

(may not exceed 2 pages)

Qualifications of the individual for defining area of expertise in Biosignal Group

<i>Name/ Birth year</i>	Magdalena Smoleń
<i>Title (year degree obtained) / Prof. status</i>	Ph. D. BME. (2013) / assistant professor
<i>Address¹</i>	AGH University of Science and Technology, 30 Mickiewicza Ave., 30-059 Krakow, Poland phone: (+4812) 6174370 msmolen@agh.edu.pl
<i>Area of expertise²</i>	registration and processing of human biomedical signals (during different mental and physical states), medical electronic equipment
<i>Relevant (best) publications³</i>	<ol style="list-style-type: none"> 1. Molina Arias, L., Iwaniec, M., Pirowska, P., Smoleń, M., & Augustyniak, P. (2023). Head and Voice-Controlled Human-Machine Interface System for Transhumeral Prosthesis. <i>Electronics</i>, 12(23), 4770. https://doi.org/10.3390/electronics12234770 2. Smoleń, M., & Augustyniak, P. (2020). Assisted Living System with Adaptive Sensor's Contribution. <i>Sensors</i>, 20(18), 5278. https://doi.org/10.3390/s20185278 3. Smoleń, M. (2019). Consistency of Outputs of the Selected Motion Acquisition Methods for Human Activity Recognition. <i>Journal of Healthcare Engineering</i>. https://doi.org/10.1155/2019/9873430 4. Augustyniak, P., Smoleń, M., Mikrut, Z., & Kańtoch, E. (2014). Seamless Tracing of Human Behavior Using Complementary Wearable and House-Embedded Sensors. <i>Sensors</i>, 14(5), 7831-7856. https://doi.org/10.3390/s140507831
<i>Other⁴</i>	<p><i>didactic responsibilities</i></p> <p>2013 - to date, Teacher at AGH-UST, "Medical electronic equipment" – laboratory and project classes</p> <p>2020 - to date, Teacher at AGH-UST, "Multimodal Interfaces" – laboratory classes</p> <p>2013 - to date, AGH-UST, supervision of Master's and BSc students, with their thesis/diploma</p> <p><i>major grants (as Investigator)</i></p> <p>Title: Investigation of multimodal sensing of selected physiological parameters in human with assessment of their utility in the premise infrastructure of disabled</p> <p>Period: 2008-2012</p> <p>Centre: AGH University of Science and Technology (N N518 426736)</p> <p>Funds: State Committee for Scientific Research: EUR 212.000</p> <p>Number of persons: 15</p> <p><i>reviewer for papers submitted to</i></p> <ul style="list-style-type: none"> – IEEE Transactions on Biomedical Engineering – Medical Engineering & Physics – Bio-Algorithms and Med-Systems – IEEE Journal of Biomedical and Health Informatics

¹ Organisation, street address, telephone, email, web page² With keywords characterising your field(-s) of expertise³ Max. 10⁴ List didactic, major grants, conference responsibilities, professional recognitions, memberships, journals, patents, etc.