

Name of the advisor: Lentka Grzegorz**Academic title:** PhD, DSc, Eng.Orcid ID number: <https://orcid.org/0000-0003-1221-7357>**Department of** Metrology and Optoelectronics**Faculty of** Electronic, Telecommunications and Informatics**Gdańsk University of Technology****Phone:** +48-58-347-2197**E-mail:** grzlentk@pg.edu.pl**Personal web page:** https://pg.edu.pl/84281e5e37_grzegorz.lentka**Disciplineⁱ** Control, electronic and electrical engineering**Bibliometric indicators**

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|----|-------------------------------------------------|---------|
| 1. | Number of journal publications in WoS/ Scopus | 27/48 |
| 2. | Citations (WoS/Scopus) excluding self-citations | 151/127 |
| 3. | Hirsch index (WoS/Scopus) | 8/9 |
| 4. | Hirsch index in Google Scholar | 9 |
| 5. | Citations in Google Scholar | 361 |

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

2. The number of PhD students currently supervised: 1

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

Impedance measurement methods and instruments for diagnostic of technical objects with the aid of impedance spectroscopy, digital signal processing methods usage in metrology, use of designed shape signals for measurement methods, electronics for impedance sensors (smart impedance sensors), energy measurement methods for low power circuits (e.g. energy harvesting efficiency evaluation, power consumption optimization for low power applications)

PhD Advisor form

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

1. Is funding available for experimental work: Yes
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. | Lentka G.: Scalable Measurement System for Multiple Impedance Gas Sensors// MAPAN-Journal of Metrology Society of India. -Vol. 32, iss. 3 (2017), s.223-228 | 0.611 0.856 | 2017 |
| 2. | Ryl J., Gawe ³ Ł., Ciedzik M., Gerengi H., Lentka G., Slepski P.: Instantaneous Impedance Analysis of Non-Stationary Corrosion Process: a Case Study of Carbon Steel in 1M HCl// International Journal of Electrochemical Science. -Vol. 12, (2017), s.6908-6919 | 1.369 | 2017 |
| 3. | Lentka G., Palmowski D., Hojka A.: On the use of a charge balancing method for low energy measurements// Przegl ¹ d Elektrotechniczny. -, iss. 10 (2017), s.77-80 | NA | 2017 |
| 4. | Lentka G., Slepski P., Palmowski D.: Programmable dynamically changing RC model for evaluation of Dynamic EIS methods and instrumentation// Przegl ¹ d Elektrotechniczny. -, iss. 11 (2018), s.59-62 | NA | 2018 |
| 5. | Palmowski D., Lentka G., Rutkowski J.: A Set of Low-power Microcontroller-based Modules Used for Testing of Small Energy Measurement Methods// Przegl ¹ d Elektrotechniczny. -, iss. 11 (2018), s.55-58 | NA | 2018 |

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. | MOST DANYCH Multidyscyplinarny Otwarty System Transferu Wiedzy – etap II: Open Research Data, dr inż. Pawe ³ Lubomski, Centrum Us ³ ug Informatycznych, Gdansk University of Technology | 2018 | R |
| 2. | NR01-0051-10/2010 "Opracowanie rodziny telemetrycznych analizatorów impedancji nowej generacji do szybkiej spektroskopii impedancyjnej dla celów monitorowania i diagnostyki obiektów technicznych, zwłaszcza w terenie", dr inż. Jerzy Hoja, WETI PG | 2010 | co-PI |

PhD Advisor form

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|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|-------|
| 3. | LIDER/22/103/L-2/10/NCBiR/2011, Wieloczujnikowy system pomiaru zanieczyszczeń powietrza, dr inż. Grzegorz Jasiński, WETI PG | 2011 | co-PI |
| 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)