

Qualifications of the individual for defining area of expertise

<i>Name/ Birth year</i>	Katarzyna Smelcerz / 1987
<i>Title (year degree obtained) / Prof. status</i>	Master of Science in Engineering (2012) / Research and Teaching Assistant
<i>Address¹</i>	AGH University of Krakow, 30, Mickiewicza Ave. 30-059 Krakow, Poland ksmelcerz@agh.edu.pl ResearcherID: 55998927500 ORCID: 0000-0002-7291-6136
<i>Area of expertise²</i>	Hardware design, embedded software, ESP, ARM STM, IoT, mobile low power systems, Cosmic ray detection (muons), radiation detection, muonography
<i>Relevant (best) publications³</i>	1. Homola, P.; Beznosko, D.; Bhatta, G.; Bibrzycki, Ł.; Borczyńska, M.; Bratek, Ł.; Budnev, N.; Burakowski, D.; Alvarez-Castillo, D.E.; Almeida Cheminant, K., et al. Cosmic-Ray Extremely Distributed Observatory. <i>Symmetry</i> 2020, <i>12</i>, 1835. https://doi.org/10.3390/sym12111835 2. K.Smelcerz, K.; Kopański, K.; Noga, W.; et al. A communication solution for portable detectors of the Cosmic Ray Extremely Distributed Observatory, PoS (ICRC2019) 428, https://doi.org/10.48550/arXiv.1908.11288 3. The CREDO collaboration, N. Dhital, P. Homola, D. Alvarez-Castillo, D. Góra, H. Wilczyński, K. Almeida Cheminant, et. al. Cosmic ray ensembles as signatures of ultra-high energy photons interacting with the solar magnetic field, <i>Journal of Cosmology and Astroparticle Physics</i>, Volume 2022, March 2022, DOI 10.1088/1475-7516/2022/03/038
<i>Publications statistics:</i>	Google Scholar: Publications: 47, Citations: 209, H-index: 7 Scopus: Publications: 24, Citations: 80, H-index: 5
<i>Other⁴</i>	<i>didactic responsibilities</i> 2012 – 2024, embedded programming laboratories at Cracow University of Technology 2024 – to date, programming laboratories at AGH-UST <i>major scholarship</i> Title: International Atomic Energy Agency (IAEA) training on muonography and gaseous detectors, Paris Saclay Period: June 2024

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.