Prospective supervisor's form

Name of the supervisor: Jarosław Przewłócki

Academic title: Prof. dr hab.inż.

Orcid ID number: https://orcid.org/0000- https://orcid.org/0000-0001-5617-290X

Faculty of Technical Fundamentals of Architecture Design

Gdańsk University of Technology **Department of** Architecture

Phone: **+48** 347 17 77

E-mail: jprzew@pg.edu.pl

Personal web page: https://pg.edu.pl/

Discipline[i] architecture and urbanism [AiU] none

Optional

Key words (obligatory four key words describing research interests / expertise):

historical buildings

old foundations

structural analysis

reliability analysis

Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 14/26
2. Citations excluding self-citations WoS 57 Scopus 74
3. Hirsch index WoS 5 Scopus 6

1. The number of PhD students who have graduated under your supervision: 3
2. The number of PhD students currently supervised:
   a. within the current doctoral school 0
   b. within doctoral studies (previous system) 1
3. Are you currently accepting new PhD students:
   a. Polish *Yes/No* Yes
   b. Foreign *Yes/No* No

Prospective supervisor's form

Research interests or topics offered for PhD research (no more than 2000 characters)[ii]

Research interests.
Basic direction of his scientific activities are researches on random events and application of probability and theory of reliability in civil engineering, in particulary in geotechnics. He specializes, among others, in slope stability problems (deterministic and probabilistic analysis), foundations of historical buildings.
Topics offered for PhD research:
1. Architectural and structural problems in historic buildings
The studies cover issues related to the assessment of technical condition, modernization, reconstruction and protection of historic structures, especially including their foundations.
2) Foundations of reliability in civil engineering
The purpose of the research is to analyse different cases of structural reliability, including the review of the basic methods of this theory, randomness of strength-load parameters in structural analysis. They include among other space truss, foundation footing or earth layer subjected to earthquake.

Funding or special equipment needed to carry out a PhD project [iii]:

1. Is funding available for experimental work: *Yes/No/not needed* — No
2. Is the equipment needed to complete a PhD project available in your lab/department: *Yes/No/not needed* — No

Most important publications – no more than 5 published after 1.01.2018

No	Authors/title/journal	Number of points according to the current list of the Ministry of Science and Higher Education	Publication year
1.	Winkelman, Zabuski, Przewłócki, Górski. Reliability-based stability analysis of a Baltic cliff by the combined Response Surface Method. Accepted for publication in Geotechnical and Geological Engineering.	70	2020
2.			

Prospective supervisor's form

3.			
4.			
5.	.		

Most recent externally funded projects you were involved in – no more than 3

No	Project title, the name of the Principal Investigator (PI) and the institution the project was carried out	Years	Role in the project [i]
1.			PI
2.			PI
3.			PI

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Additional relevant information – (no more than 1600 characters)[v]

[i] You may select up to two disciplines out of 12 disciplines represented in the Doctoral School

[ii] Observe the limit of not more than 2000 characters

[iii] Leave only one answer

[iv] Select the role in the project: PI stands for principal investigator (refers to the holder of an independent grant and the lead researcher for the grant project), Co-I for co-investigator (Co-I assists the principal investigator in the management and leadership of the research project), R for researcher

[v] Add any other relevant information e.g. awards for PhD students whom you supervised (no more than 1600 characters)