Candidate supervisor's information summary form

maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Adam Baryłka , dr hab. inż.	
Scientific discipline/ disciplines	Civil Engineering, Geodesy and Transportation
Professional development (degrees and titles) in chronological order	2014 – PhD in technical sciences, civil engineering, Military University of Technology 2022 – Habilitated Doctor of Technical Sciences, Military University of Technology
Most important publications/ patents in the last 3 years (maximum 10)	1. Obolewicz J, Baryłka A, Szota M, Culture on construction objects, Journal of Achievements in Materials and Manufacturing Engineering, DOI: 10.5604/01.3001.0053.4036 2. Obolewicz J, Baryłka A, Szota M, Borkowski S., Improving activities in the processes of ensuring the quality of education in higher education schools and scientific institutes, Journal of Achievements in Materials and Manufacturing Engineering DOI: 10.5604/01.3001.0054.0110 3. Borkowski S., Szota M, Baryłka A, Bajor T, Przybytniowski J. The role of technology in industry according to the BOST method, Journal of Achievements in Materials and Manufacturing Engineering, DOI: 10.5604/01.3001.0053.9494 4. Obolewicz J. Baryłka A., The Importance of Execution Design as an Important Element of Improving Construction Projects, Modern Engineering 5. Szeląg R. Baryłka A, Safety of the redevelopment with regard to the load-bearing capacity of the foundations, Safety Engineering of Anthropogenic Objects, https://doi.org/10.37105/iboa.243 6. Harmata W, Szcześniak Z, Sobiech, Baryłka A. Elimination of contamination at entry nodes in fixed contamination protection facilities, Safety Engineering of Anthropogenic Objects, https://doi.org/10.37105/iboa.242 7. Żółtowski M, Baryłka A. , Ogrodnik P, Rutkowska G. Modal analysis research for prevending bridge construction disasters, Safety Engineering of Anthropogenic Objects, https://doi.org/10.37105/iboa.234 8. Szulej J. Ogrodnika P., Chyliński F. Klimek B. Powęzka A. Żółtowski M. The Use of Recycled Ceramics and Ash from Municipal Sewage Sludge as Concrete Fillers, MDPI https://doi.org/10.3390/su162411251
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Assistant supervisor in the doctoral dissertation of Katarzyna Nikorowicz-Zatorska, MSc: Spatial location of airports as an element shaping the safety of air transport in Poland Reviewer of the doctoral dissertation

	• Adam Dorosz, M.Sc., Eng., "The use of computational fluid dynamics methods to assess the possibility of evacuation during a fire, implementation into the design process". • MSc. Eng. Andrzej KRAUZE, "Analysis of the impact of temperature on building elements in fire conditions using experimental methods and computer models". • Magdalena Sosnowska, M.Sc., Eng., entitled: "Modeling of coupled thermodiffusion using the spatiotemporal element method". • Marcin Fryda, M.Sc., Eng., "The influence of structural leaks in vertical escape routes on the operation of pressure differential systems".
Achievements in the area of projects/grants (in the last 5 years)	The professional development programme is implemented under the Regional Operational Programme for 2014-2020 co-financed by the European Social Fund (Priority Axis 12 – Education, qualifications and competences, Measure 12.4 – Vocational education. Coordination of the project within the structure of the Scientific and Technical Association of the Warsaw Branch of SIMP. The project is implemented under the Regional Operational Programme of the Mazowieckie Voivodeship for 2014-2020, Priority X "Education for the development of the region", Measure 10.3. "Continuing professional development", Sub-measure 10.3.1 Continuing professional development co-financed by the European Union under the European Social Fund. Project coordination within the structure of the Scientific and Technical Association Warsaw Branch of SIMP.
Subject area of the research project for which the candidate student is being recruited	1. Special facilities for national defense and security, 2. Digitization of the construction process, 3. Construction in closed areas,
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