Ilyin, A. Blazhis</i>	
12.20 – 12.40	<b>Geocement Materials for Safety Disposal of Hazardous, Toxic and Radioactive Wastes</b> <i>M. Mokhort, J. Süßmilch, G. Vozniuk</i>	
11.00 – 12.20	<b>Session 2 - Alkali Activated Fly Ash and Slag in Industrial Utilisation</b>	<b>Green Hall</b>
11.00 – 11.20	<b>Fly Ash Based Alkaline Cements</b> <i>P. Krivenko, G. Kovalchuk</i>	<b>Chair:</b> <i>I. Perná</i>
11.20 – 11.40	<b>Alkaline Ash and Portland Cements Modified by Artificial Zeolites: Technology, Properties and Application</b> <i>E. Pushkarova, O. Gonchar</i>	
11.40 – 12.00	<b>Investigating the Set and Strength Behaviours of Blast - Furnace Slag Blended Geopolymer Cement Based on Natural Pozzolan</b> <i>A. Allahverdi, M. Yazdanipour, M. Hashemi</i>	
12.00 – 12.20	<b>Rheological Behaviour of Alkali-Activated Slag Pastes and Mortars</b> <i>M. Palacios, P. F. G. Banfill, F. Puertas</i>	
11.00 – 12.40	<b>Session 3 - Alkali Activated Materials from Different Clay Sources in Industrial Applications</b>	<b>Room 1</b>
11.00 – 11.20	<b>Geocement Glues and Composite Materials: Practical Application</b> <i>P. Krivenko, M. Mokhort, O. Petropavlovskii, G. Vozniuk</i>	<b>Chair:</b> <i>J. Brandštetr</i>
11.20 – 11.40	<b>Tungsten Mine Waste Geopolymeric Binder Versus Ordinary Portland Cement Based Concrete. Abrasion and Acid Resistance</b> <i>F. P. Torgal, J. P. Castro-Gomes, S. Jalali</i>	
11.40 – 12.00	<b>Fire-Resistant Alkaline Portland Cements and Concretes</b> <i>P. Krivenko, S. Guziy</i>	
12.00 – 12.20	<b>Gypsum-Free Portland Cement, an Alkali-Activated Material Suitable for Acid Corrosion Protection</b> <i>A. Allahverdi, F. Škvára</i>	
12.20 – 12.40	<b>The Influence of Clinoptilolite Zeolites on the Properties of Alkali Activated Slag Pastes</b> <i>W. Brylicki, J. Małolepszy, S. Stryczek, L. Kotwica</i>	

