PROGRAMME

"CRRB 2016 - 18th International Conference on Rehabilitation and Reconstruction of Buildings"

24th November 2016, room D182	
8:00 – 9:00	Registration of participants
9:00 – 9:05	Opening ceremony (room D182) *prof. Ing. Rostislav Drochytka, CSc.,MBA*
9:05 – 9:10	***Announcement of awarded WTA CZ members with authorization certificate***
9:10 – 9:20	***WTA CZ association Awards for the best Czech Master and Doctoral thesis***
	Invited lecturers
9:20 – 9:40	***Energy efficient historic buildings and share of energy surplus*** *Prof. Dr.- Ing. Harald Garrecht*
9:40 – 10:00	***Respectful engineering support for restoration and revitalization of historical masonry and timber structures*** *Prof. dr. ir. Dionys Van Gemert*
10:00 – 10:20	***Free-form and expansive glass facades and roofs - mitigation of potential defects*** *Assoc. Prof. Arch. Michal Sedláček*
10:20 – 10:50	Coffee break
10:50 – 11:00	***Experimental Analysis of Lateral Torsional Buckling of Beams with Selected Cross-Section Types*** ***Jan Barnat**, Miroslav Bajer, Martin Vild, Jiří Piják*
11:00 – 11:10	***Cast Screws as Shear Anchors for Composite Slabs*** ***Josef Holomek**, Miroslav Bajer, Jan Barnat, Martin Vild*
11.10 – 11:20	***Supporting historical structures technical condition assessment by monitoring of selected physical quantities*** *Łukasz Bednarski, Rafał Sieńko, Tomasz Howiacki*
11:20 – 11:30	***Using of Textile Reinforced Concrete Wrapping for Strengthening of Masonry Columns with Modified Cross-section Shape*** ***Ondřej Holčapek**, Filip Vogel, Pavel Reiterman*
11:30 – 11:40	***The replacement of the parts of the aggregate with chalcedonite meal*** ***Anna Kotwa***
11:40 – 11:50	***Experimental Verification of Utilization of Fly Ash from the flue gas Denitrification Process as a Filler to Epoxy Patching Mortar*** ***Jakub Hodul**, Rostislav Drochytka, Radka Sklenářová*
11:50 – 12:00	***Efficiency of air vents in rehabilitation procedure of historical buildings*** *Kristýna Michalová, Lukáš Balík , **Eva Burgetová***
12:00 – 13:30	Lunch with discussion - *room A424*

FACULTY OF CIVIL ENGINEERING

WTA CZ Scientific and Technical Association for Building Rehabilitation and Monument Maintenance

CRRB

Jihomoravský kraj

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13:30 – 13:40	***Investigation of Influence of Recycled Plastics from Cable, Ethylene Vinyl Acetate and Polystyrene Waste on Lightweight Concrete Properties*** *Valéria Gregorová, Miriam Ledererová, Zuzana Štefunková*
13:40 – 13:50	***Seismic Vulnerability Mitigation of a Masonry Church by mean of CFRP Retrofitting*** ***Gabriele Milani**, Rafael Shehu, Marco Valente*
13:50 – 14:00	***The development of alkali-activated cement mixtures for fast rehabilitation and strengthening of concrete structures*** *Pavel Krivenko, Oleg Petropavlovskii, Hryhorii Vozniuk, Serhiia Lakusta*
14:00 – 14:10	***Development of the Elastic Modulus of Concrete under Different Curing Conditions*** *Dalibor Kocáb, Barbara Kucharczyková, Petr Misák, Petr Žítt, **Monika Králíková***
14:10 – 14:20	***Long-duration action of additional horizontal prestressing on masonry*** ***Robin Pěkník** , Ladislav Klusáček*
14:20 – 14:30	***Experimental Analysis of the Development of Elastic Properties and Strength under Different Ambient Temperature during the Hardening of Concrete*** *Dalibor Kocáb, Petr Daněk, Petr Misák, Libor Topolář, **Petr Pőssl***

14:30 – 14:40	***Problems with buildings lacking basic design documentation*** *Marcin Chybiński, Zdzisław Kurzawa, **Łukasz Polus***
14:40 – 14:50	***Numerical studies of lateral torsional buckling methods*** ***Martin Vild**, Jiří Piják, Jan Barnat, Miroslav Bajer*
14:50 – 15:00	***Several comments on numerical modeling of shallow foundations*** *Meera Ramesh, **Pavel Kuklík**, Martin Válek*
15:00 – 16:00	**Coffee break with POSTER SESSION** ***The Effect of Micro-Reinforcement Steel Fibers Addition on the Size of the Shrinkage of Concrete and Corrosion Process of the Main Reinforcement Bars*** *Wioletta Raczkiewicz* ***Fire resistance of the ceiling in the old tenement house*** *Maciej Szumigała, Łukasz Polus* ***Problems destruction of the polymer coating on the surface of facing bricks in buildings operated*** *Yakovlev G., Ginchitskaya Yu., Gordina A., Taybachtina P.* ***The laboratory examination of cement matrix with inbuilt hazardous waste*** *Božena Dohnálková, Rostislav Drochytka, Jakub Hodul*

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CRRB

Jihomoravský kraj

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16:00 – 16:10	***Determining the Condition of Reinforced and Prestressed Concrete Structures Damaged by Elevated Temperatures*** ***Iva Rozsypalová,*** *Pavel Schmid, Petr Daněk*
16:10 – 16:20	***Comparison of Measurements Methods Intended to Determination of the Shrinkage Development in Fine-grained Composites*** *Barbara Kucharczyková,* ***Ondřej Karel****, Petr Daněk, Dalibor Kocáb, Petr Pőssl*
16:20 – 16:30	***Influence of reconstruction of a small university lecture hall on indoor climate*** ***Mária Budiaková***
16:20 – 16:30	***Influence of polyolefin fibers on the strength and deformability properties of concrete*** ***Olga Smirnova***

18:30 – 00:00	***Evening scientific banquet with discussion room A424***

25th November 2016, room D182	
9:00 – 9:10	***The temperature distribution during the microwave drying of wooden elements*** ***Miloslav Novotný****, Jindřich Sobotka, Karel Šuhajda, Eva Vahalová, Zdeněk Jiroušek*
9:10 – 9:20	***Thermal protection of listed buildings in the context of fire prevention requirements*** ***Agnes Iringová***
9:20 – 9:30	***Analyst and design rehabilitation foundation of timber houses in Scandinavian climate conditions*** *Radim Kučera, Markku Hienonen,* ***Karel Šuhajda****, Kimmo Illikainen*
9:30 – 9:40	***Long-term mechanical and microstructural properties of lime mortars with different type of aggregate*** ***Martin Vyšvařil****, Tomáš Žižlavský, Patrik Bayer*
9:40 – 9:50	***Proportions-disposition Relationship and static Analysis of the Historical Truss in a Rural House in Vápenná Village*** *Peter Krušinský , Eva Capková, Jozef Gocál, Lucie Augustinková*
9:50 – 10:00	***Diagnostics of wooden columns in the open-air museum at Havranok*** *Oto Makýš, Renáta Korenková, Peter Krušinský, Dominika Šrobárová*
10:00 – 11:00	**Coffee break with POSTER SESSION**

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