

# Sebastian Skoczypiec



**Academic degrees : doctor habilitatus in Engineering**

**Position : Professor of CUT**

**Engineering - technical field**

**Discipline Mechanical engineering**

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## **Academic qualifications:**

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

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## **Membership in professional and academic boards :**

Member of the Committee of Production Engineering of the Polish Academy of Science (since 2016), since 2020 Vice President of the Committee; member of the Academy of Engineering in Poland (since 2018), since 2019 member of Executive Committee of the Academy; member of European Scientific Association for Material Forming (ESAFORM)

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## **Academic merits :**

My hitherto professional achievements include 131 publications (both as an author and co-author, IF=14,476). 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 Superabrasives, 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 Civil and 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 2 PhD dissertations and 1 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 presented in the post-doctoral monograph (2014).

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## **Professional qualifications/language skills**

The opportunity to promote thesis in English

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## **Research field :**

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

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## **Address**

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Faculty of Mechanical Engineering  
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## **Useful links :**

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=36132081800>;  
Orcid ID <https://orcid.org/0000-0002-6909-3132>;  
CUT Library : <http://suw.biblos.pk.edu.pl/userHomepage&uld=87&rel=BPP-author>;  
Institute web site: <https://m6.pk.edu.pl/index.php/english-m6/>