

Qualifications of the individual for defining area of expertise

<i>Name/ Birth year</i>	Piotr Augustyniak / 1965
<i>Title (year degree obtained) / Prof. status</i>	Ph. D. EE. (1995) / research scientist DSc. (2004) / associate professor Professor (2013)
<i>Address¹</i>	AGH University of Science and Technology, 30, Mickiewicza Ave. 30-059 Krakow, Poland phone: (+4812) 6174712 fax: (+4812) 6341568, mobile: +48 697032858 august@agh.edu.pl , http://home.agh.edu.pl/august
<i>Area of expertise²</i>	biomedical signal processing, visual pursuit and human perception, medical electronic equipment.
<i>Relevant (best) publications³</i>	<ol style="list-style-type: none"> 1. Agnieszka Świerkosz, Piotr Augustyniak, <i>Optimizing Wavelet ECG Watermarking to Maintain Measurement Performance According to Industrial Standard</i>. Sensors, vol. 18 paper. 3401, 2018 IF: 3.031 2. Jaromir Przybyło, Elias Kańtoch, Piotr Augustyniak, Eyetracking-based assessment of affect-related decay of human performance in visual tasks. Future Generation Computer Systems. 92, pp 504–515, IF: 5.768 3. Piotr Augustyniak, <i>Adaptive sampling of the electrocardiogram based on generalized perceptual features</i>. Sensors, vol. 20(2) paper. 373, 2020 IF: 3.031 4. Augustyniak P. Diagnostic Interpretation of Non-Uniformly Sampled Electrocardiogram. Sensors — 2020 vol. 21 art. no. 2969, IF: 3,756 5. Mohammad Shahbakhti, ..., Piotr Augustyniak, et al. Simultaneous Eye Blink Characterization and Elimination From Low-Channel Prefrontal EEG Signals Enhances Driver Drowsiness Detection IEEE Journal of Biomedical and Health Informatics, Vol. 26, No. 3, March 2022, pp. 1001-1012, IF: 5,772
<i>Publications statistics:</i>	Google Scholar: Publications: 273, Citations: 1244, H-index: 17 Scopus: Publications: 130, Citations: 588, H-index: 12 Web of Science: Publications: 111, Citations: 412, H-index: 11
<i>Other⁴</i>	<p><i>didactic responsibilities</i></p> <p>1995 - to date, Lecturer at AGH-UST, "Signal processing in medical technology" 1998 - to date, Lecturer at AGH-UST, "Advanced mathematics in biosignal processing", "Electronic medical equipment" etc. 1995 - to date, AGH-UST, supervision of 10 PhD, 62 Master's, 33 BSc students, with their thesis/diploma 2001 - 2003 participant of the International Visegrad Fund project on BME education 2005 – 2012 head of the Multidisciplinary School of Engineering in Biomedicine 2018 - head of the Department of Biocybernetics and Biomedical Engineering</p> <p><i>major grants (as Principal Investigator)</i></p> <p>Title: Optimization of the software of cardiac telemonitoring recorder Period: 2004-2007 Centre: AGH University of Science and Technology (3T11E 00127) Funds: State Committee for Scientific Research: EUR 115.000 Number of persons: 12</p>

¹ Organisation, street address, telephone, email, web page

² With keywords characterising your field(-s) of expertise

³ Max. 10

⁴ List didactic, major grants, conference responsibilities, professional recognitions, memberships, journals, patents, etc.

	<p>Title: Investigation of multimodal sensing of selected physiological parameters in human with assessment of their utility in the premise infrastructure of disabled Period: 2008-2012 Centre: AGH University of Science and Technology (N N518 426736) Funds: State Committee for Scientific Research: EUR 212.000 Number of persons: 15</p> <p>Title: Relationships between thermoregulation, fluid balance and exercise capacity in chronic heart failure Period: 2020-2024 Centre: John Paul II Hospital in Krakow Funds: State Committee for Scientific Research: EUR 147.000 Number of persons (in AGH-UST): 3</p> <p><i>invited lectures</i></p> <ul style="list-style-type: none"> • Conference on Biocybernetics and Biomedical Engineering 2007 • International Conference on Information Technology in Biomedicine 2008 • Conference on Medical Informatics and Technologies 2011 • Conference on Measurement and Modelling in Medicine 2011 • International Conference on Innovative Technologies in Biomedicine 2013 <p><i>memberships</i></p> <ul style="list-style-type: none"> • Polish Society of Medical Physics - since 1995 • Polish Association Biomedical Engineering - since 2003 • IEEE Engineering in Biology and Medicine Society (M'2004, SM'2009) • IEEE Signal Processing Society (elected Chair 2019 – 2023) • International Society of Electrocardiology – since 2005 • elected member of the Committee for Technical Sciences, Polish Academy of Arts and Sciences (2011 – 2023) • elected member of the Committee for Biocybernetics and Biomedical Engineering, Polish Academy of Science (2011 – 2023) • elected member of the Council of Scientific Excellence (2019 – 2023) <p><i>reviewer of papers submitted to</i></p> <ul style="list-style-type: none"> • IEEE Transactions of Biomedical Engineering • IEEE Transactions of Information Technology in Biomedicine • Computer Methods and Programs in Biomedicine (Elsevier) • Optoelectronic Review (Springer) • Journal of Medical Imaging and Health Informatics (Am. Sci. Publishers) • Journal of Electrocardiology (Elsevier) • Sensors (MDPI) • Pattern Analysis and Applications (Springer) • Medical Engineering & Physics (Elsevier) <p><i>reviewer of research project applications to:</i></p> <ul style="list-style-type: none"> * National Centre for Research and Development * National Science Centre
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