

**SECTION IV**  
**MODELLING AND MECHANICS OF BUILDING STRUCTURES**  
**November 15, 2018**  
10:00-12.30  
**Mechanics of Building Structures**

<b>Submission #</b>	<b>Title of the report</b>	<b>Authors and <u>Speaker</u></b>
7	Application of additive technology for the study of resonance oscillations in structures	<b><u>Evgeny Yurchenko</u></b> , Helen Yurchenko and Konstantin Makarov
88	Increasing the reliability of the soil slopes design using evolutionary modelling	<b><u>Prokurov Maxim</u></b> , Indykin Alexander and Alekseytsev Anatoliy
161	Torsion of anisotropic and non-uniform cylindrical rods with elliptical section	<b><u>Boris Mironov</u></b> and Yuriy Mironov
43	Optimization of HF waves energy source for thermal treatment of building materials	<b><u>Irina Vorotyntseva</u></b>
164	First results of pipe pile static load test in small laboratory scale	Michał Baca and <b><u>Jarosław Rybak</u></b>
125	Dynamic force analysis of a six-link planar mechani	<b><u>Algazy Zhauyt</u></b> , Yertugan Umbetku- lov, Yerlan Yeleukulov, Alfiya Atalyko- va, Gulbarshyn Smailova, Gulmira Iskako- va and Gulama-Garip Alisher Ibrayev
350	Determination of pressure in the near-ground space pile terminated and broadening of the surface	<b><u>Natalia Kupchikova</u></b>
388	Layered composite and contact layer. Normal separation and transversal strength	<b><u>Vladimir Andreev</u></b> , Robert Turusov and Nikita Tsybin