



Sebastian Skoczypiec

Academic degrees: BEng, PhD, DSc, ProfTit

Position: professor

Engineering - technical field

Discipline Mechanical engineering

Academic qualifications:

Head of Chair of Production Engineering, Faculty of Mechanical Engineering, Cracow University of Technology

Membership in professional and academic boards :

Member of the Committee of Production Engineering of the Polish Academy of Science (since 2016, since 2024 President of the Committee); member of the Academy of Engineering in Poland (since 2018, since 2022 Vice President of Academt); member of European Scientific Association for Material Forming (ESAFORM). Member of group in charge at the Ministry of Science and Higher Education (evaluate applications and reports under the program of implementation doctorates).

Academic merits :

Author and co-author of over 150 publications in international and national journals, monographs and conference proceedings. Author of two scientific monographs. The contractor in 16 projects (international, development or personal ones) carried out for national companies i.e. P.P.U.H. Witold Bryk, ERKO sp. z o.o., POLTRA Sp. z o.o., Limatherm SA and international companies, i.e. Philips, General Electric Superabrazives, Diamond Innovation. Main theses and conclusions that result from my studies are presented in professional international literature (e.g. The International Journal of Advanced Manufacturing Technology, Precision Engineering, Key Engineering Materials, Micromachines, Archives of Civiland Mechanical Engineering, Journal of Testing and Evaluation). I also presented my results at prestigious international professional conferences, i.e. The International Symposium on Electromachining (2001, 2007, 2010, 2013 and 2016), the euspen International Conference & Exhibition (2006, 2012 and 2013) and ESAFORM (2012, 2013, 2014 and 2018, 2020,). Supervisor of 3 PhD dissertations and 3 doctoral proceeding. Expert activity for European Commission (programmes FP7 & H2020), expert for the National Centre for Research and Development. Awards: prize for the best publication of 2007 by the Director of the Institute of Advanced Manufacturing Technology; Reward of His Magnificence Rector of the Cracow University of Technology for the scientific achievements (2014 & 2020).

Professional qualifications/language skills

Fluent in spoken and written English

Research field :

Scientific-research and publication activities focus on the unconventional methods of manufacturing machine parts and tools. Area of specialization in the field of unconventional processes: electrochemical machining (ECM), electrodischarge machining (EDM), laser machining (LBM), integration of manufacturing techniques into single machine tool (hybrid or sequential machining, integration with additive manufacturing processes). My special attention is connected with adaptation of these method to micromanufacturing, i.e. application for machine parts and tools of characteristic dimensions below < 1 mm. The scope of scientific work connected with theoretical and technological basics of above-mentioned technologies. Broad experience in combination of academic interests with research-development work applied in industry.

Address

Cracow University of Technology,
Faculty of Mechanical Engineering
Address: Chair of Production Engineering
al. Jana Pawła II 37, 31-864 Krakow
phone: +48690400133.
e-mail: sebastian.skoczypiec@pk.edu.pl

Useful links :

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=36132081800>
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