

CURRICULUM VITAE

1. PERSONAL INFORMATION	
First name:	Oleg
Family name:	Zabolotnyi
Date of birth and place:	03.11.1975, Ukraine
Nationality:	Ukrainian
Civil status:	Married
Contacts: - phone	+380505850276
- e-mail	volynasi@gmail.com o.zabolotnyi@lntu.edu.ua
Scientific Degree, specialty	Ph.D. in Engineering, «Powder Metallurgy and Composite Materials»
Academic Rank	Associate Professor
Department	Applied Mechanics and Mechatronics
Affiliation	Lutsk National Technical University (LNTU) https://rating2.lntu.edu.ua/uk/zabolotniyolegvasilovich
Other Position	Head of SDTB «Innovation Park» LNTU https://www.innovation-park.site/
Public activity	NGO GROWTH POLE https://sites.google.com/view/growth-pole/
Research interests:	Development of Energy-Efficient Technologies for Creating New High-Performance Powder & Composite Eco-Materials. Industry 4.0/5.0 Technologies: Smart Automation, IoT&DS Open Science and Sustainable Development



2. EDUCATION AND DEGREES RECEIVED

Dates	Organisation, Department	Degree	Qualification & Diploma Received
1992-1997	Lutsk Industrial Institute, Student of Engineer-Designer Faculty	MSc	Engineer-Mechanic Qualification and Diploma of Specialist in specialty «Metal-Cutting Machine Tools and Systems»
1997-2001	Lutsk State Technical University, Post-Graduate student of Materials Science Department		Engineer-Researcher Qualification in specialty «Powder Metallurgy and Composite Materials»
2004	National Technical University of Ukraine «Kyiv Polytechnic Institute»	Ph.D	Scientific Degree Ph.D. in Engineering and Diploma of Candidate of Engineering Sciences (Ph.D.) in specialty «Powder Metallurgy and Composite Materials»
2005	Lutsk National Technical University, Computer Machine-Tools Design and Machine-Building Technologies Department		Academic Rank and Diploma of Associate Professor of Computer Machine-Tools Design and Machine-Building Technologies Department
2007-2009	Lutsk National Technical University, Student of Business Faculty	MSc	Qualification and Diploma of Master's Degree in specialty «Management of innovative activity»

3. PROFESSIONAL EXPERIENCE

Dates	Location	Company	Position	Activity and Responsibility
01.09.1999 – 26.04.2004	Lutsk, Ukraine	Lutsk National Technical University	assistant lecturer	Teaching and scientific work
27.04.2004 – 25.10.2004	Lutsk, Ukraine	Lutsk National Technical University	senior lecturer	Teaching and scientific work
26.10.2004 – to present	Lutsk, Ukraine	Lutsk National Technical University	associate professor	Teaching and scientific work
20.10.2005 – 08.01.2021	Lutsk, Ukraine	Lutsk National Technical University	dean of technological faculty	Organisation and control of educational process and scientific work

Dates	Location	Company	Position	Activity and Responsibility
05.03.2009 – to present	Lutsk, Ukraine	Public Organisation «Volyn Association of Scientists and Innovators»	vice-head of board	Organisation and control of activity
26.04.2011 – to present	Lutsk NTU, Ukraine	Delcam Training Centre of LNTU	Founder, Director	Training, research and application of advanced technologies in computer design and manufacturing of products based on AutoDesk (DELICAM ltd) CAD/CAM software (UK)
09.09.2014 – to present	Lutsk NTU, Ukraine	Interfaculty Technology & Product Design Lab of LNTU	Founder, Adviser	Research, development and implementation of smart energy-efficient (green) technologies, new materials and installations of alternative energy, energy audit and energy-efficiency assessment of enterprises
12.11.2015 – to present	Lutsk NTU, Ukraine	Energy-Efficiency Lab of LNTU	Founder, Adviser	Research, development and implementation of smart energy-efficient (green) technologies, new materials and installations of alternative energy, energy audit and energy-efficiency assessment of enterprises
09.01.2021 – to 30.09.2022	Lutsk NTU, Ukraine	Lutsk National Technical University	Vice-Rector for R&D	Organisation and control scientific work and research of university
19.04.2022 – to present	Lutsk, Ukraine	NGO Growth Pole	Head of board	Organisation and control of activity
01.10.2022 – to present	Lutsk NTU, Ukraine	SD&TB Innovation Park	Founder, Director	Development & implementation of innovative products, developments and technologies