<b>11.00 – 12.40</b>	<b>Session 4 - Experiences and Solutions of Specific Application</b>	<b>Room 2</b>
<b>11.00 – 11.20</b>	<b>Geopolymer Composites and Restoration of Baroque Terracotta Statue</b> <i>T. Hanzlíček, M. Steinerová, P. Straka, I. Perná</i>	<b>Chair:</b> <i>P. Krivenko</i>
<b>11.20 – 11.40</b>	<b>The Influence of Structure Modification of Silicate Materials after Hardening in Non-Autoclave Conditions on Their a Coefficient of Heat Conductivity</b> <i>E. Shinkevich, Y. Lutskin</i>	
<b>11.40 – 12.00</b>	<b>Quick Hardening Alkaline Blast Furnace Cements: Specific Features of Hydration and Hardening</b> <i>E. Pushkarova, O. Gonchar, O. Bondarenko</i>	
<b>12.00 – 12.20</b>	<b>Processes of Physico-Chemical Structure Formation in Modified Geocements</b> <i>P. Krivenko, M. Mokhort</i>	
<b>12.20 – 12.40</b>	<b>Life Cycle Analysis Incorporated Development of Geopolymer Binder - Explained in the Special Example: Acid Resistant Coating</b> <i>A. Buchwald, M. Weil, K. Dombrowski</i>	
<b>12.40 – 14.00</b>	<i>Lunch Break</i>	
<b>14.00 – 15.40</b>	<b>Session 1 - Economic, Ecological and Legislative Relations</b>	<b>Blue Hall</b>
<b>14.00 – 14.20</b>	<b>Ceramic Industry Materials as Potential Alkaline Binders</b> <i>A. Fernández-Jiménez, M. Monzó, M. Vicent, A. Barba, A. Palomo</i>	<b>Chair:</b> <i>P. Straka</i>
<b>14.20 – 14.40</b>	<b>Evaluating the Potential Application of Fly Ash/Blast Furnace Slag Geopolymer Material for Inhibiting Acid Corrosion, a Comparative Study</b> <i>A. Allahverdi, F. Škvára</i>	
<b>14.40 – 15.00</b>	<b>Directing the Hydration/Dehydration Structure Formation of Alkaline Portland Cement: A Perspective Way for Obtaining a High Temperature Concrete</b> <i>P. Krivenko, O. Kovalchuk, G. Kovalchuk</i>	
<b>15.00 – 15.20</b>	<b>Development, Properties and Production of Geopolymers Based on Secondary Raw Materials</b> <i>O. Bortnovsky, K. Dvořáková, P. Roubíček, J. Boušek, Ž. Průdková, P. Baxa</i>	
<b>15.20 – 15.40</b>	<b>Compromise Optimisation of Slag Alkaline Binders with Computational Materials Science Methods</b> <i>T. Lyashenko, V. Voznesensky</i>	
<b>14.00 – 15.40</b>	<b>Session 2 - Alkali Activated Fly Ash and Slag in Industrial Utilisation</b>	<b>Green Hall</b>
<b>14.00 – 14.20</b>	<b>Alkali-Activated Slag Concrete for the Production of Building Elements</b> <i>V. Bílek</i>	<b>Chair:</b> <i>T. Hanzlíček</i>
<b>14.20 – 14.40</b>	<b>High-Strength Fine-Grained Concretes with Modified Mineral Admixtures of Fly Ash and Milled Slag of Power Station</b> <i>N.M. Zaichenko, A.K. Khalyushev, E.V. Sakhoshko</i>	
<b>14.40 – 15.00</b>	<b>Experience from Production and Application of the Slag Alkaline Cements and Concretes</b> <i>A. Volovikov, S. Kosenko</i>	
<b>15.00 – 15.20</b>	<b>Influence of Alkali Activation of Martin Slag on the Durability of Construction Building Products</b> <i>V.I. Bratchun, A.N. Bachurin, N.P. Nagornaya</i>	
<b>15.20 – 15.40</b>	<b>The Influence of Alkali Activator on the Hydration of Blast Furnace Slag</b> <i>M. Komljenovic, D. Krizan</i>	

