

# Prospective supervisor's form

Name of the supervisor: Czapp Stanisław

Academic title: D.Sc. Ph.D. Eng.

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Gdańsk University of Technology Faculty of Electrical and Control Engineering

Department of Electrical Power Engineering

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

Discipline: control, electronic and electrical engineering none

Optional

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

# electrical engineering

# electric devices

# power systems

# electrical safety

## Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 49/62

2. Citations excluding self-citations WoS 50 Scopus 78

3. Hirsch index WoS 6 Scopus 7

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

b. within doctoral studies (previous system) 1

3. Are you currently accepting new PhD students:

a. Polish Yes/No Yes

b. Foreign Yes/No Yes

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Research interests or topics offered for PhD research (no more than 2000 characters)<sup>ii</sup>

Topics:

1. Residual current protective device for circuits of distorted earth fault currents.
2. Protection device against fire from earth currents - concept, design, implementation.
3. Effect of power cables sheaths bonding on electric shock hazard in power substations.

Funding or special equipment needed to carry out a PhD project <sup>iii</sup>:

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.	Czapp S. / Testing sensitivity of A-type residual current devices to earth fault currents with harmonics / Sensors	100	2020
2.	Czapp S., Szultka S., Ratkowski F., Tomaszewski A. / Risk of power cables insulation failure due to the thermal effect of solar radiation / Eksploatacja i Niezawodnosc – Maintenance and Reliability	100	2020

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3.	Czapp S. / Method of earth fault loop impedance measurement without nuisance tripping of RCDs in 3-phase low-voltage circuits / Metrology and Measurement Systems	100	2019
4.	Czapp S., Borowski K. / Verification of safety in low-voltage power systems without nuisance tripping of residual current devices / Electric Power Systems Research	100	2019
5.	Czapp S., Guzinski J. / Electric shock hazard in circuits with variable-speed drives / Bulletin of the Polish Academy of Sciences: Technical Sciences	100	2018

#### 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 <sup>iv</sup>
1.	UPGRID: Real proven solutions to enable active demand and distributed generation flexible integration, through a fully controllable LOW Voltage and medium voltage distribution grid, (Zbigniew Lubośny), Gdańsk University of Technology, HORIZON 2020	2015-2017	R
2.	CERaST - Center of Excellence in Reliability and Safety Technologies at V4 Region, (Vitaly Levashenko), University of Zilina, Slovakia, Visegrad Fund	2019-2020	Co-I
3.	Effect of soil parameters on current-carrying capacity of power cables, (Stanisław Czapp - supervisor of a Ph.D. student which performs „Doktorat wdrożeniowy”), Gdańsk University of Technology	2018-2022	PI

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Additional relevant information – (no more than 1600 characters)<sup>v</sup>



- <sup>i</sup> You may select up to two disciplines out of 12 disciplines represented in the Doctoral School
- <sup>ii</sup> Observe the limit of not more than 2000 characters
- <sup>iii</sup> Leave only one answer
- <sup>iv</sup> 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
- <sup>v</sup> Add any other relevant information e.g. awards for PhD students whom you supervised (no more than 1600 characters)