

PERSONAL INFORMATION

assoc. prof. Ing. Ivan Zajacko, PhD.

 SLOVAKIA



Sex | Nationality

WORK EXPERIENCE

2022 Certified supervisor of an accredited PhD programme

2022 Member of the commission of an accredited PhD study programme

2015 - present Research and development department manager, Deputy Head of Department

University of Zilina, Mechanical faculty, Department of Automation and Production Systems

- Preparation of scientific and research projects
- Projects management
- Lectures
- Member of research team

2004 - 2015 **Business or sector** Automation and Production Systems, AI, IT
Director and chief executive

SE – Systems, s. r. o., Zilina, Slovakia

- Strategic decision making
- Projects management
- HR management
- **Business or sector** Automation, Mechanical Engineering, Security Systems, IT

EDUCATION AND TRAINING

2001 – 2004 **Automation and Production Systems** EQR 8

University of Zilina, Slovakia

- Automation Systems in mechanical engineering
- Production Systems in mechanical engineering
- Computer Aided Systems

1996 – 2001 **Automation and Production Systems** EQR 7

University of Zilina, Slovakia

- Automation Systems in mechanical engineering
- Production Systems in mechanical engineering
- Computer Aided Systems

PERSONAL SKILLS

Mother tongue(s) Slovak

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	C1	C1	B2
Deutsch	A1	A1	A1	A1	A1
Polish	C2	C2	C1	C1	A1

Croatian	C2	C2	C1	C1	A1
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Excellent communication skills
- Public presentation of projects results
- Presentation at conferences, expert discussion
- Internships at foreign universities
- Participati on ininternational research projects

Organisational / managerial skills

- Project Leader - Management of Professional Teams (currently responsible for a team of 30 people)
- Management of Human Resources and material resources between enterprises and project participants
- Management and coordination of design teams
- Consultant and Coordinator representing investors groups

Job-related skills

- Preparation of project documentation and reports
- Project management
- Comprehensive implementation of customer solutions
- Strategic planning and management

Computer skills

- Design and implementation of computer networks
- Design and implementation of AI
- Design and implementation of security systems
- Development and implementation of the customer information system
- CAD-processing of project and drawing documentation

Driving licence

- B, BE

ADDITIONAL INFORMATION
Publications

- ADC - KURIC, I., TLACH, V., SÁGA, M., CÍŠAR, M., ZAJAČKO, I. 2021: Industrial robot positioning performance measured on inclined and parallel planes by Double Ballbar. In Journal: Applied Science-Basel, eISSN: 2076-3417, volume 11, Issue 4, article number: 1777, 2021
- ADC - KURIC, I., KLAČKOVÁ, I., NIKITIN, Y. R., ZAJAČKO, I., CÍŠAR, M., TUCKI, K. 2021: Analysis of diagnostic methods and energy of production systems drives, In Journal; Processes, MDPI, 9, 843, DOI.org/10.3390/pr9050843, ISSN 2227-9717.
- ADC - KURIC, I., TLACH, V., CÍŠAR, M., SÁGOVÁ, Z., ZAJAČKO, I. 2020: Examination of industrial robot performance parameters utilizing machine tool diagnostic methods. In International Journal of Advanced Robotic Systems, ISSN: 1729-8814, Online ISSN: 1729-8814, vol. 17, Issue 1, 2020
- ADC - PIVARČIOVÁ, E., BOŽEK, P., TURYGIN, Y., ZAJAČKO, I., SHCHENYATSKY, A., VÁCLAV, Š., CÍŠAR, M., GEMELA, B. 2018: Analysis of control and correction options of mobile robot trajectory by an inertial navigation system. In International Journal of Advanced Robotic Systems. ISSN 1729-8814, vol. 15, Issue 1, pp. 1-15, 2018
- ADN - BURDUK, A., WIECEK, D., ZAJAČKO, I., JURDZIAK, L., BLAŽEJ, R. 2020: Analysis and risk assessment of the supply of coper ore in the belt conveyor system in an underground mine. In Journal: Acta Montanistica Slovaca, ISSN: 1335-1788, volume 25, Issue 2, pp. 236-249, 2020
- AFC - KURIC, I., CÍŠAR, M., ZAJAČKO, I., GÁL, T. 2018. Diagnostics of the Wire Coating Production Line by Implementation of Computation Methods / Ivan Kuric ...[et al.]. In: ICIEA 2018, roč. 5 : International Conference on Industrial Engineering and Applications. - Danvers: Institute of Electrical and Electronics Engineers, 2018. - ISBN 978-1-5386-5747-8. - s. 463-467 [online].
- AFD - ZAJAČKO, I., GÁL, T., SÁGOVÁ, Z., MATEICHYK, V., WIECEK, D. 2018. Application of artificial intelligence principles in mechanical engineering / Ivan Zajačko ...[et al.]. In: Innovative technologies in engineering production [electronic]. - ISSN 2261-236X. - 1. vyd. - [S.l.]: Édition Diffusion Presse Sciences, 2018. - s. [1-7] [online].
- AFC - ZAJAČKO, I., KURIC, I., GÁL, T., TLACH, V., MELUŠ, P. 2019. Automation of quality control measurement of deformable object formed by translation of closed planar curve along an elliptical path [electronic] / Ivan Zajacko ... [et al.]. In: 4th International Conference on Robotics and Automation Engineering [print, electronic]. - 1. vyd. - Piscataway: Institute of Electrical and Electronics Engineers, 2019. - ISBN 978-1-7281-4740-6. - 65-68 [print].