

LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

Ing. Edwald-Viktor GILLICH – student doctorand

1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. **Gillich EV**, Mocan M, Mituletu IC, Korca ZI, Process Monitoring in Precision Machining using Optical Sensors, *Romanian Journal of Acoustics and Vibration* 14 (1), 2017, pp. 50-53 (ISI)
https://sra.ro/Arhiva/2017/nr1/Paper_9_page50_53.pdf
2. Hațiegan C, **Gillich EV**, Vasile O, Nedeloni MD, Pădureanu I, Finite Element Analysis of thin plates clamped on the rim of different geometric forms. Part I: Simulating the Vibration Mode Shapes and Natural Frequencies, *Romanian Journal of Acoustics and Vibration* 12(1), 2015, pp. 69-74 (ISI)
https://sra.ro/Arhiva/2015/nr1/Paper_12_page69_74.pdf
3. Hațiegan C, **Gillich EV**, Vasile O, Nedeloni MD, Jurcu M, Magheti P, Finite Element Analysis of thin plates clamped on the rim of different geometric forms. Part II: The Absolute and Relative Variation of Natural Frequencies, *Romanian Journal of Acoustics and Vibration* 12(1), 2015, pp. 81-86 (ISI)
https://sra.ro/Arhiva/2015/nr1/Paper_14_page81_86.pdf

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. Negru I, Gillich GR, Praisach ZI, Tufoi M, **Gillich EV**, Nondestructive evaluation of piers, *Health Monitoring of Structural and Biological Systems 2015*, 2015, Art.ID 943817 (ISI)
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/9438/943817/Nondestructive-evaluation-of-piers/10.1117/12.2081432.short>
- 2.

3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

1. **Gillich EV**, Nedelcu D, Popescu C, Self-management of machines in smart factories via advanced algorithms, *Annals of the „Constantin Brancusi” University of Targu-Jiu. Engineering Series* 1, 2019, pp. 65-69 (Index Copernicus)
https://www.utgjiu.ro/rev_ing/pdf/2019-1/12_Edwald-Viktor%20Gillich_SELF-MANAGEMENT%20OF%20MACHINES%20IN%20SMART%20FACTORIES%20VIA%20ADVANCED%20ALGORITHMS.pdf
2. Muntean F, Hatiegan C, Popescu C, **Gillich EV**, Iancu V, Study regarding the determining of the natural frequencies and modal shapes of the column type structures with additional mass, *Annals of the „Constantin Brâncuși” University of Târgu-Jiu. Engineering Series* 3, 2015, pp. 52-55 (Index Copenicus)
https://www.utgjiu.ro/revista/ing/pdf/2015-3/7_Florian%20MUNTEAN.pdf
3. Nedelcu D, **Gillich EV**, Iancu V, Muntean F, Theoretical and Experimental Research Performed on the Tesla Turbine – Part II, *Analele Universitatii "Eftimie Murgu". Fascicula de Inginerie* 22(2), 2015, pp. 264-272 (Index Copernicus) <http://anale-ing.uem.ro/2015/226.pdf>

4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)

1. **Gillich EV**, Mocan M, Korca ZI, Gillich GR, Hamat CO, Real-time assessment of machine performance through the use of an intelligent sensorial system, The 10th International Symposium Machine and Industrial Design in Mechanical Engineering (KOD 2018) 6–8 June 2018, Novi Sad, Serbia, Publicat in *IOP Conference Series: Materials Science and Engineering*, Vol. 393, 2018, Art.ID 012082 (Scopus)
<https://iopscience.iop.org/article/10.1088/1757-899X/393/1/012082/meta>
2. Mocan M, **Gillich EV**, Mituletu IC, Korca ZI, An evolutionary sensor approach for self-organizing production chains, International Conference on Applied Sciences (ICAS2017) 10–12 May 2017, Hunedoara, Romania, Publicat in *IOP Conference Series: Materials Science and Engineering*, Vol. 294, 2017, Art.ID 012092 (Scopus)
<https://iopscience.iop.org/article/10.1088/1757-899X/294/1/012092/meta>

5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate

- 1.
- 2.

6. Lucrări științifice publicate în volumele unor manifestări științifice

1. **Gillich EV**, Mocan M, Cei nouă piloni ai noii revoluții industriale – INDUSTRY 4.0, publicat în *Știința și Inginerie* 31, 2017 <http://stiintasiinginerie.ro/wp-content/uploads/2017/05/10.-CEI-NOU%C4%82-PILONI-AI-NOII-REVOLU%C5%A2II-INDUSTRIALE-%E2%80%93-INDUSTRY-4.0-Edwald-Viktor-GILLICH-Marian-MOCAN.pdf>

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