



## **Ing. Jozef Trojan, PhD.**

scientific researcher

### *contact*

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### ***CURRICULUM***

2012 – 2017: Technical University of Kosice, Faculty of Mechanical Engineering

2017 – 2021: Doctoral studies

From 2021: Scientific researcher

### ***LANGUAGE SKILLS***

- English

### ***SCIENTIFIC ACTIVITIES***

- CAD, CAM systems.
- Implementation of PLM software solutions in experimental modeling of production systems.
- Digital engineering.

### ***PEDAGOGICAL ACTIVITIES***

- Digitization and virtualization of production.
- Modeling and simulations of logistics systems.
- Crisis management of production.

### ***PROJECTS***

- 1 **APVV-17-0258** Digital engineering elements application in innovation and optimization of production flows (co-investigator).

- 2 **APVV-19-0418** Intelligent solutions to enhance business innovation capability in the process of transforming them into smart businesses (co-investigator).
- 3 **VEGA 1/0438/20** Interaction of digital technologies to support software and hardware communication of the advanced production system platform (co-investigator).
- 4 **KEGA 001TUKE-4/2020** Modernizing Industrial Engineering education to Develop Existing Training Program Skills in a Specialized Laboratory (co-investigator).
- 5 **VEGA 1/0508/22** „Innovative and digital technologies in manufacturing and logistics processes and system“ (co-investigator).

### ***FOREIGN STAYS***

- University of Zielona Góra (Poland)

### ***MEMBERSHIPS, AWARDS***

***NUMBER OF PUBLICATIONS:74***

***NUMBER OF CITATIONS: 67***

### ***SELECTED PUBLICATION***

- **ADC - Production efficiency evaluation and products' quality improvement using simulation** / Marek Kliment ... [et al.] - 2020. In: International Journal of Simulation Modelling = IJSIMM. - Wolkersdorf im Weinviertel (Rakúsko) : DAAAM International Vienna Roč. 19, č. 3 (2020), s. 470-481 [print]. - ISSN 1726-4529.
- **ADE - Optimization of production line with using the Plant simulation module** / Peter Trebuňa, Jozef Trojan, Miriam Pekarčíková - 2019. In: Paripex-Indian Journal of Research = PIJR. - Paldi (India) : World Wide Journals Roč. 8, č. 4 (2019), s. 1-3 [print]. - ISSN 2250-1991.
- **ADM - Demand driven material requirements planning. Some methodical and practical comments** / Miriam Pekarčíková ... [et al.] - 2019. In: Management and Production Engineering Review = MPER. - Warszawa (Poľsko) : Polska Akademia Nauk Roč. 10, č. 2 (2019), s. 50-59 [online]. - ISSN 2080-8208.
- **AEC - Innovation of the Production Line in the Enterprise with the Help of Module TX Process Simulate** / Jozef Trojan, Peter Trebuňa, Marek Mizerák - 2020. In: New Approaches in Management of Smart Manufacturing Systems : Knowledge and Practice. - Cham (Švajčiarsko) : Springer Nature s. 303-310 [online, print]. - ISBN 978-3-030-40175-7.
- **AFC - Tx Process Simulate as a Means to Increase Production in the Enterprise for the Production U-Profiles** / Jozef Trojan, Peter Trebuňa, Marek Kliment - 2019. In: Metal 2019 : proceedings of international conference. - Ostrava (Česko) : Tanger s. 2007-2012 [CD-ROM]. - ISBN 978-80-87294-92-5.

- **AFC - Capacitive increase in sunroofs production for the BMW brand** / Peter Trebuňa, Jozef Trojan, Peter Frankovský - 2018. In: In-Tech 2018. - Rijeka: Faculty of Engineering 2018 P. 79-83. - ISSN 0184-9069.
- **AFC - Influenne of the ABC Analysis on Inventory Management** / Peter Trebuňa ... [et al.] - 2018. In: CLC 2018 : Logistics, disribution, transport and management. - Ostrava (Česko) : Tanger s. 63-64 [print]. - ISBN 978-80-87294-87-1.
- **AFC - Assesment of the residual life of existing structures** / P. Frankovský ... [et al.] - 2018. In: In-Tech 2018. - Rijeka : Faculty of Engineering 2018 P. 97-100. - ISSN 0184-9069.