

Qualifications of the individual for defining area of expertise

Name/ Birth year	Adam Piórkowski	ORCID: 0000-0003-4773-5322
Title (year degree obtained) / Prof. status	Ph. D. (2005) / computer science DSc. (2015) / biocybernetics and biomedical engineering Prof. AGH (2019)	
Address	AGH University of Science and Technology, 30, Mickiewicza Ave. 30-059 Krakow, Poland phone: (+4812) 6174656 pioro@agh.edu.pl, http://home.agh.edu.pl/pioro	
Area of expertise	medical informatics, image processing	
Relevant (best) publications	<ol style="list-style-type: none"> Piórkowski A., Nurzyńska K., Gronkowska-Serafin J., Selig B., Boldak C., Reska D.: Influence of applied corneal endothelium image segmentation techniques on the clinical parameters. <i>Computerized Medical Imaging and Graphics</i>, 55, 13-27, 2017. IF⁽²⁰¹⁷⁾ = 2.435 Nurzyńska, K., Mikhalkin A., Piórkowski A.: CAS: Cell Annotation Software – Research on Neuronal Tissue Has Never Been so Transparent. <i>Neuroinformatics</i>, 15(4), 365-382, 2017. IF⁽²⁰¹⁷⁾ = 3.852 Szostek K., Piórkowski A.: Real-time simulation of ultrasound refraction phenomena using ray-trace based wavefront construction method. <i>Computer Methods and Programs in Biomedicine</i>, 2016 vol. 135, s. 187–197. IF⁽²⁰¹⁶⁾ = 2.503 Oszust M., Piórkowski A., Obuchowicz R.: No-reference image quality assessment of magnetic resonance images with high-boost filtering and local features. <i>Magnetic Resonance in Medicine</i>, Vol. 84 Iss. 3, 2020, pp. 1648-1660, IF=3.858⁽²⁰¹⁹⁾ Obuchowicz, R., Urbanik, A., Piórkowski, A.: Novel Technique for Growth Plate Analysis Based on the Superposition of T1-and T2-weighted MR Imaging of Adolescent Wrists. <i>Magnetic Resonance in Medical Sciences</i>, 2020; 19(3): 259–267, IF=1.890⁽²⁰¹⁹⁾ Obuchowicz, R., Oszust, M., Bielecka, M., Bielecki, A., Piórkowski, A.: Magnetic Resonance Image Quality Assessment by Using Non-Maximum Suppression and Entropy Analysis. <i>Entropy</i>, 22(2), 220, 2020, IF⁽²⁰¹⁹⁾ = 2.419 Stępień, I., Obuchowicz, R., Piórkowski, A., Oszust, M.: Fusion of Deep Convolutional Neural Networks for No-Reference Magnetic Resonance Image Quality Assessment. <i>Sensors</i>, 2021, 21(4), 1043, IF⁽²⁰¹⁹⁾ = 3.275 Obuchowicz, R., Nurzynska, K., Obuchowicz, B., Urbanik, A., Piórkowski, A.: Use of Texture Feature Maps for the Refinement of Information Derived from Digital Intraoral Radiographs of Lytic and Sclerotic Lesions. <i>Applied Sciences</i>, 9(15), 2968, 2019, IF⁽²⁰¹⁹⁾ = 2.217 Obuchowicz, R., Piórkowski, A., Urbanik, A., Strzelecki, M.: Influence of Acquisition Time on MR Image Quality Estimated with Nonparametric Measures Based on Texture Features. <i>BioMed Research International</i>, Article ID 3706581 DOI: 10.1155/2019/3706581, 2019. IF⁽²⁰¹⁹⁾ = 2.197 	
Publication statistics:	Web of Science: 380 cities, (303 non-self), h-index = 11 Scopus: 451 cities, (353 non-self), h-index = 12	
Patents:	Kempny A., Piórkowski A., Piątek P., Gackowski A.: System and method for transesophageal echocardiography simulations. European Patent Application , EP 2 538 398 A1, Application number: 11461521.4, Date of filing: 19.06.2011, date of publication: 26.12.2012, granted: 24.03.2015	

<i>Awards</i>	<p>2018 – <i>Polski Produkt Przyszłości</i> 2019 – wyróżnienie <i>Teraz Polska</i> – <i>Nowatorski system do symulacji w obszarze echokardiografii przezprzelykowej MrTEEmothy</i></p>
<i>Other</i>	<p><i>didactic responsibilities</i></p> <ul style="list-style-type: none"> - Image Processing, - Data Bases in Biology and Medicine, - Operating Systems, - Data Bases, - Advanced Data Bases, - Formal Languages And Automata Theory - Compilers Construction, - Component Technologies. <p><i>reviewer of papers submitted to</i></p> <ul style="list-style-type: none"> • International Journal of Applied Mathematics and Computer Science • Computers and Geosciences • Computerized Medical Imaging and Graphics • Computer Methods and Programs in Biomedicine (outstanding review award) • JSM Ophthalmology • Journal of Medical Informatics and Technologies • Pattern Recognition • Journal of Digital Imaging • IEEE Transactions on Biomedical Engineering • Computers in Biology and Medicine • IEEE Transactions on Information Technology in BioMedicine • Journal of King Saud University - Computer and Information Sciences • Expert Systems With Applications • Electronics • Computers & Electrical Engineering • Expert Systems • Sensors • Applied Mathematics and Computer Science