

## PROPOSALS FOR TOPICS OF DIPLOMA THESES for graduate students of the Civil Engineering Structures course

**Unit:** Institute of Building Engineering  
Division of Strength of Materials, Theory of Elasticity and Plasticity  
Division of Metal Structures

**NOTE:** In the Division of Strength of Materials, Theory of Elasticity and Plasticity, there is a possibility to arrange a topic of the thesis with a supervisor, taking into account the specified interests of a diploma student.

Supervisor	Thesis topic	Speciality
dr inż. Aleksander Szwed	Analysis of beams using nonlinear constitutive relationships of elasticity.	CES
dr inż. Aleksander Szwed	Simplified mechanical modelling of the structure of long-life asphalt pavements.	CES
dr inż. Aleksander Szwed	Evaluation of restrained shrinkage stresses in composite structures.	CES
dr hab.inż. Marcin Gajewski, prof. PW	Anisotropic materials in civil engineering problems.	CES
dr hab.inż. Marcin Gajewski, prof. PW	Stability of metal elements.	CES
dr hab.inż. Marcin Gajewski, prof. PW	Verification of the assumptions of the theory of thin-walled bars with an open section by FEM calculations.	CES