14.00 – 15.40	<b>Session 3 - Alkali Activated Materials from Different Clay Sources in Industrial Applications</b>	<b>Room 1</b>
14.00 – 14.20	<b>Alkaline Portland Cements with High Volumes of Products of Man-Made and Natural Origin</b> <i>P. Krivenko, O. Petropavlovskii, A. Gelevera</i>	<b>Chair:</b> <i>A. Palomo</i>
14.20 – 14.40	<b>Utilization of Fluidized Bed Ashes in Thermal Resistance Applications</b> <i>I. Perná, T. Hanzlíček, P. Straka, M. Steinerová</i>	
14.40 – 15.00	<b>Anti-Filtration Screens Based on Alkali-Activated Slag Binders</b> <i>J. Deja, W. Brylicki, J. Małolepszy</i>	
15.00 – 15.20	<b>Alkaline Pozzolan Cements</b> <i>V. Gotc, E. Pushkarova, O. Petropavlovskii, S. Timoshenko</i>	
15.20 – 15.40	<b>Experience of Application of Geocements for Manufacturing of Inorganic Basalt and Organic-Mineral Jute Composites</b> <i>M. Mokhort, Y. Tsibulya</i>	
14.00 – 15.40	<b>Session 4 - Experiences and Solutions of Specific Application</b>	<b>Room 2</b>
14.00 – 14.20	<b>Fibre Reinforced Composite Materials with Alkali Activated Matrix</b> <i>J. Prokeš</i>	<b>Chair:</b> <i>A. Buchwald</i>
14.20 – 14.40	<b>Experience of Application of Geocement Glues for Manufacturing of Fire-Protective Lifts</b> <i>M. Mokhort, O. Petropavlovskii, V. Labunskii</i>	
14.40 – 15.00	<b>Influence of the Cement Substance Composition on the Concrete Crack Resistance Characteristics</b> <i>S.Y. Solodkyy, R.V. Gayvanovych, R.M. Rusyn</i>	
15.00 – 15.20	<b>Modified Composite Cements with Alkaline Activation</b> <i>M. Sanytsky, Kh. Sobol, T. Markiv, U. Novytsky</i>	
15.20 – 15.40	<b>The Resistive Composite Materials Based on Alkaline Binders in the System "Na<sub>2</sub>O – CaO – SiO<sub>2</sub> – FeSi – H<sub>2</sub>O"</b> <i>S. Guziy</i>	
15.40 – 16.00	<i>Coffee Break</i>	
16.00 – 16.40	<b>Session 1 - Economic, Ecological and Legislative Relations</b>	<b>Blue Hall</b>
16.00 – 16.20	<b>Novel Geopolymeric Building Materials through Synergistic Utilisation of Industrial Waste</b> <i>S. Kumar, R. Kumar, A. Bandopadhyay, S.P. Mehrotra</i>	<b>Chair:</b> <i>M. Mokhort</i>
16.20 – 16.40	<b>Alkaline Cements and Concretes: Economical, Ecological and Legislative Aspects</b> <i>E. Kavalerova</i>	
16.00 – 16.40	<b>Session 2 - Alkali Activated Fly Ash and Slag in Industrial Utilisation</b>	<b>Green Hall</b>
16.00 – 16.20	<b>Elastic Properties of Alkaline Activated Fly Ash: Results from Nanoindentation and Micromechanical Modeling</b> <i>V. Šmilauer, J. Němeček</i>	<b>Chair:</b> <i>M. Steinerová</i>
16.20 – 16.40	<b>Influence of Metakaolin on Slag-Based Geopolymeric Binder</b> <i>F. Jirasit, C.H. Rüscher, L. Lohaus</i>	
16.00 – 16.40	<b>Session 3 - Alkali Activated Materials from Different Clay Sources in Industrial Applications</b>	<b>Room 1</b>
16.20 – 16.20	<b>Influence of Inorganic Modifiers on Structure, Properties and Durability of Bloating Geocement Compositions</b> <i>E. Pushkareva, S. Guziy, M. Sukhanevich, A. Borisova</i>	<b>Chair:</b> <i>A. Allahverdi</i>
16.20 – 16.40	<b>Alkaline Binders for Refractory Concretes on the Basis of Soluble Silicates and Aluminates of Sodium</b> <i>A.N. Yefremov</i>	

19.30	Meeting Point for Dinner & Boat Trip on the Vltava River at Celetná 20, Prague 1 (Entrance to Charles University)	
20.00 – 23.00	Dinner & Boat Trip on the Vltava River	

