

Prospective supervisor's form

Name of the supervisor

Academic title:

Orcid ID number: [https://orcid.org/0000-](https://orcid.org/0000-0001-5779-4428)

Faculty of

Gdańsk University of Technology Department of

Phone: +48

E-mail:

Personal web page: [https://pg.edu.pl/](https://pg.edu.pl/piobartl)

Discipline¹

Optional

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

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Bibliometric indicators

1. Number of journal publications in WoS/ Scopus

2. Citations excluding self-citations WoS Scopus

3. Hirsch index WoS Scopus

1. The number of PhD students who have graduated under your supervision:

2. The number of PhD students currently supervised:

a. within the current doctoral school

b. within doctoral studies (previous system)

3. Are you currently accepting new PhD students:

a. Polish Yes/No

b. Foreign Yes/No

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

My research interests include:

1. nonlinear analysis with special focus on topological degree theory,
2. dynamical systems, especially: Conley index theory and theory of chaos,
3. theory of representations of compact Lie groups,
4. homotopy theory (search for new homotopy invariants),
5. qualitative theory of differential equations (Hamiltonian systems).

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

1. Is funding available for experimental work: *Yes/No/not needed*

not needed

2. Is the equipment needed to complete a PhD project

available in your lab/department: *Yes/No/not needed*

not needed

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. | Piotr Bartłomiejczyk, Bartosz Kamedulski, Piotr Nowak-Przygodzki, Degree product formula in the case of a finite group action, New York J. Math. 25 (2019) | 70 | 2019 |
| 2. | Piotr Bartłomiejczyk, Bartosz Kamedulski, Piotr Nowak-Przygodzki, Topological degree for equivariant gradient perturbations of an unbounded self-adjoint operator in Hilbert space, Topology Appl. 275 (2020) 107037 | 70 | 2020 |

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|----|--|--|--|
| 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 ^{iv} |
|----|--|-------|-----------------------------------|
| 1. | | | PI |
| 2. | | | PI |
| 3. | | | PI |

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

I was an auxiliary supervisor in one completed doctoral proceeding at Faculty of Mathematics, Physics and Informatics of University of Gdańsk (2014). Currently, I am a supervisor in one PhD proceeding at the same faculty.

- 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)