

Prospective supervisor's form

Name of the supe

Academic title:

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

Gdańsk University of Technology Faculty of

Department of

Phone: +48

E-mail:

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

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 syste

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

Contemporary port cities are confronted with many challenges, including:

- economic and technological changes strictly related to globalization (currently local economies and technologies need to answer and quickly adapt to the global processes to remain competitive),
- population growing within metropolitan areas and shrinking within the administrative borders of the cities due to the suburbanisation process,
- limitation of spatial and environmental resources and adaptation to climate change and avoiding decreasing the environmental impact of investments,
- increasing congestion, which demands innovative tools to steer and control it, but it also needs a change of inhabitants' attitude to travelling through cities and create a need of implementing new mobility,
- larger demand for goods caused by growing number of city inhabitants and ensuring fast and safe city logistics,
- safety and security problems and ensuring good public access to public information,
- willingness to improve the quality of life of residents and quality of services.

To respond to contemporary challenges, which port cities are currently confronted, the concept of smart city and smart port was formed. This concept however is not fully systematized yet (especially in regard to intelligent seaports), and it needs proposing of new solutions and tools, as well as introducing comprehensive strategies, applying new intelligent solutions and tools, are immediately needed. Therefore the research topics connected with the current spatial needs of port cities are as follows:

1. Smart ports in smart cities
2. Intelligent logistic infrastructure within metropolitan areas
3. Shaping the interface zones between a port and a city structures
4. Large scale investments on post-port areas.

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*

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.	Krośnicka K. A, Lorens P., Mironowicz I., Bridging theory and practice in postgraduate education on development and planning: Gdynia Urban Summer Schools 2016-2018, Vol. 17, no 3, 2019, ss. 302-307, ISSN: 1446-2257 (lista MNiSW 2019: 70/3) http://www.wiete.com.au/journals/WTE&TE/Pages/Vol.17,%20No.3%20(2019)45-46.aspx	70	2019
2.			

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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.	CRUNCH – Climate Resilient Urban Nexus Choices: Operationalising the Food-Water-Energy Nexus, financed by Belmont Forum and JPI Urban Europe (call: Sustainable Urbanisation Global Initiative Food-Water-Energy Nexus), PI - Joanna Bach-Głowińska, Faculty of Architecture GUT	2018-2020	Co-I
2.	SOS WATERFRONT CLIMATE CHANGE. A STRATEGY OF EXCELLENCE IN RESEARCH AND INNOVATION TO DESIGN TOOLS FOR THE WATERFRONT TO FACE CLIMATE CHANGE, 2019 - 2021, financed by H2020 Marie Skłodowska-Curie Actions Research and Innovation Staff Exchange RISE project PI- Lucyna Nyka, Faculty of Architecture, GIIT	2019-2020	Co-I
3.			PI

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

Within the last 2 years some other papers were also prepared and published:

- Krośnicka K. (2020) Mutual benefits of shaping the students' soft urban planning skills and enhancing the local development by the "Fair of Good Practice. Small cities - big challenges" program (2016-2018), World Transactions on Engineering and Technology Education, Vol.18, No.1, 2020, IN PRINT (70 pkt)
- Krośnicka K. A. (2018) Miasto portowe –struktura, wyzwania funkcjonalne i modele rozwoju [in:] ed. G. Rembarz, „Mieszkać w porcie”, Studia KPZK PAN, t. 188: pp. 33-46 (B-283 - 9 pkt)
- Tankiewicz M., Krośnicka K. (2018) Możliwości aplikacji teoretycznych modeli obiektów transportowo-logistycznych współpracujących z morskimi terminalami kontenerowymi portów Trójmiasta, Inżynieria Morska i Geotechnika (B-721-6 p.)
- Krośnicka K. A., Kostrzevska M., Bach-Głowińska J. (2019) Gdyńska Letnia Szkoła Urbanistyki. Dyskusja o modelach miast przyszłości. Gdyńska Letnia Szkoła Urbanistyki [in:] I. Mironowicz (ed.) Biuletyn urbanisty, Wydawnictwo TUP, pp. 179-189
- Krośnicka K. A. (2019) Maritime heritage of small port towns of the Polish coast [in:] PORTUS: the online magazine of RETE, n37, May 2019, Year XIX, Venice, RETE Publisher, ISSN 2282-5789, URL: http://portusonline.org/en/category/this_issue/37/report-this-issue-37/

and 2 monographs were edited:

- Krośnicka K., Stęszewska A. (eds.) Studia Trójmiejskie t. 1 „Z historii kształtowania metropolii Trójmiasta” TUP o

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)