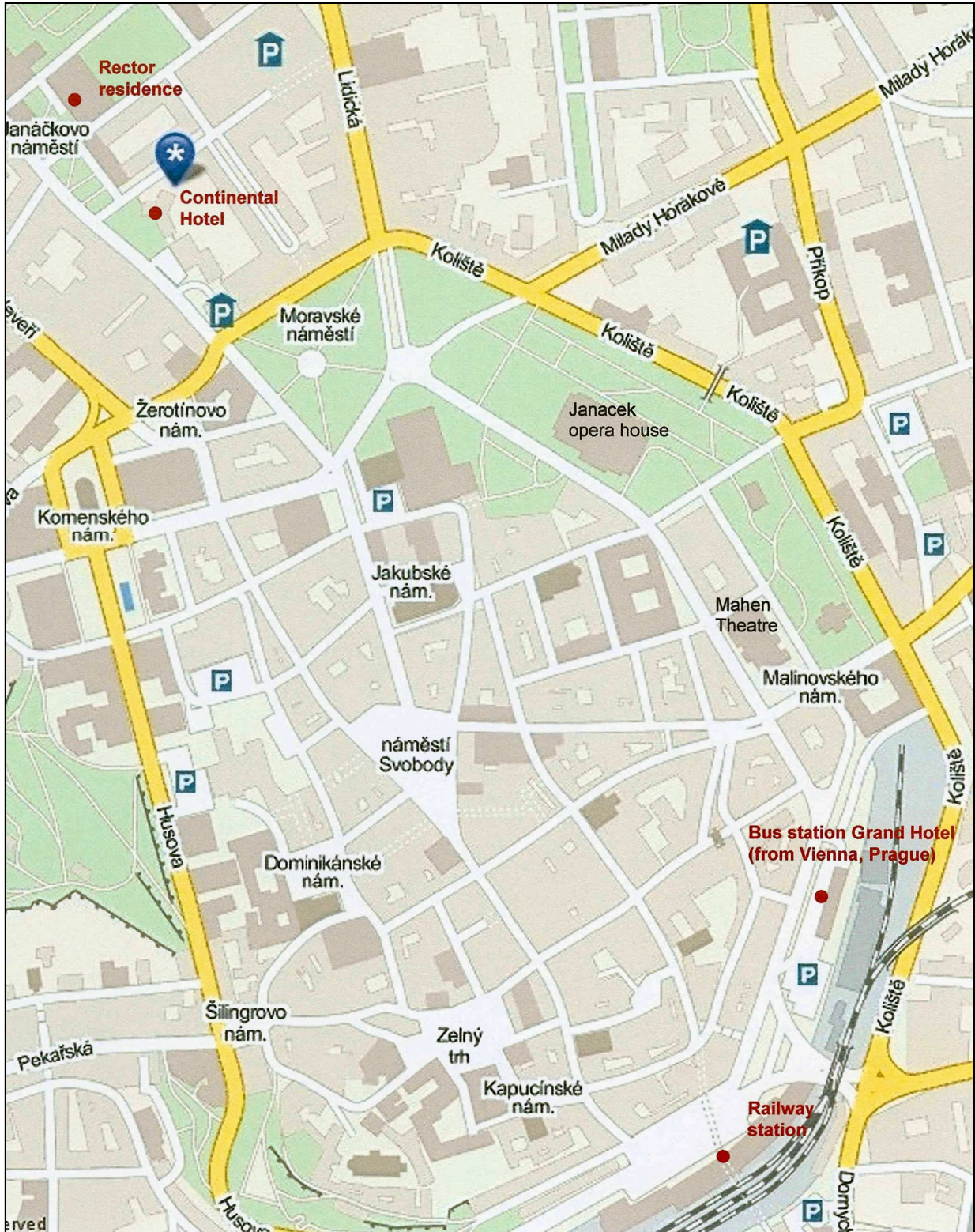


# FINAL PROGRAMME OF 6<sup>th</sup> NTCC CONFERENCE

**Monday, June 19**

**17:00–20:00 Registration and Welcome Cocktail  
Continental Hotel Brno, Kounicova 6, 602 00 Brno**



**Tuesday, June 20**

8:00	<b>Registration</b>
9:00	<b>Opening of 6<sup>th</sup> NTCC Conference</b>
	<b>Chairperson: V. BÍLEK</b>
9:30	<b>N. ALHARBI, R. HAILSTONE, B. VARELA (USA)</b> A MICROSCOPIC CHARACTERIZATION OF ALKALI ACTIVATED SLAG
9:45	<b>A. PALOMO, O. MALTSEVA, A. FERNANDEZ-JIMENEZ (Spain)</b> HYBRID CEMENTS BASED ON COAL COMBUSTION PRODUCTS. A COMPARISON BETWEEN FLY ASH BINDERS AND BOTTOM ASH BINDERS
10:00	<b>M. BAČUVČÍK, P. MARTAUZ, I. JANOTKA (Slovakia)</b> LONG-TERM OBSERVATION OF THE RESISTANCE OF NOVEL HYBRID CEMENT EXPOSED TO SULPHATE SOLUTION
10:15	<b>P.-C. AÏTCIN, JEAN-MARTIN LESSARD (Canada)</b> INCREASING THE EARLY AND LONG TERM STRENGTH OF CONCRETE MADE WITH NONTRADITIONAL CEMENTITIOUS MATERIAL
10:30	<b>Coffee break</b>
<b>Section A</b>	
	<b>Chairperson: I. JANOTKA</b>
11:00	<b>I. PAPAYIANNI, S. KONOPISI, F. KESIKIDOU (Greece)</b> PHYSICO-MECHANICAL PROPERTIES AND DURABILITY ASPECTS OF ALKALI-ACTIVATED CALCAREOUS FLY ASH/SLAG MORTARS
11:15	<b>H. Y. GHORAB, H. E. H. AHMED, A. S. SHANOUR, H. M. A. WAHDAN (Egypt)</b> THE BEHAVIOR OF PORTLAND LIMESTONE-CALCINED CLAYS CEMENT AT 5°C
11:30	<b>H. JUSTNES (Norway)</b> DURABLE ALUMINUM REINFORCED ENVIRONMENTALLY-FRIENDLY CONCRETE CONSTRUCTION – DARE2C
11:45	<b>I. MERTA, A. MLADENVIČ, J. TURK, A. ŠAJNA, A. M. PRANJIĆ (Austria, Slovenia)</b> SUSTAINABILITY OF NATURAL FIBRE CEMENTITIOUS COMPOSITES
12:00	<b>J. KATZER (Poland)</b> STRENGTH PROPERTIES OF SFRC BASED ON WCA TESTED WITH THE HELP OF ARAMIS DIGITAL IMAGE CORRELATION SYSTEM
