



## Yuliia Denysenko

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**Gender:** Female **Date of birth:** 23/06/1984 **Nationality:** Ukrainian

### WORK EXPERIENCE

[ 01/09/2020 – Current ] **Deputy Head of the Department "Manufacturing Engineering, Machines and Tools" for International Affairs**

**Sumy State University**

**City:** Sumy

**Country:** Ukraine

[ 11/2006 – Current ] **Senior lecturer, PhD**

**Sumy State University**

**Address:** Sumy, Ukraine

**Main activities and responsibilities:**

- teaching courses;
- research work;
- leading the graduate theses of bachelor's and master's degree;
- didactic work.

[ 09/2010 – Current ] **Metrology Engineer**

**Regional Clinical Medical Centre of Socially Dangerous Diseases**

**Address:** Sumy, Ukraine

**City:** Sumy

**Country:** Ukraine

**Main activities and responsibilities:**

- organization of calibration and repair of measuring equipment;
- full control over the metrological support of all units;
- participation in the preparation and conduct of the clinical diagnostic laboratory's certification, and in the institution's accreditation

[ 11/2006 – 08/2016 ] **Assistant Professor**

**Sumy State University**

**Address:** Sumy, Ukraine

**City:** Sumy

**Country:** Ukraine

[ 08/2006 – 10/2006 ] **Engineer in science-technical department**

***SE "Sumy Regional Research and Production Center of Standardization, Metrology and Certification"***

**Address:** Sumy, Ukraine

**City:** Sumy

**Country:** Ukraine

**Main activities and responsibilities:**

- harmonization of the standards

[ 06/2002 – 08/2002 ] **Measurers and special instruments controller of second category**

***JSC "Sumy Frunze Manufacturing Science and Production Association"***

**Address:** Sumy, Ukraine

**Main activities and responsibilities:**

- control of Metric Threads;

- control of the Plug Gauges, Snap Gauges

## **EDUCATION AND TRAINING**

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[ 01/11/2006 – 31/10/2009 ] **PhD studies in Standardization, Certification and Metrological Equipment**

***Sumy State University***

**Address:** Sumy, Ukraine

**Main subject / occupational skills covered:**

Ph.D. thesis defended in Odessa National Polytechnic University, Odessa, Ukraine, 29/09/2016.

Scientific adviser - Viliam Zaloha, DSc., Professor of the Department of Manufacturing Engineering, Machines and Tools, Sumy State University.

In the thesis the peculiarities of tool preparation of engineering companies that were prerequisite to the development of common methods in making decisions about the quality of its processes.

[ 09/2005 – 07/2006 ] **Master of Science in Quality of Products, Standardization and Certification - Honor of excellence diploma**

***Sumy State University***

**Address:** Sumy, Ukraine

**Level in EQF:** EQF level 8

[ 09/2003 – 07/2005 ] **Bachelor of Science in Mechanical Engineering (Specialization - Manufacturing Engineering) - Honor of excellence diploma**

***Sumy State University***

**Address:** Sumy, Ukraine

**Level in EQF:** EQF level 7

[ 09/1999 – 07/2003 ] **Junior Specialist in Machining of Materials on Machine Tools and Automatic lines - Honor of excellence diploma**

***Machine Building College***

**Address:** Sumy, Ukraine

**Level in EQF:** EQF level 5

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**LANGUAGE SKILLS**

**Mother tongue(s):** Ukrainian, Russian

**Other language(s):**

**English**

**LISTENING B2 READING C1 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

**German**

**LISTENING A1 READING A2 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

**Polish**

**LISTENING A1 READING A1 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

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**PUBLICATIONS**

**Books**

Denysenko Y., Zaloga V., Ivchenko O. Improvement of the normative base of tool production concerning the improvement of technical and economic indicators: monograph. - Sumy: PF "SumDU Publishing House", 2020. 93 p. [In Ukrainian]

**Book chapters**

1. Dynnyk O., Denysenko Y., Zaloga V., Ivchenko O., Yashyna T. (2020) Information Support for the Quality Management System Assessment of Engineering Enterprises. In: Ivanov V. et al. (eds) Advances in Design, Simulation and Manufacturing II. DSMIE-2019. Lecture Notes in Mechanical Engineering. Springer, Cham, Pages 65-74, DOI: 10.1007/978-3-030-22365-6\_7
2. Denysenko Y., Dynnyk O., Yashyna T., Malovana N., Zaloga V. (2019) Implementation of CALS-Technologies in Quality Management of Product Life Cycle Processes. In: Ivanov V. et al. (eds) Advances in Design, Simulation and Manufacturing. DSMIE-2018. Lecture Notes in Mechanical Engineering. Springer, Cham, 2019, pp. 3-12, DOI: 10.1007/978-3-319-93587-4\_1.
3. Zaloga V., Denysenko Y. Improving technical and economic indicators of tool provision of manufacturing engineering production by improving the regulatory documents. New stages of development of modern science in Ukraine and EU countries: monograph. - 3rd ed. - Riga, Latvia: "Baltija Publishing", 2019. - 348 p. - pp. 116-142. <https://doi.org/10.30525/978-9934-588-15-0-54> [In Ukrainian]

