



Ing. Juraj Kováč, PhD.

Assistant Professor

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Engineering,
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CURRICULUM

2000-2003: Bc. Technical University of Košice, Faculty of Mechanical Engineering, Letná 9, 042 00 Košice Establishment and operation of small enterprises.

2003 - 2006: Ing. Technical University of Košice, Faculty of Mechanical Engineering, Letná 9, 042 00 Košice Innovation of mechanical engineering production

2006 -2009 : PhD. Technical University of Košice, Faculty of Mechanical Engineering, Letná 9, 042 00 Košice Industrial Engineering

2009 -2022 : Internship. Assistant Professor

LANGUAGE SKILLS

In English

SCIENTIFIC ACTIVITIES

- - Knowledge of CAD systems
- - Computer science and PC
- - Engineering production design
- - Design of production systems
- - Virtual reality

PEDAGOGICAL ACTIVITIES

- - Conducting lectures from selected chapters
- - Conducting exercises and seminars
- - Supervisor of bachelor and master theses

PROJECTS

APVV-19-0418 Intelligent solutions to increase the innovative capacity of companies in the process of their transformation into smart companies. (2020-2024)

APVV-17-0258 Application of elements of digital engineering in innovation and optimization production flows (2018-2022)

APVV-18-0413 Modular architecture of structural elements of manufacturing technology 2019 - 2023

VEGA 1/0438/20 Interaction of digital technologies to support software and hardware communication of an advanced production system platform. (2020-2023)

KEGA 001TUKE-4/2020 Modernization of the teaching of industrial engineering in order to develop the skills of the existing educational program in a specialized laboratory. (2020-2022)

KEGA 002TUKE-4/2020 Implementation of intelligent technology and advanced technologies to support transformation processes and design of future productions. (2020-2022)

KEGA 019TUKE-4/2022 Preparation of new production managers future structures on the principles of "Overall Equipment.

FOREIGN STAYS

- 2017 – Erasmus + Srbsko Novi SAD, Univerzitet u Novom Sadu

• 2018 – Erasmus + Srbsko Novi SAD Univerzitet u Novom Sadu

MEMBERSHIPS, AWARDS

NUMBER OF PUBLICATIONS:131

NUMBER OF CITATIONS: 28

SELECTED PUBLICATION

- ADC 2021 Application of innovative methods of predictive control in projects involving intelligent steel processing production systems / Jozef Svetlík ... [et al.] Spôsob prístupu: <https://doi.org/10.3390/ma14071641...> - 2021. In: Materials. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute, 2008 Roč. 14, č. 7 (2021), s. 1-23 [online]. - ISSN 1996-1944 (online) [SVETLÍK, Jozef - MALEGA, Peter - RUDY, Vladimír - RUSNÁK, Ján - KOVÁČ, Juraj] Databázy: WOSSCOPUSCCCKvartil: WOS:Q2,SCO:Q2
- ADM 2020 Newest development in interconnecting the data cyber glove 2 and the robotic hand mechatrobot / Juraj Kováč, Jozef Svetlík, Vladimír Rudy Spôsob prístupu: https://doi.org/10.17973/MMSJ.2020_03_2019011... - 2020. In: MM Science Journal. - Prague (Česko) : MM Publishing č. March (2020), s. 3706-3710 [print, online]. - ISSN 1803-1269 [KOVÁČ, Juraj - SVETLÍK, Jozef - RUDY, Vladimír] Databázy: WOSSCOPUSKvartil: WOS:Q0,SCO:Q3
- ADC 2019 Numerical Calculation of Oil Dispersion through the Air Flow Applied to the Inner Surface of Slim Tubes / Jozef Svetlík ... [et al.] Spôsob prístupu: [https://www.mdpi.com/2076-3417-3417/9/12/2399...](https://www.mdpi.com/2076-3417/9/12/2399...) - 2019. In: Applied Sciences. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 9, č. 12 (2019), s. 1-19 [online]. - ISSN 2076-3417 [SVETLÍK, Jozef - BRESTOVIČ, Tomáš - KRÁL, Ján ml. - BUŠA, Ján - KOVÁČ, Juraj - ŠTOFA, Miroslav] Databázy: WOSSCOPUSCCCKvartil: WOS:Q2,SCO:Q1
- ADC 2019 Prospective increase in the heat pump's efficiency through arrangement in a three-temperature system / Tomáš Stejskal ... [et al.] Spôsob prístupu: <https://journals.sagepub.com/doi/full/10.1177/1687814019880989...> - 2019. In: Advances in Mechanical Engineering. Roč. 11, č. 10 (2019), s. 1-13 [print]. - ISSN 1687-8132 [STEJSKAL, Tomáš - SVETLÍK, Jozef - DEMEČ, Peter - ŽILINSKÝ, Adam - KOVÁČ, Juraj] Databázy: WOSSCOPUSCCCKvartil: WOS:Q4,SCO:Q3
- AAA 2018 Intelligent industrial engineering - Innovation potential / Naqib Daneshjo ... [et al.] - 1. vyd. - San Antonio : FedEx Print & Ship Center - 2018. - 297 s. [print]. - ISBN 978-0-578-40289-5. [DANESHJO, Naqibullah - RUDY, Vladimír - REPKOVÁ ŠTOFKOVÁ, Katarína - MAREŠ, Albert - KOVÁČ, Juraj - JAHNÁTEK, Andrej - KRIVOSUDSKÁ, Jana - ŠMAJDA, Norbert - RUSNÁK, Ján]