12:15	<i>DISCUSSION</i>
12:30	<b>Lunch</b>
<b>Section A</b>	
	<b>Chairperson: A. PALOMO</b>
14:00	<b>I. LANCELLOTTI, J. KIVENTERÄ, M. CATAURO, F. DAL POGGETTO, M. ILLIKAINEN, C. LEONELLI (Italy, Finland)</b> INERTIZATION OF MINE TAILING VIA COLD CONSOLIDATION IN GEOPOLYMER MATRIX
14:15	<b>V. NIKOLIĆ, M. KOMLJENVIČ, N. DŽUNUZOVIĆ, T. IVANOVIĆ (Serbia)</b> THE INFLUENCE OF MECHANICAL ACTIVATION OF FLY ASH ON THE TOXIC METALS IMMOBILIZATION BY FLY ASH GEOPOLYMERS
14:30	<b>A. FERNANDEZ-JIMENEZ, O. MALTSEVA, A. PALOMO (Spain)</b> ALKALI ACTIVATION OF BOTTOM ASHES
14:45	<b>E. COHEN, G. BAR NES, A. PELED (Israel)</b> DEVELOPMENT OF SUSTAINABLE ALTERNATIVE BUILDING MATERIALS FROM QUARRY DUST
15:00	<b>P. KRIVENKO, O. KOVALCHUK, A. PASKO (Ukraine)</b> UTILIZATION OF INDUSTRIAL WASTE WATER TREATMENT RESIDUES IN ALKALI ACTIVATED CEMENT AND CONCRETES
15:15	<b>Coffee break</b>
	<b>Chairperson: M. KOMLJENVIČ</b>
15:45	<b>Y. ZUO, M. NEDELJKOVIC, G. YE (The Netherlands)</b> PORE SOLUTION COMPOSITION AND SOLUBILITY OF ALKALI-ACTIVATED FLY ASH
16:00	<b>P. STURM, G. J. G. GLUTH, S. GREISER, C. JÄGER, H. J. H. BROUWERS, H.-C. KÜHNE (The Netherlands, Germany)</b> INVESTIGATIONS ON ONE-PART GEOPOLYMERS SYNTHESIZED FROM DIFFERENT SILICA SOURCES
16:15	<b>X. GAO, Q. L. YU, A. LAZARO, H. J. H. BROUWERS (The Netherlands)</b> APPLICATION OF AN ALTERNATIVE NANO-SILICA BASED ACTIVATOR IN ALKALI ACTIVATED MATERIALS
16:30	<b>G. J. G. GLUTH, P. HLAVÁČEK, S. REINEMANN, M. RÜNGER, G. EBELL, J. MIETZ, H.-C. KÜHNE (Germany)</b> DURABILITY-RELATED TRANSPORT COEFFICIENTS OF GEOPOLYMER MORTARS BASED ON FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG
18:00	<b>Violine concert – Václav Hudeček – Rectorate BUT, Antonínska 1</b>

