

InnoRenew CoE hosts

INVITED LECTURE

Expert researcher from Gdańsk University of Technology

Living Lab InnoRenew Gold Member



**5 May 2022
13:00 CEST
Online**



Dr. inz. Marcin Szczepański

works at the Faculty of Civil and Environmental Engineering at the Gdańsk University of Technology, he deals with wooden structures (usually timber frame), numerical FEM modeling, and dynamic analysis, including the analysis of collisions of wooden structures and experimental research in the field of wooden structures.

He will present the possibility of using thermal insulation in a wooden skeleton as an element stiffening the structure of the object, which significantly improves its dynamic parameters, including the dynamic response of the building due to seismic loads. He will also present dynamic numerical FEM analysis of wooden structures in the field of seismic resistance and pounding of adjacent buildings, as well as analyses of numerical modeling of the wood processing process, leading to the optimization of the wood production process. The presentation will also show the planned scope of scientific future works and possible fields of cooperation.



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