## June 22, 2007 – Friday

9.00 – 10.40	Plenary Session	Blue Hall
9.00 – 9.20	<b>Alkaline Cements, Concretes and Structures: 50 Years of Theory and Practice</b> <i>P. Krivenko</i>	<b>Chair:</b> <i>Z. Ertl</i>
9.20 – 9.40	<b>From Geopolymers to Ceramics</b> <i>W.M. Kriven</i>	
9.40 – 10.00	<b>Composite Materials with Geopolymer Matrix - Past, Present and Future</b> <i>J. Brandštetr, J. Havlica, T. Opravil</i>	
10.00 – 10.20	<b>Progress on Research and Commercialisation of Geopolymers</b> <i>J.S.J. van Deventer, J.L. Provis, C.A. Rees, Ch. Zheng Yong, P. Duxson, G.C. Lukey</i>	
10.20 – 10.40	<b>Pozzolanic Properties of Fluidized Bed Ashes</b> <i>T. Hanzlíček, I. Perná, M. Steinerová, P. Straka</i>	
10.40 - 11.00	<i>Coffee Break</i>	
11.00 – 12.30	<b>Poster Session</b>	<b>Coffee Break Hall</b>
	<b>The pH and Conductivity Study of Alkali Activated Slags Suspensions</b> <i>L. Drongová, V. Tomková</i>	
	<b>Hydration Mechanisms of Alkali-Activated Slag</b> <i>A. Gruskovnjak, B. Lothenbach, L. Holzer, R. Figi, W.F. Empa</i>	
	<b>Leachability of Brown Coal Fly Ash Geopolymer</b> <i>M. Minaříková, T. Vojta, F. Škvára</i>	
	<b>High-Temperature Properties of Geopolymer Materials</b> <i>S. Pawlasová, F. Škvára</i>	
	<b>Thermal Behavior of Alkali Activated Granulated Blast Furnace Slag Composites</b> <i>P. Pejčochová, G. Kratošová, V. Tomková</i>	
	<b>Pop Concrete® Volume Change Determination Influenced by Aging, Temperature and Moisture Variation</b> <i>T. Strnad, P. Svoboda</i>	
	<b>Preparation of Popbeton® without Heating with Usage of „Intenzifikátor“ of Alkaline Activation</b> <i>R. Šulc, P. Svoboda</i>	
	<b>The Potential Utilization of Slags from the Secondary Metallurgy</b> <i>V. Tomková, J. Melecký, L. Drongová, J. Viček</i>	
	<b>Unburning Alkaline Binders and Heat-Insulating Materials on Base of Raw of Central Asia Region</b> <i>A.A. Tulaganov, H.H. Kamilov, M.K. Hasanov, S.S. Kasimova</i>	
	<b>Immobilization of Toxic Contaminants into Aluminosilicate Matrixes</b> <i>H. Vinšová, V. Jedináková-Křížová, L. Grič, J. Süssmilch</i>	

	<b>Concrete Based on Fly Ash Geopolymers</b> <i>J. Doležal, F. Škvára, P. Svoboda, R. Šulc, L. Kopecký, S. Pavlasová, L. Myšková, M. Lucuk, K. Dvořáček</i>	
	<b>Strength and Microstructure Development of Alkali-Activated Fly Ash Mortars</b> <i>J. Zelić, D. Jozić, D. Tibljaš</i>	
<b>12.30 – 14.00</b>	<i>Lunch break</i>	
<b>14.00 – 15.20</b>	<b>Plenary Session</b>	<b>Blue Hall</b>
<b>14.00 – 14.20</b>	<b>Alkali Activated Material – Geopolymer</b> <i>F. Škvára</i>	<b>Chair:</b> <i>J. Černý</i>
<b>14.20 – 14.40</b>	<b>Nature of Alkali Aluminosilicate Polymers; A <sup>29</sup>Si MAS-NMR Approach</b> <i>A. Palomo, A. Fernández-Jiménez</i>	
<b>14.40 – 15.00</b>	<b>Utilisation of Metallurgical Slags as Raw Material Basis for Preparation of Alkali Activated Materials</b> <i>Z. Adolf, J. Bažan</i>	
<b>15.00 – 15.20</b>	<b>Use of the New Composites in the Building Industry</b> <i>P. Svoboda</i>	
<b>15.20 – 15.30</b>	<b>Official Conference Closing</b>	

Note:

Interpreting will be provided only in **Blue Hall**

Poster Installation – Thursday, June 21 – 8.00 – 18.00