

Personal data

Jiří Marek
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Career overview

- 09/2016 - yet, professor, Faculty of Mechanical Engineering, Brno University of Technology
- 03/2016 - 08/2016, technical director TOS Kuřim-OS,a.s, and professor, Faculty of Mechanical Engineering, Brno University of Technology
- 10/2014 - 02/2016, technical director KSK Precise Motion Kuřim, and professor, Faculty of Mechanical Engineering, Brno University of Technology
- 08/2000 - 09/2014, technical director TOSHULIN, a.s., and professor (associate professor), Faculty of Mechanical Engineering, Brno University of Technology
- 04/1997 - 07/2000, development engineer TOS Kuřim, and lecturer Faculty of Mechanical Engineering, Brno University of Technology
- 02/1993 - 03/1997, assistant professor, Faculty of Mechanical Engineering, Brno University of Technology
- 07/1987 - 01/1993, designer,TOS Kuřim

Education and academic qualification

- 2008, Professor (prof.), Design and Process Engineering, VŠB – TU Ostrava
- 2004, Associate professor (doc.), Design and Process Engineering, Faculty of Mechanical Engineering, Brno University of Technology
- 1996, Doctoral degree (Dr.), Design and Process Engineering, Faculty of Mechanical Engineering, Brno University of Technology
- 1987, Engineer's degree (Ing.), Design of Production Machines and Equipment, Faculty of Mechanical Engineering, Brno University of Technology

Research and development, experience

- Engineering Design Science (Systematic approach to designing).
- Value management (Cost optimization in design of production machines).
- Construction of CNC machine tools and centers (Designing machine units of production machines).
- Risk Management of CNC machine tools.
- Integrated product development in order to reduce the time of production machine development.
- Automation and robotics as an integral part of the production machines.
- Industrie 4.0
- Intelligence of CNC machine tools.

Publishing activity

He has author or co-author several monographs (13), many research reports and original and professional works published in collections and journals both in the Czech Republic and abroad (190), expertise in industrial practice and expertise for state bodies or private individuals (79). Co-author of several patents (9) and utility models (9).

Other activities

A legal expert appointed by the Minister of Justice in the field of mechanical engineering (industry machines, equipment and systems) and in the field of economy (manufacturing machinery, equipment and systems).

A member of several professional organizations, such as the Engineering Academy of the Czech Republic. Since 2003 he has been working in the editorial board of the most significant engineering magazine on the market in the Czech Republic: MM - Industrial Spectrum and its Scientific Supplement MM Science Journal

Close cooperation based on personal and professional relationships with many industrial companies. He is regularly invited to an active lecture on product innovation, especially in cooperation with IPA Slovakia (Prof. Košturiak).