



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **MYKHAILO DUMANCHUK**
Address(es) H. Kondratiieva Str., 160, 40021, Sumy, Ukraine
Telephone(s) + 38 0542 787640 Mobile: + 38 050 3026293
Fax(es) + 38 0542 787640
E-mail m_duman@i.ua
Nationality Ukrainian
Date of birth 11.04.1974
Gender Male

Current employment / Occupational field **Associate Professor, Department of Technical Services, Sumy National Agrarian University**

Work experience

Dates 1999-2001
Occupation or position held Dresser at Technology of Machine Building Department
Main activities and responsibilities Teaching and scientific activity in the CAD/CAM/CAE sphere
Name and address of employer Sumy State University, 2 R.-Korsakov Str., Sumy, 4007, Ukraine
Type of business or sector Higher Educational Institution (Mechanical Engineering Sector)

Dates 2001 till now
Occupation or position held Dresser (2001 – 2003);
Senior Lecturer (2004 - 2021) at the Technical Services Department
Main activities and responsibilities Associate Professor (2021 till now) at the Technical Services Department
Teaching and scientific activity in the sphere of Mechanical Engineering
Name and address of employer Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine
Type of business or sector Higher Educational Institution (Mechanical Engineering Sector)

Education and training

Dates 1991-1996
Title of qualification awarded Mechanical Engineer
Principal subjects/occupational skills covered Technology of mechanical engineering
Name and type of organisation providing education and training Sumy State University, Ukraine
Level in national or international classification Dipl. Ing. (University)

Dates 1996-1999
 Title of qualification awarded Post-graduate Education (distance Learning)
 Principal subjects/occupational skills covered Technology of mechanical engineering

Name and type of organisation providing education and training **Donbass State Engineering Academy, Ukraine**

Level in national or international classification Dipl. Research Ing. (University)

Personal skills and competences

Reliability, sociability, energy, purposefulness

Mother tongue(s) **Ukrainian**

Other language(s) **English, Russian**

Self-assessment
European level ()*

English
Ukrainian

| Understanding | | | | Speaking | | | | Writing | |
|---------------|-----------------|---------|-----------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| A2 | Basic User | A2 | Basic User | A2 | Basic User | A2 | Basic User | A2 | Basic User |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

I can and I am used to work in the team within the framework of international educational and scientific projects. For last 20 years I've been a member of organizing committee of some the international scientific conferences in Ukraine and work within international network team.

Organisational skills and competences

I was responsible for the organization about 10 international conferences.

Computer skills and competences

Competent with most CAD/CAM/CAE/PDM programs

Artistic skills and competences

Driving licence **B**

Additional information:

Scientific Research Topic and Publications

1. T Tarelyk V., Konoplianchenko I., Martsynkovskyy V., Dovzhyk M., Dumanchuk M., Goncharenko M., Antoszewski B., Gaponova O. Investigation of Qualitative Parameters of Surface Layers Formed By Stepwise Carburizing and Sulfo-Carburizing of Steel Parts With The Use of Electroerosion Alloying Method. 8th IEEE International Conference on Nanomaterials: Applications and Properties, NAP 2018. 2018. P. 03TFNMC26. <https://doi.org/10.1109/NAP.2018.8915035>. (Scopus).
2. Tarelyk V., Konoplianchenko I., Gaponova O., Antoszewski B., Kundera C., Martsynkovskyy V., Dovzhyk M., Dumanchuk M., Vasilenko O. Application of Multicomponent Wear-Resistant Nanostructures Formed by Electrospark Allowing for Protecting Surfaces of Compression Joints Parts. Microstructure and Properties of Micro- and Nanoscale Materials, Films, and Coatings (NAP 2019). Springer Proceedings in Physics. 2019. Vol. 240. P. 195–209. https://doi.org/10.1007/978-981-15-1742-6_18. (Scopus).
3. Martsynkovskyy V., Tarelyk V., Konoplianchenko I., Gaponova O., Dumanchuk M. Technology support for protecting contacting surfaces of half-coupling—Shaft press joints against fretting wear. Advances in Design, Simulation and Manufacturing II. DSMIE 2019. Lecture Notes in Mechanical Engineering. Springer. 2020, P. 216–225. https://doi.org/10.1007/978-3-030-22365-6_22 (Scopus).
4. Melnyk V., Vlasovets V., Konoplianchenko Ie., Tarelyk V., Dumanchuk M., Martsynkovskyy Vas., Semirnenko Yu., Semirnenko S. Developing a system and criteria for directed choice of technology to provide required quality of surfaces of flexible coupling parts for rotor machines.

Journal of Physics: Conference Series. 2021. Vol. 1741. P. 012030-1 – 012030-15.
<https://doi.org/10.1088/1742-6596/1741/1/012030> (Scopus).

5. Tarellyk V., Hlushkova D., Martsynkovskyy V., Dumanchuk M., Antoszewski B., Kundera Cz., Konoplianchenko Ie., Tarellyk N., Hudkov S., Zahorulko A. Increasing fretting resistance of flexible element pack for rotary machine flexible coupling Part 1. Analysis of the reasons affecting fretting resistance of flexible elements for expansion couplings. Journal of Physics: Conference Series. 2021. Vol. 1741 P. 012048-1 – 012048-11. <https://doi.org/10.1088/1742-6596/1741/1/012048> (Scopus).
6. Tarellyk V., Dumanchuk M., Martsynkovskyy Vas., Mikulina M., Smolyarov G., Semernya O. Increasing fretting resistance of flexible element pack for rotary machine flexible coupling Part 2. The influence of coupled shafts misalignment on flexible coupling flexible elements stress-strain state. Journal of Physics: Conference Series. 2021. Vol. 1741 P. 012049-1 – 012049-16. <https://doi.org/10.1088/1742-6596/1741/1/012049> (Scopus).
7. Tarellyk V., Dumanchuk M., Martsynkovskyy Vas., Dovzhyk M., Nahornyi M., Vasilenko O., Bondarev S. Increasing fretting resistance of flexible element pack for rotary machine flexible coupling Part 3. The influence of dynamic loads on flexible coupling flexible element stress-strain state. Journal of Physics: Conference Series. 2021. Vol. 1741. P. 012050-1 – 012050-7. <https://doi.org/10.1088/1742-6596/1741/1/012050> (Scopus).
8. Dumanchuk M. Some aspects of the theory of design processes based on modular technology, «Visnik SNAU» №6(24); 2012; pp. 168-172
9. Tarellyk V., Konoplianchenko Ie., Martsynkovskyy V., Dumanchuk M., etc. Specialized Technical Ukrainian-Russian-English Dictionary of terms. - Sumy, Macden, 2012. – 246 p. ISBN 978-966-2305-42-5
10. Думанчук М. Ю. Ensuring sustainable design engineering production processes by implementing a modular approach. // Technologies of the XXI century: Abstracts on materials 20th International Scientific Conference (15-19 September 2014). Part 1. – Sumy: SNAU, 2014.- pp. 53-54.
11. Patent No 49871 Ukraine, MPK (2009) B23C 5/02. Cutting tool / Kushnirov P.V., Pampuha P.V., Dumanchuk M.Y.; application 14.12.09; published 11.05.2010, Off. J. No 9.

Projects Experience:

Annexes