

Name of the advisor: Jacek Rak

Academic title: DSc, PhD, Eng.

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Disciplineⁱ Technical informatics and telecommunications

Bibliometric indicators

1.	Number of journal publications in WoS/ Scopus	26/34
2.	Citations (WoS/Scopus) excluding self-citations	187/352
3.	Hirsch index (WoS/Scopus)	10/12
4.	Hirsch index in Google Scholar	14
5.	Citarions in Google Scholar	593

1. The number of PhD students who have graduated under your supervision: 0

2. The number of PhD students currently supervised: 2

3. Are you currently accepting new PhD students:

- a. Polish Yes
- b. Foreign Yes

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

The research area under my supervision is resilience of communication networks (i.e., the ability of a network to provide and maintain an acceptable level of service in the face of various faults and challenges to normal operation. A special focus is on network design issues (both topology- and technology related) and network dimensioning/routing problems to improve the availability of network services under either single, or multiple failures following from random events or malicious activities (see Rak, J.: Resilient Routing in Communication Networks, Springer, 2015).

PhD Advisor form

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

1. Is funding available for experimental work: No
2. Is the equipment needed to complete a PhD project available in your lab/department: Yes

Most recent publications in WoS/SCOPUS journal – no more than 5 published after 1.01.2017

No	Authors/title/journal	Journal IF/Quartile – for WoS and SNIP/ CiteScore for SCOPUS	Publication year
1.	Hoedt, M., Gierłowski, K., Rak, J., Wozniak, J. (2018), Non-satellite Maritime Communications in the netBaltic System, Polish Maritime Research, vol. 2/2018, pp. 14-26,	0.763 /Q3/ 0.99	2018
2.	Myslitski, K., Rak, J., Kuszner, Ł. (2017), Towards Fast Calculation of Communication Paths for Resilient Routing, Networks, Wiley, vol. 69, no. 12, pp. 308-326, ImpactFactor(2016/17) = 1.213	1.121/Q1/1.44	2017
3.	Rak, J., Papadimitriou, D., Niedermayer, H., Romero, P. (2017), Information-driven network re-silience: research challenges and perspectives, Optical Switching and Networking, Elsevier, pp. 156-178, ImpactFactor(2015/16) = 0.742	1.113/Q2/1.65	2017
4.			
5.			

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

No	Project title, the name of the Princ. Investigator (PI) and the institution the project was carried out	Year awarded	Role in the project
1.	CA15127-RECODIS (COST Action): Resilient Communication Services Protecting End-user Applications from Disaster-based Failures, Action Chair, COST Association Brussels	2015	PI
2.	netBaltic - Non-satellite Wireless Communications over the Baltic Sea, Polish National Centre for Research and Development (NCBiR), Grant PBS 3/A3/20/2015, 2015?2018	2015	R

PhD Advisor form

3.			Wybierz element.
Additional relevant information – (no more than 1600 characters)^{iv} -			

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 300 words

ⁱⁱⁱ Leave only one answer

^{iv} Add any other relevant information eg. awards for PHD students whom you supervised (no more than 200 words)