## Section B

	<b>Chairperson: H. Y. GHORAB</b>
14:00	<b>M. ŽEMLIČKA, E. KUZIELOVÁ, G. OREŠKOVÁ, M. T. PALOU</b> (Slovakia) THE INFLUENCE OF FOUR-COMPONENT BINDER SYSTEMS ON THE DEVELOPMENT OF HYDRATION PHASES
14:15	<b>A. KAJA, Q. YU, A. LAZARO GARCIA, H. J. H. BROUWERS</b> (The Netherlands) AMBIENT CURED FLY ASH GEOPOLYMERS
14:30	<b>G. LIU, M. V. A FLOREA, H. J. H. BROUWERS</b> (The Netherlands) CHARACTERIZATION AND TREATMENT OF CONTAMINATED GLASS FRACTIONS AS BUILDING MATERIALS
14:45	<b>K. KOCHOVA, K. SCHOLLBACH, F. GAUVIN, H. J. H. BROUWERS</b> (The Netherlands) INTERACTION EFFECT OF ORGANIC FIBRES ON THE CEMENT HYDRATION
15:00	<b>V. MEYER, N. DECRISTOFARO, J. BRYANT, S. SAHU</b> (France, USA) SOLIDIA CEMENT AN EXAMPLE OF CARBON CAPTURE AND UTILIZATION
15:15	<b>Coffee break</b>
	<b>Chairperson: M. T. PALOU</b>
15:45	<b>C. STRAUB, S. SEGERS, M. FLOREA, H. J. H. BROUWERS</b> (The Netherlands) THE INFLUENCE OF GRANITE ON THE PERFORMANCE OF AUTOCLAVED AERATED CONCRETE
16:00	<b>MOHAMED TANTAWI, ZHENGYAO QU, QINGLIANG YU, H. J. H. BROUWERS</b> (The Netherlands) HYDROPHOBIC LIGHTWEIGHT CONCRETE USING TREATED GROUND GRANULATED BLAST FURNACE SLAG AS WATER-RESISTING ADDITIVE
16:15	<b>Z. Y. QU, Q. L. YU, H. J. H. BROUWERS</b> (The Netherlands) ENHANCED BARRIER EFFECT OF CONCRETE WITH LDH NANO-FLAKES
18:00	<b>Violine concert – Václav Hudecek – Rectorate BUT, Antoninska 1</b>

