



## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** Yuri Semirnenko  
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**E-mail** yurii.semirnenko@snau.edu.ua  
**Nationality** Ukrainian  
**Date of birth** 17.01.1965  
**Gender** male

### Current employment / Occupational field

**Head of the Department of Technical Systems Design, Sumy National Agrarian University;  
Ph.D., assistant professor of Operations Technology, Engineering and Technology Faculty, Sumy National Agrarian University**

### Work experience

**Dates** 1992 till now  
**Occupation or position held** University instructor (1992 –1999);  
Assistant professor (1999 till now) at the Engineering and Technology Faculty  
**Main activities and responsibilities** Teaching and scientific activity in the sphere of Designing of engineering systems  
**Name and address of employer** Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine  
**Type of business or sector** Higher Educational Institution (Agricultural Sector)

**Dates** 2005 till now  
**Occupation or position held** Head of Department Designing of engineering systems  
**Main activities and responsibilities** Teaching and scientific activity in the sphere of mechanization of Designing of engineering systems  
**Name and address of employer** Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine  
**Type of business or sector** Higher Educational Institution (Agricultural Sector)

### Education and training

**Dates** 09.1985-06.1990  
**Title of qualification awarded** Mechanical Engineer  
**Principal subjects/occupational skills covered** Agricultural mechanization  
**Name and type of organisation providing education and training** Sumy Agricultural Institute (meanwhile Sumy National Agrarian University), Ukraine  
**Level in national or international classification** Dipl. Ing. (University)

Dates 11.1998  
 Title of qualification awarded Candidate of Technical Sciences  
 Principal subjects/occupational skills covered Building construction  
 Name and type of organisation providing education and training Sumy Agricultural Institute (meanwhile Sumy National Agrarian University), Ukraine  
 Level in national or international classification PhD in Technical Sciences

**Personal skills and competences**

Reliability, loyalty, 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			
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	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.

Organisational skills and competences I was responsible for the organization of national workshops

Computer skills and competences Is fluent in computer. The competent with most programs.

Artistic skills and competences

Driving licence Category A, B, C (car)

**Additional information:**

Scientific Research Topic and Publications

1. Semirnenko Y., Semirnenko S. Improved technology for drying fuel briquettes from straw biomass. // Science, research, development.technics and technology. 30.01.2018 BERLIN (БЕРЛИН), P. 6-9.
2. Semirnenko Y., Semirnenko S. Priorities when passing the industrial practice of students of agroengineering specialties // Science, research, development.Pedagogy.#3 (Наука, исследования, развитие. Педагогика.#3) 30.03.2018- 31.03.2018 Rotterdam (The Netherlands)/ Роттердам (Голландия), P.118-123.
3. Semirnenko Y., Semirnenko S. Collection of articles and abstracts on materials of the All-Ukrainian scientific and practical conference "Modern models of development of agro-industrial production: challenges and perspectives", September 27, 2018, Glukhov, Ukraine, 2018, P. 270-279
4. V. Tarelnyk, O. Gaponova, V. Martsynkovskyy, Ie. Konoplianchenko, V. Melnyk, V. Vlasovets, A. Sarzhanov, N. Tarelnyk, Du Xin, Yu. Semirnenko, S. Semirnenko, T. Voloshko, O. Semernya, "Energy Dispersive X-Ray Microanalysis of Part Surface Layer Carburized by Electric Spark Alloying," 2020 IEEE 10th International Conference Nanomaterials: Applications & Properties (NAP), Sumy, Ukraine, 2020, pp. 01TFC13-1-01TFC13-9. (Added to IEEE Xplore: 06 January 2021) <https://doi.org/10.1109/NAP51477.2020.9309618> (SCOPUS)
5. Ie. Konoplianchenko, V. Tarelnyk, O. Gaponova, A. Belous, S. Bondarev, O. Vasilenko, Zh. Zhang, G. Smolyarov, Yu. Semirnenko, S. Semirnenko, A. Kutakh, M. Mikulina, V. Gerasimenko, "Increasing the Efficiency of Running-In the Titanium Nitride Nanostructures Formed on R6M5 and 12KH18N10T Steels by Sulphidizing with Electric Spark Alloying Method," 2020 IEEE 10th International Conference Nanomaterials: Applications & Properties (NAP), Sumy, Ukraine, 2020, pp. 01TFC14-1-01TFC14-8. (Added to IEEE Xplore: 06 January 2021) <https://doi.org/10.1109/NAP51477.2020.9309700> (SCOPUS)
6. V. Melnyk, V. Vlasovets, Ie. Konoplianchenko, V. Tarelnyk, M. Dumanchuk, Vas. Martsynkovskyy, Yu. Semirnenko, S. Semirnenko. 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. 1741 (2021) pp. 012030-1 – 012030-15. <https://doi.org/10.1088/1742-6596/1741/1/012030> (SCOPUS & WoS)
7. V. Melnyk, V. Vlasovets, Ie. Konoplianchenko, V. Tarelnyk, M. Dumanchuk, Vas. Martsynkovskyy, Yu. Semirnenko, S. Semirnenko. 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. 1741 (2021) pp. 012030-1 – 012030-15. <https://doi.org/10.1088/1742-6596/1741/1/012030> (SCOPUS & WoS)
8. 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> (SCOPUS & WoS)
9. Semirnenko YI, Semirnenko SL Utilization of worn-out tractor tires by processing into fuel briquettes. Yu.I. Semirnenko, SL Semirnenko // Bulletin of SNAU, series Mechanization and automation of production processes, issue 3 (41), 2020, - P. 17-20.
10. Semirnenko YI, Semirnenko SL Solving environmental problems of the region through the use of plant agricultural biomass as fuel / Semirnenko YI, Semirnenko SL // Bulletin of the SNAU, series Mechanization and automation of production processes, Issue 1 (39), 2020, pp. 7-12.
11. Semirnenko YI, Semirnenko SL Improving the technological process of removing potato tops with motoblock technology / Yu.I. Semirnenko, SL Semirnenko // Bulletin of the SNAU, 1 (47) 2022.

Projects Experience:

2014-2015 – participant of the FAO (UNO) project of specialized module training program “Successful Grain Agribusiness in a Small Area”  
Internship abroad: "Innovative technologies in science and education: European experience" Wroclaw University of Nature Management (Poland). Scientific and pedagogical internship. Register. № 0771 dated March 29, 2021

Annexes