4. SCIENTIFIC AND INTERNATIONAL RESEARCH EXPERIENCE

- Author and coauthor is more than 120 scientific articles, 19 patents, 2 textbooks and 5 monographs, in particular joint international monograph: «Modern Tendencies in Higher Engineering Education: Experience of the European countries and Recommendations for Ukraine» / General edition by Sulaymon L. Eshkabilov. Editorial board: Lennart Johansson, Victor Kordas – «Driant», 2015.
- **Member of editorial and scientific committees of International and Ukrainian scientific professional journals:**
 - Annals of Emerging Technologies in Computing, **AETiC** (UK) <http://aetic.theiaer.org/editors.htm>
 - The Journal of Entrepreneurship, Business and Economics, **JEBE** (Canada) <http://scientifica.com/index.php/JEBE/about/editorialTeam>
 - Journal Machines MDPI (Switzerland). Special Issue: Design and Manufacture of Advanced Machines https://www.mdpi.com/journal/machines/special_issues/advanced_machines https://www.mdpi.com/journal/machines/special_issues/575706VYPH
 - EAI Endorsed Transactions on Digital Transformation of Industrial Processes, **DTiP** (Portugal) <https://publications.eai.eu/index.php/dtip/about/editorialTeam>
 - *Perspective Technologies and Devices* <https://eforum.lntu.edu.ua/index.php/jurnal>
 - Scientific Notes https://eforum.lntu.edu.ua/index.php/naukovi_notatky
 - Advances in Mechanical Engineering and Transport <https://eforum.lntu.edu.ua/index.php/jurnal-mbf/about>
- **Member of scientific boards and committees of International conferences:**
 - Advanced Materials for Demanding Applications, **AMDA** (UK);
 - EAI International Conference on Smart Cities, **Mobility IoT** (Slovakia);
 - International Conference «Design, Simulation, Manufacturing: The Innovation Exchange, **DSMIE**;
 - EAI World Congress on Engineering and Technology; Innovation and its Sustainability, **WCETIS**;
 - Grabchenko's International Conference on Advanced Manufacturing Processes, **InterPartner**;
 - EAI International Conference on Management of Manufacturing Systems, **MMS** (Croatia);
 - International Conference on Emerging Technologies in Computing, **iCETiC**, (UK)
 - International Conference Innovation in Engineering, **ICiE** (Portugal)
 - EAI International Conference on Automation and Control in Theory and Practice, **ARTEP** (Slovakia)
 - International Conference on Dependable Systems, Services and Technologies, **DESSERT** (Greece)

➤ **Member of International Professional Associations and Societies:**

- International Association for Educators and Researchers IAER (UK), Member number #180420
<https://www.theiaer.org/>
- European Alliance for Innovation (EAI)
<https://account.eai.eu/profiles/6993ec8a-3668-4bdc-ba57-3d0abef58ac9>
- Coalition for Advancing Research Assessment, COARA
<https://coara.eu/coalition/membership/>
- International Association for Technological Development and Innovations (iATDi)
<http://iatdi.org/#at-about>
- Frantsevich Ukrainian Materials Research Society
<https://umrs.org.ua/society/society-participants>
- NGO Volyn Association of Scientists and Innovators
<https://clarity-project.info/edr/36452569>
- NGO Growth Pole
<https://sites.google.com/view/growth-pole/>

5. INTERNATIONAL INTERNSHIPS & GRANT PROJECTS EXPERIENCE

Dates	Location	Company, Program & Project	Activity
1-26.08.2011	Birmingham, UK	Delcam Plc, Delcam Software advanced training	Delcam Software intensive course and advanced practical training
16.03.- 06.07.2013	Rexhem, UK	Glyndwr University, UA Internship Program 2201250	Internship within the Program 2201250 (MES Order №755 of 27.06.2012)
2012-2015	Stockholm, Sweden	KTH Royal Institute of Technology, TEMPUS Programme of EU, ENGITEC 530244-TEMPUS-1-2012-1-SE-TEMPUS-JPCR	Manager of the ENGITEC project «Modernizing higher engineering education in Georgia, Ukraine and Uzbekistan to meet the technology challenge»
17-23.03.2013 12-15.06.2013	Leeds, UK	University of Leeds, EU TEMPUS IV Programme, ENGITEC 530244-TEMPUS-1-2012-1-SE-TEMPUS-JPCR	Work and advanced training within the Tempus project ENGITEC «Modernizing higher engineering education in Georgia, Ukraine and Uzbekistan to meet the technology challenge»
17-19.10.2013	Kielce, Poland	Politechnika Świętokrzyska, INNO-TECH EXPO 2013	Participation in exhibition INNO-TECH EXPO 2013
24-30.11.2013	Tashkent, Uzbekistan	Tashkent Automotive Road Institute EU TEMPUS IV Programme, ENGITEC	Work and advanced training within the Tempus project ENGITEC
9-13.12.2013	Stockholm, Sweden	Royal Institute of Technology, KTH EU TEMPUS IV Programme, ENGITEC	Work and advanced training within the Tempus project ENGITEC
8-12.12.2014	Tbilisi, Georgia	Georgian Technical University EU TEMPUS IV Programme, ENGITEC	Work and advanced training within the Tempus project ENGITEC
19.07- 02.08.2015	Krakow, Poland	Politechnika Krakowska, EU TEMPUS IV Programme, MMATENG 543994-TEMPUS-1-2013-1-BE-TEMPUS-JPCR	Work and advanced training within the Tempus project MMATENG «Modernization of two cycles (MA, BA) of competence-based curricula in Material Engineering according to the best experience of Bologna Process»
20-27.09.2015	Batumi, Georgia	Shota Rustaveli State University EU TEMPUS IV Programme, ENGITEC	Work and advanced training within the Tempus project ENGITEC
20-24.11.2016	Freiburg, Germany	Fraunhofer-Institut für Solare Energiesysteme ISE, GIZ Green Economy Programme, PREMA	Advanced training and experience exchange within the PREMA project - «Profitable Resource Efficiency Management»
25.09- 3.10.2017	Germany	PREMA Project, GIZ Green Economy Programme	Work and advanced training within the PREMA project «Profitable Resource Efficiency Management»
01.12.2017 – 04.12.2018	Belarus-Ukraine	Eastern Partnership Territorial Cooperation Programme (EaPTC), Project 64/P1/1.3 - «Enhancing the competitiveness of graduates on labor markets of Ukraine and Belarus through establishment of cross-border regional network of university Centers of vocational and career guidance»	Work and advanced training within the project «Enhancing the competitiveness of graduates on labor markets of Ukraine and Belarus through establishment of cross-border regional network of university Centers of vocational and career guidance»

