



### Personal information

First name(s) / Surname(s) **IEVGEN KONOPLIANCHENKO**  
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E-mail yevhen.konoplianchenko@snau.edu.ua  
Nationality Ukrainian  
Date of birth 14.05.1971  
Gender Male

**Current employment / Occupational field** **Head of the Technical Services and Industrial Engineering Department  
Associate Professor, Sumy National Agrarian University;  
Academician of the Ukrainian Technological Academy**

### Work experience

Dates	1994-1997
Occupation or position held	Head of Laboratory of Computer Graphics
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	1999 till now
Occupation or position held	University researcher (1999 – 2001); Associate Professor at the Technical Services Department (2001 – 2024); Head of the Technical Services and Industrial Engineering Department (2024 -till now)
Main activities and responsibilities	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)
Dates	2001 till now
Occupation or position held	Member of the research team in international project of scientific cooperation between the Sumy National Agrarian University and the Kielce University of Technology (Poland)
Main activities and responsibilities	Education, science and research
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)
Dates	2008 till now

Occupation or position held | Academician of the Ukrainian Technological Academy  
 Main activities and responsibilities | Science and research  
 Name and address of employer | Ukrainian Technological Academy, app. 200, 19/5 Kureniskyy lane, Kyiv, 04073, Ukraine  
 Type of business or sector | Higher Research Institution (Mechanical Engineering Sector)

**Education and training**

Dates | 1988-1993  
 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 Physics and Technology Institute, Ukraine  
 Level in national or international classification | Dipl. Ing. (University)

Dates | 1994-1997  
 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 | Sumy State University, Ukraine  
 Level in national or international classification | Dipl. Research Ing. (University)

Dates | 2001  
 Title of qualification awarded | Candidate of Technical Sciences (Academic degree PhD)  
 Principal subjects/occupational skills covered | Technology of mechanical engineering  
 Name and type of organisation providing education and training | National Technical University "KhPI" (Kharkiv), Ukraine  
 Level in national or international classification | PhD in Engineer Sciences

**Personal skills and competences**

Reliability, sociability, energy, purposefulness

Mother tongue(s) | **Ukrainian**

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

Self-assessment  
 European level (\*)

**English**

**Russian**

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 25 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 30 international conferences. For 5 times I organized the visits of the foreign scientists to Ukrainian for with the purpose of experience exchange.

Computer skills and competences | Competent with most CAD/CAM/CAE/PDM programs

Artistic skills and competences

Driving licence B/C1/C

**Additional information:**

Scientific Research Topic and Publications

1. Y. Ju, I. Konoplianchenko, J. Pu, Z. Zhang, Q. Dong, M. Dumanchuk, Optimization of structure and properties of WC-reinforced FeCoNiCr high-entropy alloy composite coating by laser melting, *Results in Engineering*, 21, 101985, (2024). <https://doi.org/10.1016/j.rineng.2024.101985>
2. Haponova, O., Tarelnyk, V., Marchenko, S., Tarelnyk, N., Konoplianchenko, I. (2024). The Development of Nanostructuring Method Metal Surfaces by Electrospark Alloying. In: Pogrebnjak, A.D., Bing, Y., Sahul, M. (eds) *Nanocomposite and Nanocrystalline Materials and Coatings. Advanced Structured Materials*, vol 214. Springer, Singapore. pp.181-199. [https://doi.org/10.1007/978-981-97-2667-7\\_7](https://doi.org/10.1007/978-981-97-2667-7_7)
3. Zhengchuan, Z., Tarelnyk, V., Konoplianchenko, I., Guanjun, L., Hongyue, W., Xin, D., Yao, J., Zongxi, L. New evaluation method for the characterization of coatings by electroerosive alloying (2023) *Materials Research Express*, 10 (3), art. no. 036401, <https://doi.org/10.1088/2053-1591/acc15b>
4. Zhang, Zh., Tarelnyk, V., Konoplianchenko, I., Liu, G., Xin D., Ju, Y. Characterization of Tin Bronze Substrates Coated by Ag+B83 through Electro-spark Deposition Method. *Surf. Engin. Appl. Electrochem.* **59(2)**, 220–230 (2023). <https://doi.org/10.3103/S1068375523020187>
5. Rakhadilov, B.K., Maksakova, O.V., Buitkenov, D.B., Kylyshkanov, M.K., Pogrebnjak, A.D., Antypenko, V. P., Konoplianchenko, Ye. V. Structural-phase and tribo-corrosion properties of composite Ti<sub>3</sub>SiC<sub>2</sub>/TiC MAX-phase coatings: an experimental approach to strengthening by thermal annealing. *Appl. Phys. A* 128, 145 (2022). <https://doi.org/10.1007/s00339-022-05277-7>
6. V.B. Tarelnyk, O.P. Gaponova, and Ye.V. Konoplianchenko, Electric-Spark Alloying of Metal Surfaces with Graphite, *Progress in Physics of Metals*, 23, No. 1: 27–58 (2022). <https://doi.org/10.15407/ufm.23.01.027>
7. Zhengchuan, Z.; Konoplianchenko, I.; Tarelnyk, V.; Guanjun, L.; Xin, D.; Hua, Y. The Characterization of Running-In Coatings on the Surface of Tin Bronze by Electro-Spark Deposition. *Coatings* 2022, 12, 930. <https://doi.org/10.3390/coatings12070930>
8. Antoszewski B, Gaponova O P, Tarelnyk V B, Myslyvchenko O M, Kurp P, Zhylenko T I, Konoplianchenko I. Assessment of Technological Capabilities for Forming Al-C-B System Coatings on Steel Surfaces by Electrospark Alloying Method. *Materials*. 2021; 14(4):739. <https://doi.org/10.3390/ma14040739>
9. Tarelnyk, V.B., Gaponova, O.P., Loboda, V.B., Konoplyanchenko, E.V., Martsinkovskii, V.S., Semirnenko, Yu.I., Tarelnyk, N.V., Mikulina, M.A., Sarzhanov B.A. Improving Ecological Safety when Forming Wear-Resistant Coatings on the Surfaces of Rotation Body Parts of 12Kh18N10T Steel Using a Combined Technology Based on Electrospark Alloying. *Surf. Engin. Appl. Electrochem.* **57**, 173–184 (2021). <https://doi.org/10.3103/S1068375521020113>
10. Tarelnyk, V., Konoplianchenko, I., Gaponova, O., Tarelnyk, N., Martsynkovskyy, V., Sarzhanov, B., Sarzhanov, O., Antoszewski, B. Effect of Laser Processing on the Qualitative Parameters of Protective Abrasion-Resistant Coatings. *Powder Metallurgy and Metal Ceramics*, Vol.58, Nos. 11-12, pp. 703-713 (2020). <https://doi.org/10.1007/s11106-020-00127-8>

Projects Experience:

2001 – till now – Member of the research team in the international project of scientific cooperation between the Sumy National Agrarian University and the Kielce University of Technology (Poland)  
2008 – till now – Academician of the Ukrainian Technological Academy  
2017– 2019 – Editor-in-chief of the international scientific, industrial and information magazine "Compressor and Power Engineering", specializing in technical sciences  
2019 – till now – Member of the International Association for Technological Development and Innovations  
2020 – till now – Expert for the examination of scientific research projects and scientific and technical (experimental) developments in the thematic direction "Mechanical engineering".

**Annexes**

Research ID: [U-4167-2017](https://doi.org/10.3103/S1068375521020113)  
ORCID: <http://orcid.org/0000-0003-4814-1796>  
Scopus ID: [57194868590](https://doi.org/10.1007/s11106-020-00127-8)