**Selected papers**

1. Kushnirov, P., Denysenko, Y., Ostapenko, B., Zhyhylii, D., Stupin, B. (2022) Improvement of the Milling Effectiveness by Application of Composite Milling Heads, Advances in Design, Simulation and Manufacturing V. DSMIE 2022. Lecture

Notes in Mechanical Engineering. Springer, Cham. DOI: 10.1007/978-3-031-06025-0\_29

2. Korotun M., Denysenko Y., Ciszak O., Ivchenko O. (2021) Improvement of the Gear Shaping Effectiveness for Bimetal Gears of Internal Gearing with a Friction Coating. In: Ivanov V., Trojanowska J., Pavlenko I., Zajac J., Peraković D. (eds) Advances in Design, Simulation and Manufacturing IV. DSMIE 2021. Lecture Notes in Mechanical Engineering. Springer, Cham. DOI: 10.1007/978-3-030-77719-7\_44
3. Denysenko, Y., Ivanov, V., Luscinski, S., Zaloga, V. An integrated approach for improving tool provisioning efficiency. Management and Production Engineering Review, 2021, 11(4), pp. 4–12. DOI: 10.24425/mper.2020.136115
4. Ivanov, V., Liaposhchenko, O., Denysenko, Y., Pavlenko, I. Ensuring economic efficiency of flexible fixtures in multiproduct manufacturing. Engineering Management in Production and Services, 2021, 13(1), pp. 53–62
5. Korotun, M., Denysenko, Y., Malovana, N., Dutchenko, O. Improvement of the Effectiveness of General Engineering Courses Using Trainers. Lecture Notes in Mechanical Engineering, 2020, pp. 23–34 DOI: 10.1007/978-3-030-50794-7\_3
6. Denysenko, Y., Kysylevska, A., Panchenko, O., Zaloga, V., Dymnyk, O. Decision-making based on prediction of oil quality indicators in the enterprise's information system. Lecture Notes in Mechanical Engineering, 2020, pp. 25–31
7. Ivanov V., Dehtiarov I., Denysenko Y., Malovana N., Martynova N. Experimental diagnostic research of fixture. Diagnostyka 2018;19(3):3–9. DOI: 10.29354/diag/92293
8. Denysenko Y., Ivanov, V., Ivchenko A. Quality Assessment of Teaching the Disciplines in the E-learning Environment of Sumy State University. CEUR Workshop Proceedings, Volume 1844, 2017, Pages 166-175. EID: 2-s2.0-85020533372
9. Korotun, M.M, Denysenko, Y.O. Application of the term “envelope requirement” for conical joints / Promising technologies and devices // Lutsk December 2016 - Lutsk: Lutsk NTU, 2016. - 164 p. pp.53-59. [In ukrainian]

## NETWORKS AND MEMBERSHIPS

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### Memberships

**since 2022** Member of the European Alliance for Innovation (EAI)

**since 2020** Member International Association of Engineers (Membership ID # 270716)

**since 2019** Member of International Association for Technological Development and Innovations

(Membership ID #0006)

## PROJECTS

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### Projects

**since 2022** Improvement of the Production Planning by Implementation of the Computer-Aided Fixture Design System (Joint Ukrainian-Slovak R&D Project for the period of 2022–2023 funded by the Ministry of Education and Science of Ukraine)

**since 2019** Principles of decision-making in managing the processes of the life cycle of complex products and military equipment (Reg.number № 51.20.01-19/21.3П-01)

**since 06/2016** Increase of effectiveness of technological processes concerning parts manufacture and machine assembling by means of improvement of construction materials machining methods, manufacturing machinery and tooling, quality systems of organization and technics teaching methods. (Reg.number №0116U000933)

**06/2018-10/2018** Development by the method of translation and adoption of the national standard regarding the requirements and guidelines for the application of the anti-corruption management system harmonized with the international standard ISO 37001: 2016 (Reg.number №0118U100028)

**01/2017-12/2018** Fundamental aspects of decision making in the tools preparation system in machine-building enterprises (Reg.number №0116U0002624)

**01/2010-12/2015** Development and research of technological methods of surfaces' treatment, devices for their realisation, progressive methods of machining, designs and tools, quality systems for organisations and methods of technical discipline teaching (Reg.number №0110U002622)

## MANAGEMENT AND LEADERSHIP SKILLS

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### Organizer

- 2021 December - 2022 January: co-coordinator of the Joint Program for Virtual Mobility "Tool Materials for Manufacturing Technology" between Sumy State University, Ukraine, and Technical University of Košice, Slovak Republic (for 106 students of Sumy State University)
- 2021: Erasmus Day on The Faculty of Technical Systems and Energy Efficient Technologies
- 2021: DSMIE Summer School

## ACHIEVEMENTS OF MY STUDENTS

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### Achievements of My Students

**1.** International Student Professional Creative Competition "Agricultural Sciences and Food (Agroengineering)", Mykolaiv National Agrarian University.

