

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

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Institute of Building Engineering

Division of Concrete Structures

NOTE: In the Division of Concrete Structures, 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 Thesis scope Specialit				
Supervisor	_	-		
dr inż. Michał Głowacki	The project of selected structural elements of a multi-family residential building.	The topic and detailed scope	CES	
dr inż. Piotr Knyziak	, 55 5	of diploma should be agreed		
dr hab.inż. Robert Kowalski, prof.PW	building with a beam-and-slab structure.	with the diploma supervisor.		
dr inż. Marta Lutomirska	A five-storey reinforced concrete office building design.			
dr inż. Marcin Niedośpiał	Design of a reinforced concrete frame structure of car showroom.			
dr hab.inż. Elżbieta Szmigiera, prof.PW	Design of an overground reinforced concrete sludge tank with 5 chambers.			
dr inż. Marek Urbański	Design of a reinforced concrete structure for a residential and commercial building with			
dr inż. Maria Włodarczyk	an underground parking lot.			
	Reinforced concrete, compressed clinker tank with a diameter of 40 m and height of 40			
	m.			
	Project of natural draft cooling tower 190 meters height.			
	Design of reinforced concrete structure of a multi-storey car park.			
	Design of a reinforced concrete structure of the multifamily building on the basis of multi-			
	dimensional model in the Revit program.			
	The design of chosen structural elements of a metro station.			
	Load-carrying capacity analysis of pre-tensioned prestressed concrete tower according to			
	PN-B and PN-EN standards.			
dr inż. Marta Lutomirska	Comparative study on design of selected reinforced concrete structural elements using	The topic and detailed scope	CES	
		of diploma should be agreed		
	Reliability study on selected reinforced concrete structural elements designed to ACI	with the diploma supervisor.		
	Design Code.			
	Strengthening of reinforced concrete structural elements with FRP wraps.			
	Changararing of rannarada danarata danarara diamanta with rive with a mapo.			

dr inż. Rafał Ostromęcki	Design of the shell covered building (ie. concert hall)	Subjects refer to the shell	CES
	Design of the shell covered industrial bay	structure objects, municipal/	
	Design of the silo for coal/wheat/cement/gravel storage	industrial/storage buildings.	
	Design of the battery of silos	The detailed work scope to	
	Design of the water tower structure	be agreed with the supervisor	
	Design of the multichamber tank structure of rectangular projection		
	Design of the multichamber bunker-silo structure for coal/gravel storage		
	Design of the hoist tower structure		
	Design of the ski jump structure		
	Design of the industrial house located in the area of mining damages		
	Design of the multiduct industrial chimney		