

**SECTION IV**  
**MODELLING AND MECHANICS OF BUILDING STRUCTURES**  
**November 16, 2018**  
10:00-12.00  
**Mathematical Modelling**

<b>Submission #</b>	<b>Title of the report</b>	<b>Authors and <u>Speaker</u></b>
221	Tsunamis in the East Sea and damages to the coastline of Vietnam	Izmail Kantarzhi and <b><u>Hai Hoa Nguyen</u></b>
383	Optimisation of the Orchestra Pit Acoustics in Opera Houses by Acoustical Simulations using the Finite Element Method	Jan Michael Kimmich, Anton Schlesinger, Martin Ochmann and <b><u>Stefan Frank</u></b>
220	Calculation of wave conditions in water area with sharp bottom unevenness	Igor Kantardgi and <b><u>Alexander Gogin</u></b>
343	Methods for calculating the reinforcement of concrete slabs with carbon composite materials based on the finite element model	<b><u>Vladimir Rimshin</u></b> and Ekaterina Kuzina
112	Calculation of a beam on an inhomogeneous basis	<b><u>Nikolaj Atarov</u></b>
179	Numerical modeling of wind waves affected the marine structures in the Kola Bay	<b><u>Aleksandr Anshakov</u></b> and Izmail Kantarzhi
332	Application of the successive approximation method to the analysis of bending plates	Radek Gabbasov, Vladimir Filatov and <b><u>Ni-kita Ryasny</u></b>