2022 - III place, Korniienko A. (Sumy State University), Istvan H. (Technical University of Cluj-Napoca).

**2.** All-Ukrainian Olympiad on "Interchangeability, Standardization and Technical Measurement", Mykolayiv National Agrarian University

2019 - II place, Sakhno M.

2018 - II place, Philipiv D.

2017 - I place, Vasilchenko D.

2016 - II place, Tertishnik O.

**3.** All-Ukrainian competition of student's scientific papers in the field of "Machine Science". Chernihiv State Technological University

2013 - III place, Kibukevich I.

## TEACHING EXPERIENCE

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### Teaching Experience

**1.** Tolerances and Fits. Interchangeability, Standardization and Technical Measurements (2009 - present)

**2.** Technology of Manufacturing Engineering (2011 - present)

**3.** Standardization, Metrology and Quality Management (2012 - present)

**4.** Fundamentals of Qualimetry and Quality Management Methods (2020 - present)

**5.** Standardization and Control of Product Safety (2020 - present)

**6.** Organization and Testing Technologies (2020 - present)

**7.** Methods of Quality Management (2014-2019)

**8.** Metrology and Standardization (2012 - 2019)

**9.** Accreditation of Certification Agencies (2014)

**10.** Technological Basis of the Technology of Manufacturing Parts and Assembling of Machines (2013 - 2017)

**11.** Audit of Quality Management Systems (2013-2016)

**12.** Information Communication Management (2012 - 2015)

## PEER-REVIEW EXPERIENCE

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### Invited Reviewer for Peer-Reviewed Journals

- 2020: Management and Production Engineering Review (ISSN 2080-8208);
- since 2019: Lecture notes in Mechanical Engineering, Springer (ISSN 1876-1100)
- 2020: Advanced Manufacturing Processes (Print ISSN 2195-4356)

## INTERNSHIPS

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[ 25/04/2022 – Current ] **Internship at Poznan University of Technology**

Subject of research "Modern Technologies in Production Planning and Tool Provision"

Academic supervisor: Dr. Justyna Trojanowska, PhD. Eng., Vice Dean, Faculty of Mechanical Engineering,

[ 11/04/2022 – 15/04/2022 ] **Internship at Kielce University of Technology**

Activities: training regarding the enabling technologies of Industry 4.0 in the Smart Production System Modelling Laboratory of Kielce University of Technology, Faculty of Management and Computer Modelling.

Academic supervisor: dr inż. Sławomir Luściński, Assistant Professor at Department of Production Engineering.

[ 11/10/2021 – 15/10/2021 ] **ERASMUS+ Staff Mobility for Teaching at Kielce University of Technology**

Completed 8 hours of teaching activities for our students on *Quality Management of the Production Processes: Statistical Methods*

[ 01/11/2020 – 31/01/2021 ] **Internship at Kielce University of Technology**

Subject of research: Tool Provisioning: Analysis and Optimization.

Academic supervisor: dr inż. Sławomir Luściński, Assistant Professor at Department of Production Engineering.

## CERTIFICATES

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### Certificates

**10/02/2017-10/02/2022** "Quality management and metrological support of production processes and technological systems" Certificate of Sumy State University (CH № 05408289 / 0391-22)

**24-27/05/2021** "Social Media Marketing: a basic teacher's course" Certificate of Sumy State University (СП № 05408289 / 1924-21)

**5-16/11/2020:** Certificate for completion of the advanced training course "Metrology and Information Measurement Systems. Measurement Practice: Current Trends and Challenges" (36 hours, RN 51.20.18 / 107)

**13/04/2016** "Two-year intensive English course (216 hours) from the following blocks: Everyday English; Mathematics, Engineering and technology; Classroom English". Certificate of Sumy State University

**04/12/2012** "Certification of measuring laboratories in the State metrology system of Ukraine". Certificate №121/12 of State Enterprise "Sumy Regional Scientific and Production Center for Standardization, Metrology and Certification"

**19-27/05/2010** "Experimental program for preparing a future engineer for organizing, research and performing activities". Certificate of Sumy State University (10 hours)

## **HONOURS AND AWARDS**

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### **Honours and Awards**

**06/2006** Diploma I degree. Competition for students' scientific work. Sumy State University