



## doc. Ing. Jaroslava Janeková, PhD.

Associate Professor

Technical University of Košice  
Faculty of Mechanical Engineering  
Institute of Industrial Engineering, Management, Environmental  
Engineering and Applied Mathematics  
Department of Business Management and Environmental Engineering  
Park Komenského 5  
042 00 Košice, Slovakia

**Phone number:** + 421 (55) 602 3239

**e-mail:** jaroslava.janekova@tuke.sk

### CURRICULUM

1986	Technical University of Košice, Faculty of Mechanical Engineering, Master's Degree (Ing.), field of study: 23-38-8 Economics and Management of Engineering Production.
2008	Technical University of Košice, Faculty of Mechanical Engineering, PhD., field of study: 23-07-9 Engineering Technologies and Materials.
2021	Technical University of Košice, Faculty of Mechanical Engineering, Associate Professor (doc.), field of habilitation procedure and inaugural procedure: Industrial Engineering.

### LANGUAGE SKILLS

- English language

### SCIENTIFIC ACTIVITIES

- Economic efficiency and risks of investment projects.
- Methods and techniques for evaluating and optimizing the economic efficiency and performance of enterprises.

### PEDAGOGICAL ACTIVITIES

- Conducting lectures in subjects:  
Project management, Management of investment business development, Company economics, Economics of production technologies.
- Conducting exercises in subjects:  
Project management, Management of investment business development, Financial management, Economic tools of business management, Business economics, Economics of production technologies, Economics and financial management of enterprises, Engineering economics, Diploma work, Final work.

- Member of the board of the study program "Business Management and Economics" in full-time form for I. and II. university degree.
- Member of the board of study program "Industrial Engineering" in full-time and part-time form for III. university degree.

## PROJECTS

- **APVV-19-0418** Intelligent solutions to enhance business innovation capability in the process of transforming them into smart businesses, (2020-2024).
- **VEGA 1/0340/21** The impact of a pandemic and the subsequent economic crisis on the development of digitization of enterprises and society in Slovakia, (2021 – 2024).
- **VEGA 1/0438/20** Interaction of digital technologies to support software and hardware communication of the advanced production system platform, (2020-2023).
- **KEGA 019TUKE-4/2022** Preparation of managers of new production structures of the future on the principles of Overall Equipment Effectiveness (OEE) through the education of students in the subject of Production Management in the study program of Industrial Engineering, (2022-2024).
- **KEGA 009TUKE-4/2020** Transfer of digitization into education in the study program Business Management and Economics, (2020-2022).
- **KEGA 026TUKE-4/2017** Implementation of innovative educational approaches and tools for strengthening the development of key competencies of graduates of the Industrial Engineering field of study, (2017 – 2019).
- **KEGA 030TUKE-4/2017** Implementation of innovative tools for improving the quality of university education in the field of study 5.2.52 Industrial Engineering, (2017 – 2019).

## FOREIGN STAY

2022

Tomori Pál College, Budapest, Hungary.

## THE MOST SIGNIFICANT PUBLICATIONS

- [1]. **Possibilities to increase assembly line productivity using different management approaches** / Jaroslava Kádárová, Jaroslava Janeková, Alžbeta Suhányiová, 2022. In: Processes. Bazilej (Switzerland): Multidisciplinary Digital Publishing Institute, Vol. 10, no. 3 (2022), p. [1-19] [online]. ISSN 2227-9717 (online).
- [2]. **Selection of optimal investment variant based on Monte Carlo simulations** / J. Janeková, J. Fabianová, J. Kádárová, 2021. In: International Journal of Simulation Modelling: IJSIMM. Wolkersdorf im Weinviertel (Austria): DAAAM International Vienna, Vol. 20, no. 2 (2021), p. 279-290 [print]. ISSN 1726-4529.
- [3]. **Riadenie a ekonomika podnikov Podnikateľské prostredie**/ Jaroslava Kádárová, Jaroslava Janeková, 1. vyd. Ostrava: Vysoká škola báňská, Technická univerzita Ostrava (Czech Republic), 2019. p. 252 [print]. ISBN 978-80-248-4252-3.
- [4]. **Assessment of economic efficiency and risk of the project using simulation** / J. Janeková, J. Fabianová, M. Fabian, 2019. In: International Journal of Simulation Modelling: IJSIMM. Wolkersdorf im Weinviertel (Austria): DAAAM International Vienna, Vol. 18, no. 2 (2019), p. 242-253 [print]. ISSN 1726-4529.
- [5]. **Product Mix Optimization Based on Monte Carlo Simulation: A Case Study** / Jaroslava Janeková ... [et al.], 2018. In: International Journal of Simulation Modelling: IJSIMM. Wolkersdorf im Weinviertel (Austria): DAAAM International Vienna, Vol. 17, no. 2 (2018), p. 295-307 [print]. ISSN 1726-4529.