**Wednesday, June 21****Section A**

	<b>Chairperson: B. VARELA</b>
9:00	<b>I. PAPAYIANNI, F. KESIKIDOU, S. KONOPISI</b> (Greece) ALKALI ACTIVATION OF HCFA MIXTURES WITH ALUMINOSILICATE ADDITIVES. MECHANICAL CHARACTERISTICS
9:15	<b>Ł. KOTWICA, M. CHOREMBAŁA, E. KAPELUSZNA, P. STĘPIEŃ, J. DEJA, M. ILLIKAINEN, Ł. GOŁEK</b> (Poland, Finland) INFLUENCE OF CALCINED MAIN TAILINGS ON THE PROPERTIES OF ALKALI ACTIVATED SLAG MORTARS
9:30	<b>Ł. KOTWICA, M. CHOREMBAŁA, E. KAPELUSZNA, P. STĘPIEŃ, J. DEJA, M. ILLIKAINEN, Ł. GOŁEK</b> (Poland, Finland) INFLUENCE OF SULPHIDES ON HYDRATION OF GROUND GRANULATED SLAG ALKALI ACTIVATED MORTARS AND PASTES
9:45	<b>Ł. KOTWICA, M. CHOREMBAŁA, E. KAPELUSZNA, P. STĘPIEŃ, J. DEJA, M. ILLIKAINEN, Ł. GOŁEK</b> (Poland, Finland) EFFECT OF METAKAOLINITE ON PROPERTIES OF ALKALI ACTIVATED SLAG MATERIALS
10:00	<i>DISCUSSION</i>
10:15	<b>Coffee break</b>
	<b>Chairperson: P. KRIVENKO</b>
10:45	<b>J. KOPLÍK, T. SOLNÝ, L. KALINA, J. MÁŠILKO</b> (Czech Republic) IMMOBILIZATION OF Sr <sup>2+</sup> , Bi <sup>3+</sup> AND Zn <sup>2+</sup> IN ALKALI-ACTIVATED MATERIALS BASED ON BLAST FURNACE SLAG AND FLY ASH
11:00	<b>N. R. RAKHIMOVA</b> (Russia) SODIUM SILICATE-ACTIVATED SLAG CEMENTS AS A MINERAL MARTIX FOR SOLIDIFICATION OF SIMULATED SODIUM NITRATE LIQUID WASTES AND ION-EXCHANGE RESINS
11:15	<b>A. LAZARO, H. J. H. BROUWERS</b> (The Netherlands) REVIEW ABOUT THE CHEMICAL AND PHYSICAL PROPERTIES OF WATERGLASS
11:30	<b>Q. YU, X. GAO, J. VAN DEN HEUVEL, H. J. H. BROUWERS</b> (The Netherlands) THE EFFECT OF ALKALI AND Si CONTENT ON THE PERFORMANCE OF ULTRA-LIGHTWEIGHT ALKALI ACTIVATED CONCRETE
11:45	<b>B. YUAN, Q. L. YU, H. J. H. BROUWERS</b> (The Netherlands) CONTROLLING THE REACTION KINETICS OF SODIUM CARBONATE ACTIVATION WITH DIFFERENT SLAG CHARACTERISTICS
12:00	<b>Lunch</b>
	<b>Chairperson: N. RAKHIMOVA</b>
14:00	<b>V. OMELCHUK, G. YE, R. RUNOVA, I. RUDENKO</b> (Ukraine, The Netherlands) SHRINKAGE BEHAVIOR OF ALKALI-ACTIVATED SLAG CEMENT PASTES
14:15	<b>V. BÍLEK JR., L. KALINA, O. FOJTÍK</b> (Czech Republic) SHRINKAGE-REDUCING ADMIXTURE EFFICIENCY IN ALKALI-ACTIVATED SLAG ACROSS THE DIFFERENT DOSES OF ACTIVATOR
14:30	<b>N. HU, G. HÜSKEN, G. J. G. GLUTH, H.-C. KÜHNE</b> (Germany) THE INFLUENCE OF ACTIVATOR COMPOSITION ON THE STRENGTH, SHRINKAGE AND CHLORIDE MIGRATION RESISTANCE OF ALKALI-ACTIVATED SLAG MORTARS
14:45	<b>O. MIKHAILOVA, H. ŠIMONOVÁ, L. TOPOLÁŘ, P. ROVNANÍK</b> (Czech Republic) INFLUENCE OF POLYMER ADDITIVES ON MECHANICAL FRACTURE PROPERTIES AND ON SHRINKAGE OF ALKALI ACTIVATED SLAG MORTARS
15:00	<b>Coffee break</b>
	<b>Chairperson: A. FERNANDEZ-JIMENEZ</b>
15:30	<b>P. KRIVENKO, O. PETROPVLOVSKII, G. VOZNUK</b> (Ukraine) ALKALINE ALUMINOSILICATE BINDER-BASED COMPOSITE MATERIALS WITH WOOD AGGREGATES
15:45	<b>M. ŠPAK, P. RASCHMAN</b> (Slovakia) INFLUENCE OF DIFFERENT MINERAL PRECURSORS ON THE PROPERTIES OF FLY ASH BASED ALKALI-ACTIVATED MORTARS
16:00	<i>DISCUSSION</i>
17:00	<b>Bus departure to social evening to Valtice Chateau</b>

