

6th International Conference on Safety and Durability of Structures

13 – 15 May 2014, Wrocław, Poland

Conference Program

MONDAY, 12.05.2014

18.00 – 20.00 Registration at CDN building, pl. Grunwaldzki 24a
(unofficial welcome of guests in Lunchroom, 1 floor, CDN building)

TUESDAY, 13.05.2014

8.30 – 9.00 Registration at lobby of the Main Building, ul. Norwida 25
9.00 – 9.30 Official opening of the Conference, patio of the Main Building
9.30 – 10.00 Walk to pier „Przystań Zwierzyniecka”, ul. Zygmunta Wróblewskiego 1
10.00 – 12.30 Technical boat trip - Wrocław Waterways System
13.00 Lunch, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
14.00 – 17.50 Conference Session, Room 018, ground floor CDN building
14.00 – 15.00 Keynote lecture - Piotr Dmowski, Adam Gonera: *Innovative technologies for underground infrastructure repairs*, MC- Bauchemie
15.00 – 16.00 Safety and durability of buildings and engineering infrastructure
Chairman: prof. Silvija Strausa and dr Andrzej Pawłowski
Ricardo Branco, Carlos Moreno, Débora Ferreira, Anabela Paiva: *Application of Eurocodes 0 and 1 - Comparison with SIA 260 and 261 Swiss standards.*
Karolina Górska, Marek Wyjadłowski: *Reliability analysis of the soldier pile wall on the basis of experimental studies.*
Ulvis Skadins : *Safety level of punching shear design of concrete slabs according to European and Latvian standards.*
16.00 – 16.30 Coffee break, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
16.30 – 18:10 Safety and durability of buildings and engineering infrastructure
Chairman: prof. Jerzy Sobota and prof. Guntis Andersons
Kinga Witek, Krzysztof Parylak, Zofia Zięba, Alicja Bułdys: *The frost heaving of cohesive soils in relation to the durability of road structures.*
Jerzy Bauer, Wojciech Puła, Marek Wyjadłowski: *Load Pile Test Results as a Base for Reliability Calculation with Segmented Line as a Response Surface.*
Sylwester Kobiela, Edward Hutnik: *Design of safe long span steel roof structural systems and overview of their applications.*
Izabela Wilczyńska, Rafał Idzikowski, Bartłomiej Ćmielewski, Paweł Śniady, Kazimierz Ćmielewski: *MEMS technology in safety issues of construction Elements.*
Sylwester Kobiela, Edward Hutnik, Zenon Zamiar: *Building structural failures caused by shortcomings of design, construction and operation.*
20.00 Gala dinner, ART HOTEL, ul. Kiełbaśnicza 20, Wrocław

WEDNESDAY, 14.05.2014

10.00 – 17.50 Conference Session , Room 018, ground floor CDN building
10.00 – 11.00 Keynote lecture - Adam Wysokowski: *Current problems of durability In civil engineering structures of transport infrastructure*
11.00 – 11.30 Coffee break, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
11.30 – 12:50 Safety and durability of hydraulic and earth structures
Chairman: prof. Sylwester Kobiela and dr Zofia Zięba
Jolanta Dąbrowska, Daniel Garlikowski, Joanna Markowska, Michał Śpitalniak: *Failures and collapses of earth dams.*
Andrzej Surowiecki, Adam Balawejder, Michał Zieliński: *Numerical estimation of stability of retaining walls constructed with modular-elements.*
Adam Balawejder, Andrzej Pawłowski: *Significance of basic waste parameters in stability calculations of msw landfills.*
Waldemar Jezierski, Tadeusz Molski, Andrzej Pawłowski: *Survey of Wrocław waterways system modernization.*
13:00 Lunch, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a

14.00	–	16.00	Degradation and repairs of structures. Diagnostics, materials, methods, professional evaluation Chairman: prof. Anabela Paiva and dr Maciej Orzechowski Adam Zaborski: <i>Numerical simulation of chemo-mechanical degradation of concrete and its impact on RC structures bearing capacity.</i> Ulvis Skadins, Janis Brauns: <i>Modelling of structural performance degradation due to reinforcement corrosion.</i> Andrzej Duber, Andrzej Pawłowski: <i>Durability of concrete under long time exposure onto climatic and others deteriorating factors.</i> Alicja Bułdys, Krzysztof Parylak, Zofia Zięba, Kinga Witek: <i>Mechanical properties and durability estimation of silica fly ash concrete.</i> Krzysztof Mąkowski, Olga Grzeja, Paweł Jakubów: <i>Selected issues concerning the determination of displacement position of objects of slender steel- spatial structures.</i> Jan Kempniński, Wojciech Kilian, Robert Świerzko: <i>Evaluation of rheological parameters of portland cement paste modified with plasticizer.</i>
16.00	–	16.30	Coffee break, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
16.30	–	17.30	Investigation of technical conditions of structures Chairman: prof. Adam Wykoski and prof. Jan Kempniński Jozef Gocál, Peter Krušinský, Eva Capková, Miloš Kekeliak: <i>Geometric and static analysis of the Historical Truss in Village Belá Dulice.</i> Radosław Tatko, Maciej Orzechowski, Agata Włóka: <i>Analysis of the applicability of draw-wire linear sensors to measure displacements of building structures.</i> Maciej Orzechowski, Radosław Tatko, Jakub Szczepański, Cieshosław Patrzalek, Agata Włóka: <i>Structure health monitoring. Using draw-wire displacement sensors to determine deflection line of a timber truss members. Comparison with numerical analysis and scanning 3D.</i> Jorge Pinto, Sofia Ribeiro, Vítor Cunha, Nuno Cristelo, Anabela Paiva: <i>An input on the characterization of timber frame structural system of tabique walls.</i>
18.00			Dinner, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
THURSDAY, 15.05.2014			
9.00	–	10.30	Visiting Faculty laboratories, Start at Room 018, ground floor CDN building Geotechnical Laboratory, "Today and Tomorrow". Laboratory of Concrete Technology And Building Materials. Water Laboratory + a big scale model of Wrocław Waterways System.
10.30	–	11.00	Coffee break, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a
11.00	–	12.30	Closing of the Conference
12.30			Lunch, Lunchroom, 1 floor, CDN building, pl. Grunwaldzki 24a

Note: for each presentation 20 minutes time slot was allocated (15 minutes for presentation and 5 minutes for discussion)

CONFERENCE ORGANISERS:

Institute of Building Engineering at Wrocław University of Environmental and Life Sciences, Poland
Department of Engineering at University of Trás-os-Montes e Alto Douro Quinta de Prados, Portugal
Department of Structural Engineering at Latvia University of Agriculture, Latvia