

Prospective supervisor's form

Name of the supervisor: Jerzy Konorski

Academic title: dr hab

Orcid ID number: <https://orcid.org/0000-0002-3091-1628>

Gdańsk University of Technology Faculty of Electronics, Telecommunications and Informatics

Department of Computer Communications

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Discipline: technical informatics and telecommunicator none

Optional

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

distributed systems

trust and reputation building

incentive compatibility

game theory

Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 30 (Scopus), 19 (WoS)

2. Citations excluding self-citations WoS 60 Scopus 251-own

3. Hirsch index WoS 4 Scopus 7

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) 2

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)ⁱⁱ

Incentive compatible reputation systems applied in multihop wireless networks and information-centric networks; trust building in cooperative communication schemes; mitigation of fake VIP attacks, time-constrained stolen-credentials attacks in trust networks; traffic remapping attacks in multiservice networks with QoS differentiation; game-theoretic solutions for service exchange in multiagent systems.

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

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

2. Is the equipment needed to complete a PhD project available in your lab/department: *Yes/No/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.	S. Szott, J. Konorski: Traffic Remapping Attacks in Ad Hoc Networks, IEEE Communications Magazine, Vol. 56, No. 4, April 2018, pp. 218-224 (IEEE Xplore DOI: 10.1109/MCOM.2018.1700061)	200	2018
2.	S. Szott, J. Konorski: Selfish Attacks in Two-Hop IEEE 802.11 Relay Networks: Impact and Countermeasures, IEEE Wireless Communications Letters, Vol. 7, Issue 4, Aug. 2018, pp. 658 – 661 (IEEE Xplore DOI: 10.1109/LWC.2018.2809726)	100	2018

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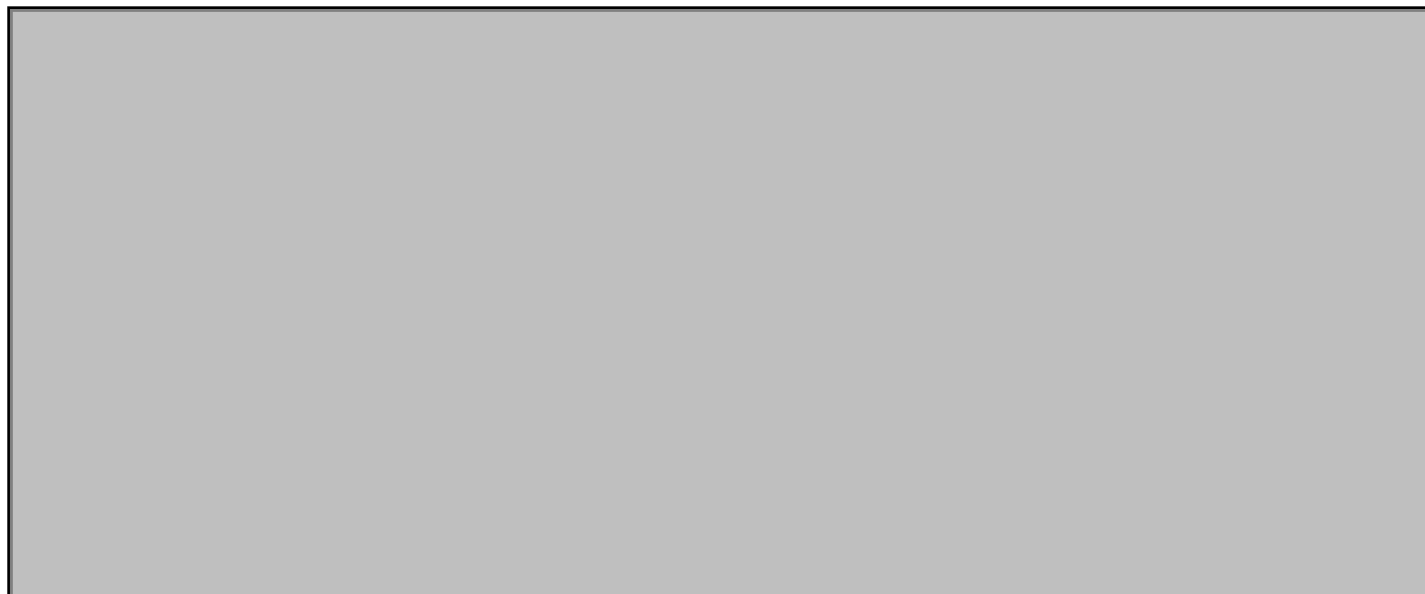
3.			
4.			
5.			

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.	Reputation and trust building in computer communication systems under virtual anonymity and blind service provider selection, National Science Centre, Poland	2017-2020	PI
2.	"Information and Cooperation in Self-Organizing Networks", European Office of Aerospace Research and Development, Air Force Office of Scientific Research (USA)	2011-2012	PI
3.	"Information Transfer in Wireless Networks" European Office of Aerospace Research and Development, Air Force Office of Scientific Research (USA)	2007-2010	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)