**Wednesday, June 21****Section B**

	<b>Chairperson: J. KATZER</b>
9:00	<b>M. SANYTSKY, U. MARUSHCHAK, B. RUSYN</b> (Ukraine) DEVELOPMENT OF NANO-MODIFIED HIGH PERFORMANCE CONCRETE
9:15	<b>P. P. LI, Q. L. YU, C. P. CHUNG, H. J. H. BROUWERS</b> (The Netherlands) MIX DESIGN AND PERFORMANCE EVALUATION OF ULTRA-HIGH PERFORMANCE CONCRETE (UHPC) WITH BASALT AGGREGATE
9:30	<b>D. GLAS, Q. YU, H. J. H. BROUWERS</b> (The Netherlands) PERFORMANCE BASED DESIGN OF A STRUCTURAL LIGHTWEIGHT CONCRETE, REACHING AN OPTIMAL BALANCE BETWEEN DENSITY, MECHANICAL, AND DURABILITY PROPERTIES
9:45	<b>P. MATEČKOVÁ, M. ŠMÍŘÁKOVÁ, D. LITVAN</b> (Czech Republic) TESTING OF FIBRE CONCRETE FOUNDATION SLAB FOCUSED ON STRAIN GAUGE MEASUREMENT
10:00	<b>H. LAHUTA, E. HRUBESOVA, M. MOHYLA, L. DURIS, M. PINKA</b> (Czech Republic) ASSESSMENT OF FIBER REINFORCED CONCRETE SLAB AND SUBSOIL INTERACTION – EXPERIMENT
10:15	<b>Coffee break</b>
	<b>Chairperson: H. JUSTNES</b>
10:45	<b>G. FERRARI, M. MIYAMOTO, A. FERRARI, M. SECCO</b> (Italy) DURABILITY OF CONCRETE WITH ARTIFICIAL AGGREGATES FROM RETURNED CONCRETE
11:00	<b>L. QUAAS, M. FLOREA, H. J. H. BROUWERS</b> (The Netherlands) IMMOBILISATION OF THE MAIN CONTAMINANTS OF MSWI RESIDUES: CHLORIDES AND THEIR COUNTER IONS
11:15	<b>P. KONEČNÝ, P. LEHNER, P. GHOSH, Q. TRAN</b> (Czech Republic, USA) VARIATION OF DIFFUSION COEFFICIENT FOR SELECTED BINARY AND TERNARY CONCRETE MIXTURES CONSIDERING CONCRETE AGING EFFECT
11:30	<b>M. ŠOMODÍKOVÁ, B. TEPLÝ, D. VOŘECHOVSKÁ</b> (Czech Republic) INPUT VALUE CORRELATION IN CHLORIDE ION INGRESS MODELLING AND CONCRETE STRUCTURES RELIABILITY
11:45	<b>M. NEDELJKOVIĆ, Y. ZUO, K. ARBI, G. YE</b> (The Netherlands) NEW TEST METHOD FOR ASSESSING THE CARBONATION FRONT IN ALKALI-ACTIVATED FLY ASH/SLAG PASTES
12:00	<b>Lunch</b>
