

**Name of the advisor: Maciej Niedźwiecki**

**Academic title: professor PhD D.Sc, Eng.**

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**Discipline<sup>i</sup> Control, electronic and electrical engineering**

**Bibliometric indicators**

1.	Number of journal publications in WoS/ Scopus	106/130
2.	Citations (WoS/Scopus) excluding self-citations	355/510
3.	Hirsch index (WoS/Scopus)	14/13
4.	Hirsch index in Google Scholar	22
5.	Citations in Google Scholar	1623

1. The number of PhD students who have graduated under your supervision: 10

2. The number of PhD students currently supervised: 1

3. Are you currently accepting new PhD students:

- a. Polish Yes
- b. Foreign No

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

Identification of nonstationary systems; active noise control, elimination of impulsive disturbances; parametric spectrum estimation

PhD Advisor form

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

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

**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.	M. Niedźwiecki, M. Meller, D. Chojnacki, "Lattice filter based multivariate autoregressive spectral estimation with joint model order and estimation bandwidth adaptation", to appear in IEEE Transactions on Automatic Control, vol. 64.	IF=5.007, Q1, CiteScore=5.90	2019
2.	M. Niedźwiecki, M. Ciołek, "On noncausal identification of nonstationary multivariate autoregressive processes", IEEE Transactions on Signal Processing, vol. 67, pp. 769-782.	IF=4.203, Q1, CiteScore=5.64	2019
3.	M. Niedźwiecki, M. Ciołek, "Identification of nonstationary multivariate autoregressive processes – Comparison of competitive and collaborative strategies for joint selection of estimation bandwidth and model order", Digital Signal Processing, vol. 78, pp. 72-81, 2018.	IF=2.241, Q2, CiteScore=2.73	2018
4.	M. Niedźwiecki, M. Ciołek, "New semicausal and noncausal techniques for detection of impulsive disturbances in multivariate signals with audio applications", IEEE Transactions on Signal Processing, vol. 65, pp. 3881-3892.	IF=4.203, Q1, CiteScore=5.64	2017
5.	M. Niedźwiecki, M. Ciołek, Y. Kajikawa, "On adaptive covariance and spectrum estimation of locally stationary multivariate processes", Automatica, vol. 83, pp. 1-12.	IF=6.126, Q1, CiteScore=7.45	2017

**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.	"Generalized Savitzky-Golay filters for identification and smoothing of nonstationary processes", PI - Maciej Niedźwiecki, NCN (Opus)	2018	PI
2.	"Estimation of covariance and spectral characteristics of locally stationary stochastic processes", PI - Maciej Niedźwiecki, NCN (Opus)	2015	PI

PhD Advisor form

3.	"Elimination of impulsive disturbances from audio signals ", PI - Maciej Niedźwiecki, NCN (Opus)	2013	PI
<b>Additional relevant information – (no more than 1600 characters)<sup>iv</sup></b> (Please fill in here)			

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<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 300 words

<sup>iii</sup> Leave only one answer

<sup>iv</sup> Add any other relevant information eg. awards for PHD students whom you supervised (no more than 200 words)