

**SECTION II**  
**RELIABILITY AND SAFETY IN CONSTRUCTION**  
**November 14, 2018**  
14.00-18.15

**Safety of buildings and structures under special effects. Ecological safety**

<b>Submission #</b>	<b>Title of the report</b>	<b>Authors and <u>Speaker</u></b>
339	Investigation of wooden sheet pile wall in an aggressive environment using non-destructive methods	<b><u>Marek Wyjadłowski</u></b> , Tomasz Nowak and Anna Karolak
232	Research on the maximum fire smoke temperature beneath tunnel ceilings using longitudinal ventilation	<b><u>Hui Yang</u></b> , Bingyan Dong, Sijian Zhang, Dahui Sun and Kirill I. Lushin
174	Architectural design in accordance with fire requirements for condominiums in Vietnam	<b><u>Pham Trong Thuat</u></b>
194	Site control procedures for applicability and quality of Rapid Impulse Compaction	<b><u>Przemysław Dobrzycki</u></b> and Piotr Rychlewski
306	Features of optimization of model parameters for solving geotechnical problems	Armen Ter-Martirosyan, <b><u>Vitalii Sidorov</u></b> and Lubov Ermoshina
281	Determining the stability of slopes in the conditions of transport infrastructure objects construction	Zaven Ter-Martirosyan, <b><u>Armen Ter-Martirosyan</u></b> and Vitalii Sidorov
345	Durability of Concrete Reinforced by Specific Rebar	<b><u>Lyudmila Elshina</u></b>
301	Experimental studies of wind impact on coke chambers	<b><u>Vladislav Pomelov</u></b> , Olga Poddaeva and Pavel Churin
248	The kinetic parameters of aerosols formed during combustion of modified wood	<b><u>Portnov Fedor</u></b>
270	Fire-protection of wooden structures by modification in a thin surface layer	<b><u>Elena Pokrovskaya</u></b>
257	Experimental observation of visible flame propagation rate in accidental deflagration explosions and explosive load reduction	<b><u>Nikolay Gromov</u></b> and Alexander Komarov
236	Influence of the place of the expiration of gases from the placement at the fire for critical time of formation of dangerous factors of the fire	<b><u>Evgenia Chelekova</u></b>
282	Particular aspects of calculating affecting factors of fireballs emerging from aircraft crash	<b><u>Nikolay Gromov</u></b> and Alexander Komarov
85	Algorithm for calculation of channel deformation in soils of various graininess	<b><u>Anna Khodzinskaya</u></b>
353	Definition of the inspection criteria for personal protective equipment (for work at heights) on example of full body harnesses	V Vasilenko, D Korolchenko and <b><u>P N Thanh</u></b>