	<b>Chairperson: I. MERTA</b>
14:00	<b>J. TORRES AGREDO, S. GALLEGO RESTREPO, F. Á. HINCAPIÉ, D. GIRALDO ALZATE</b> (Colombia) PRELIMINARY STUDY OF THE USE OF A SECONDARY LEAD SMELTING SLAG AS AN ADDITION TO PORTLAND CEMENT
14:15	<b>M. SANYTSKY, T. KROPYVNYTSKA, T. KRUTS, O. HORPYNKO, I. GEVIUK</b> (Ukraine) DESIGN OF GREEN MULTI-COMPONENT CEMENTS FOR IMPROVED SUSTAINABILITY
14:30	<b>M. KAYOKO KANASHIRO, J. DE ANCHIETA RODRIGUES, L. I. LOPES DE FARIA</b> (Brazil) BAUXITE RESIDUE – TRENDS IN SCIENTIFIC RESEARCH AND OPPORTUNITIES FOR ITS VALORIZATION IN CEMENT INDUSTRY
14:45	<b>P. M. F. VAN DE WOUW, M. V. A. FLOREA, H. J. H. BROUWERS</b> (The Netherlands) LIBERATION OF ORIGINAL NATURAL AGGREGATES FROM RECYCLED CONCRETE BY ABRASION COMMUNITION
15:00	<b>Coffee break</b>
	<b>Chairperson: M. SANYTSKY</b>
15:30	<b>J. EZECHIËLS, Q. L. YU, K. SCHOLLBACH, H. J. H. BROUWERS</b> (The Netherlands) DESIGN OF AN INNOVATIVE BIO-CONCRETE USING MISCANTHUS FIBRES
15:45	<b>W. WESTERHOUT, M. FLOREA, H. J. H. BROUWERS</b> (The Netherlands) USE OF MUNICIPAL SOLID WASTE INCINERATED (MSWI) BOTTOM ASH AS FINE AGGREGATES IN MORTARS
16:00	<b>E. LOGINOVA, M. V. A. FLOREA, H. J. H. BROUWERS</b> (The Netherlands) ESTIMATION OF THE ENVIRONMENTAL IMPACT OF MSWI BOTTOM ASH FOR REUSE AS A BUILDING MATERIAL BASED ON ITS COMPOSITION
17:00	<b>Bus departure to social evening to Valtice Chateau</b>

**Thursday, June 22****Section A***Chairperson: J. PAPAYIANNI*

9:30 **W. KURDOWSKI, P. PICHNIARCZYK, P. ZAJD, A. BOCHENEK** (Poland)  
THE UNCOMMON INFLUENCE OF ZINC ON THE SETTING TIME OF PORTLAND CEMENT

9:45 **E. KUZIELOVÁ, M. ŽEMLIČKA, J. MÁŠILKO, M. T. PALOU** (Slovakia, Czech Republic)  
EFFECT OF COMPOSITION ON MICROSTRUCTURE AND PHASE DEVELOPMENT OF  
HYDROTHERMALLY CURED G-OIL WELL CEMENT

