

## PROGRAMME

Wednesday, June 22<sup>nd</sup> 2016; 16:30-18:00

### SESSION I

#### **Cement matrix composites**

Chairs:

**prof. Michał Boltryk, prof. Marek J. Ciak**

The cement composites with prepared recycled addition

BOŁTRYK Michał, KALINOWSKA-WICHROWSKA Katarzyna

Frost resistance cement composites of organic fillers

BOŁTRYK Michał, KRUPA Anna

Thermokinetic aspects of predicting the concrete admixtures effectiveness

CIĄK Marek J.

The use waste of production of cement-bonded boards for the manufacture of cement composites

JEZIERSKI Walery, KUZNECOVA Nataliya

The influence of fly ashes grain composition on rheology and curing of mineral matrix of self-compacting concrete

KOVAL Sergii, SITARSKI Mirosław

Suitability testing of fly ash from biomass combustion for the cement concrete production

LELUSZ Małgorzata A.

The influence of curing temperature on the properties of cement matrix composites with fly ash

LELUSZ Małgorzata A., STANKIEWICZ Natalia

Influence of high range water reducing admixtures on rheological properties of cement mortars

MAŁASZKIEWICZ Dorota

Influence of using fine recycled aggregate on selected properties of cement composites

PAWLUCZUK Edyta

Differential calorimetry application for the evaluation of nanomodified cement composite properties

POPEŁAWSKI Jakub, LELUSZ Małgorzata A.

Analysis of sustainability of sand-ash-cement mixtures with ash from stockpile and electrostatic precipitators Michelin Polska S.A. subjected to corrosion in lactic acid solution

RUDZIŃSKI Andrzej, CICHOWSKA Daria, GAWROŃSKA Ewelina

Lean concretes - possibilities to reduce shrinkage

STANKIEWICZ Natalia, LELUSZ Małgorzata A.

Effective medium theory application in concrete properties modeling

PAULAVA Inesa

underlined papers are proposed to the oral presentation

Thursday, June 23<sup>rd</sup> 2016; 9:00-10:30

### SESSION II

#### **Realization and exploitation of building objects**

Chairs:

**Prof. Marek J. Ciak, Prof. Walery Jezierski**

Construction disaster key issue our building

BARYŁKA Adam

Role of supervisors of construction engineering safety structures

BARYŁKA Adam

Numerical analysis of hydro thermal parameters of joints external walls with balcony slab in view of the new thermal requirements

DYBOWSKA-JÓZEFIK Monika, PAWŁOWSKI Krzysztof, WESOŁOWSKA Maria

The role of spatial planning as a tool for limiting anthropopressure on residential areas

JAROS Henryk

Comparative analysis of thermal performance light. wall radiant heaters with dry construction

KARPIESIUK Jacek, CHYŻY Tadeusz

Rebuilding of the water-proof coatings in existing building objects. A presentation of repair systems - a case study

KIEŻEL Marcin

A solar chimney as an example of the passive cooling system of a building

NAKIELSKA Magdalena, PAWŁOWSKI Krzysztof

Coordination of building investment process

OBOLEWICZ Jerzy

Implementation of flat slab column reinforced concrete frames in low cost housing construction

ONYSZCHENKO Volodymyr, PAVLIKOV Andrey, MYKYTENKO Sergiy

The market potential for energy - efficient renovations in residential buildings of Zielona Góra

SKIBA Marta, MRÓWCZYŃSKA Maria, BAZAN- KRZYWOSZAŃSKA Anna

Possibility of use of the multi-criteria analysis in the investment - construction process

SZAFRANKO Elżbieta

The analysis of physical parameters of external walls and their joints regarding the use of modern heat insulating materials

PAWŁOWSKI Krzysztof, NAKIELSKA Magdalena

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Thursday, June 23<sup>rd</sup> 2016; 11:00-12:30

### **SESSION III**

#### **Testing of building objects**

Chairs:

**Prof. Czesław Miedziński, Prof. Viktor Tur**

Features of standardization of wind loading on buildings and constructions and the prospects of using wind energy for climatic conditions of Belarus

CHERNOIVAN Anna

Research methodology proposed for resilience of contemporary facing walls

KACZMAREK Anna, WESOŁOWSKA Maria

Mechanical activation on phosphogypsum - hydrosodalite system

KIELÉ Andrius, NIZEVIČIENĖ Dalia, VAIČIUKYNIENĖ Danutė, LOGANATHAN Thiyagaraju, RUDELIS Valdas

Evaluation of the influence of wind-driven rain on moisture content in cellular concrete wall boards

NIKITSIN Vadzim I., KOFANOV Valery. A., BACKIEL-BRZOZOWSKA Beata

Technical condition of monumental building of ABVM Church in Białystok and repair work directions

MIEDZIŃSKI Czesław, SZKOBODZIŃSKI Marcin

Reflection of a laser beam from objects made of homogenous materials of multiple colours - case study

PAWŁOWICZ Joanna A.

Evaluation of labor costs in schedule of the background of his time delays

PRZYWARA Daniel, RAK Adam

Technical assessment of existing public utility building in the context of its further exploitation and new building plans for example of kindergarten building

RYCHTA Dawid

Alternative methods of the concrete compressive strength compliance assessment based on small groups of test results

SZCZYGIELSKA Elżbieta, TUR Viktor

An attempt to stabilize lightweight clay by using hydrated lime

TARASEWICZ Andrzej

The example technology of insulation of walls the historical building in the multipor technology

ZALEWSKI Marcin

Estimating the amount of labour and materials needed for manufacturing the reinforced soil-cement piles by deep soil mixing technology

ZOCENKO Mykola L., PETRASH Ruslan V., PETRASH Oleksandr V., VOSKOBIJNYK Olena P., SEMKO Oleksandr V.

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Thursday, June 23<sup>rd</sup> 2016; 13:30-15:00

### **SESSION IV**

#### **Building structures**

Chairs:

**Prof. Michał Bołtryk, Prof. Viktor Tur**

Conception and application of special one-dimensional finite elements

CHYŻY Tadeusz, MACKIEWICZ Monika

Node connections of structural elements on BRGTU system

DRAGAN Wiaczesław I., SHURYN Andrew B., SHALOBYTA Nikolai N.

Local stability of flat polyhedrons of mesh domes

DRAGAN Wiaczesław I., GLUSHKOV K.K.

Comparison of results of experimental research of flexible rod composite reinforced concrete structure with sheet steel framework

STOROZHENKO Leonid, MURZA Sergii, BEZNIGAEV Mykyta, EFIMENKO Olena

Analysis of durability of joints of three-layer walls of building of large slab

TOMASZEWICZ Dariusz

Strains and self-stresses estimation in the expansive concrete members reinforced with GFRP bars

TUR Viktor, SEMIANIUK Volha

A nonlinear analysis method for arch-shaped shell roofs made of cold-formed steel profiles

ZHDANOV Dmitry, ULASEVICH Wyacheslav

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