10:00 **M. T. PALOU, V. ŽIVICA, E. KUZIELOVÁ, M. ŽEMLIČKA, G. OREŠKOVÁ, J. TKACZ** (Slovakia)  
FORMATION AND STABILITY OF PHOSPHATE CERAMIC BINDERS UNDER HYDROTHERMAL  
CURING CONDITIONS

10:15 **P. ŠILER, I. KOLÁŘOVÁ, J. MÁŠILKO, R. NOVOTNÝ, T. OPRAVIL** (Czech Republic)  
THE EFFECT OF ZINC ON THE PORTLAND CEMENT HYDRATION

10:45 **Coffee break**

*Chairperson: M. MOSQUET*

11:15 **V. STROKOVA, V. NELUBOVA, M. SIVALNEVA, V. KOBZEV** (Russia)  
NANOSTRUCTURED BINDER BASED ON ALUMINOSILICATE RAW MATERIALS

11:30 **H. KARIMI, Q. L. YU, H. J. H. BROUWERS** (The Netherlands)  
EVALUATION OF A NOVEL CELLULOSE-BASED VISCOSITY MODIFYING ADMIXTURE IN  
RHEOLOGICAL PROPERTIES OF CEMENTITIOUS PASTES

11:45 **M. SEDLMAJER, J. ZACH** (Czech Republic)  
EFFECT OF PLASTICIZING ADMIXTURES ON THE DEVELOPMENT OF HYDRATION TEMPERATURES  
AND THE PROPERTIES OF CEMENT PASTES

12:00 **K. SCHOLLBACH, Z. QU, H. J. H. BROUWERS** (The Netherlands)  
INVESTIGATING BUILDING MATERIALS FOR ARTIFICIAL REEFS

**Section B***Chairperson: H. J. H. BROUWERS*

9:30 **P. VAN DEN HEEDE, B. VAN BELLEGHEM, M. A. ARAÚJO, J. FEITEIRA, N. DE BELIE** (Belgium)  
SCREENING OF DIFFERENT ENCAPSULATED  
POLYMER-BASED HEALING AGENTS FOR CHLORIDE EXPOSED SELF-HEALING CONCRETE USING  
CHLORIDE MIGRATION TESTS

9:45 **Q. ALAM, K. SCHOLLBACH, M. V. A. FLOREA, H. J. H. BROUWERS** (The Netherlands)  
CHLORIDE LEACHING FROM MUNICIPAL SOLID WASTE INCINERATION (MSWI) BOTTOM ASH

10:00 **V. CAPRAI, K. SCHOLLBACH, M. V. A. FLOREA, H. J. H. BROUWERS** (The Netherlands)  
EVALUATION OF THE EFFECTS OF HYDROTHERMAL CURING ON THE MECHANICAL BEHAVIOR OF  
MORTARS CHARACTERIZED BY MSWI BOTTOM ASH FINE AGGREGATES

10:15 **Y. HENDRIX, Y. ZHENG, A. M. KAJA, A. LAZARO, Q. L. YU, H. J. H. BROUWERS** (The Netherlands)  
DESIGN AND EVALUATION OF PHOTOCATALYTIC LIGHTWEIGHT CONCRETE APPLYING NEWLY  
SYNTHESIZED TiO<sub>2</sub>-SiO<sub>2</sub> NANO-COMPOSITES

10:30 **F. GAUVIN, V. CAPRAI, G. C. H. DOUDART DE LA GRÉE, Q. YU, H. J. H. BROUWERS**  
(The Netherlands)  
INFLUENCE OF THE PHOTO-CATALYST SUBSTRATE FOR INDOOR AIR PURIFICATION

10:45 **Coffee break**

*Chairperson: S. SEITL*

11:15 **Y. CAO, Q. L. YU, H. J. H. BROUWERS** (The Netherlands)  
MESOSCALE MODELLING OF CONCRETE DAMAGE UNDER DYNAMIC LOADING

11:30 **S. SEITL, P. MIARKA, J. KLUSÁK, J. DOMSKI, J. KATZER, H. ŠIMONOVÁ, Z. KERŠNER**  
(Czech Republic, Poland)  
CHANGE OF A CRACK PROPAGATION RATE IN FINE-GRAINED CEMENT-BASED COMPOSITES DUE  
TO PARTIAL REPLACEMENT OF AGGREGATE BY CERAMIC WASTE

11:45 **P. TRTÍK** (Switzerland)  
EXAMPLES OF NON-TRADITIONAL NEUTRON AND X-RAY IMAGING AT PSI, SWITZERLAND

12:00 **Closing of 6<sup>th</sup> NTCC Conference**

12:10 **Lunch**

14:00 **Excursion to science centre AdMaS (Advanced Materials, Structures and Technologies) at Brno University of  
Technology, Faculty of Civil Engineering**

## POSTERS

**V. Bílek Sr., M. Bambuchová, D. Pytlík** (Czech Republic)

HIGH PERFORMANCE CONCRETE WITH TERNARY BINDERS

**E. U. Ermilova, R. Z. Rakhimov, Z. A. Kamalova** (Russia)

HYBRID ADDITIVES IN BLENDED PORTLAND CEMENT

**B. Kucharczyková, V. Bílek Jr., D. Kocáb, O. Karel** (Czech Republic)

SHRINKAGE OF FINE-GRAINED COMPOSITES BASED ON ALKALI-ACTIVATED SLAG

**P. Negro, A. Truppi, F. Petronella, E. Sardella, C. Giannini, A. Agostiano, M. Lucia Curri, R. Comparelli** (Italy)

MODIFIED TiO<sub>2</sub> PHOTOCATALYSTS: MORTARS AND PLASTER FOR INDOOR APPLICATIONS

**R. Z. Rakhimov, Z. A. Kamalova, E. U. Ermilova** (Russia)

THE BLENDED PORTLAND CEMENT WITH COMPLEX ADDITIVE BASED ON CALCINED MIX OF CLAY AND LIMESTONE

**R. Rakhimov, M. Khaliullin Marat, I. Faizrakhmanov** (Russia)

COMPOSITE GYPSUM BINDER WITH THE ADDITION OF THERMALLY ACTIVATED CLAY GROUND

**R. Rakhimov, N. R. Rakhimova, A. R. Gaifullin** (Russia)

INFLUENCE OF THE CALCINED FINE-DISPERSED POLYMINERAL CLAYS ON THE PROPERTIES OF THE HARDENED PORTLAND CEMENT PASTE

**H. Šimonová, Z. Keršner, P. Rovnaníková** (Czech Republic)

EFFECT OF CURING TEMPERATURE ON MECHANICAL AND FRACTURE PARAMETERS OF ALKALI ACTIVATED BRICK POWDER BASED COMPOSITES

**H. Šimonová, L. Topolář, P. Rovnaník, P. Schmid, Z. Keršner** (Czech Republic)

EFFECT OF GRAPHITE FILLER ON CRACK INITIATION OF ALKALI-ACTIVATED SLAG BASED COMPOSITES

**E. Štěpánková, L. Kalina, V. Bílek Jr., E. Bartoníčková** (Czech Republic)

UTILIZATION OF BY-PASS CEMENT KILN DUST IN ALKALI-ACTIVATED MATERIALS

**P. Sturm, J. Lüchtenborg, P. Hlaváček, G. J. G. Gluth, H.-C. Kühne, J. Günster** (Germany)

ADDITIVE MANUFACTURING OF GEOPOLYMERS BY SELECTIVE LASER CURING

**V. Turchin, T. Ivanova, L. Yudina, S. Sychugov, A. Gumeniuk** (Russia)

DRY MIX MORTARS BASE ON ALKALINE SLAG BINDER FOR USING IN AGGRESSIVE SULFATE MEDIUM