15.01.2020 – 14.01.2023	Belgium	Katholieke Universiteit Leuven, Erasmus+: KA2 Capacity Building in the Field of Higher Education (CBHE), HEIN4.0 609939-EPP-1-2019-1-BE-EPPKA2-CBHE-JP	Work as Expert within the project HEIN4.0 - «Boosting the role of HEIs in the industrial transformation towards the Industry 4.0 paradigm in Georgia and Ukraine» 609939-EPP-1-2019-1-BE-EPPKA2-CBHE-JP
07.06.2022 – 10.06.2022	Porto, Portugal	Instituto Politecnico do Porto, HEIN4.0 609939-EPP-1-2019-1-BE-EPPKA2-CBHE-JP	Study visit to Instituto Politecnico do Porto – work and advanced training within the HEIN4.0 project
2022 – 2024	Thessaloniki, Greece	Aristotle University of Thessaloniki (coordinator), Greece https://eit-hei.eu/projects/accent/ European Institute of Innovation and Technology Program, AccEnt Project	Work and advanced trainings within the project «AccEnt» - Accelerating Innovation and Entrepreneurial Excellence in Higher Education Institutes
2021 – 2025	Brussels, Belgium	European Cooperation in Science and Technology, COST Action CA20126 https://www.cost.eu/actions/CA20126/ Network for research, innovation and product development on porous semiconductors and oxides (NETPORE)	Management Committee member from Ukraine, COST Action CA20126 Member of Work Groups WG1,3,4 within the COST CA20126 R&D project NETPORE
2022 – 2026	Brussels, Belgium	European Cooperation in Science and Technology, COST Action CA21121 https://www.cost.eu/actions/CA21121/ European Network for the Mechanics of Matter at the Nano-Scale (MecaNano)	Management Committee member from Ukraine, COST Action CA21121 Member of Work Groups WG1-3 within the COST CA21121 R&D project MecaNano
2021 – 2025	Brussels, Belgium	European Cooperation in Science and Technology, COST Action CA20101 https://www.cost.eu/actions/CA20101/ Plastics monitoring detection Remediation recovery (PRIORITY)	Management Committee member from Ukraine, COST Action CA20101 Member of Work Groups WG5,7 within the COST CA20101 R&D project PRIORITY
2023 – 2027	Brussels, Belgium	European Cooperation in Science and Technology, COST Action CA22123 https://www.cost.eu/actions/CA22123/ European Materials Acceleration Center for Energy (EU-MACE)	Management Committee member from Ukraine, COST Action CA22123 Member of Work Groups WG1-5 within the COST CA22123 R&D project EU-MACE
2023 – 2027	Brussels, Belgium	European Cooperation in Science and Technology, COST Action CA22143 https://www.cost.eu/actions/CA22143/ European Materials Informatics Network (EuMINE)	Management Committee member from Ukraine, COST Action CA22143 Member of Work Groups WG1-5 within the COST CA22143 R&D project EuMINE
19 May – 24 November 2024	Japan	Japan International Cooperation Agency (JICA) in Collaboration with ESD Consortium under the International Cooperation Program of the Government of Japan – JICA Online Seminar "Industrial Technology Education" for Ukraine	Internship for Ukrainian academic staff and researches with on-line seminars and preparation of Action Plan for modernization of Industrial Technology Education in Ukraine

➤ **Preparation and Implementation Grant Projects within the different International Programs.**

Has experience in preparation and implementation international projects within the Framework of Neighbour-Hood Program PL-BY-UA INTERREG IIIA/ TACIS CBC:

- Consultant and participant of the project IPBU.03.01.00-06-386/11-00 «PL-NTU Cross-border exchange of experience» - Cross-Border Cooperation Programme PL-BY-UA (2013-2015);

- Expert of the project “Enhancing the competitiveness of graduates on labor markets of Ukraine and Belarus through establishment of cross-border regional network of university Centers of vocational and career guidance” - Eastern Partnership Territorial Cooperation Programme (EaPTC) Belarus-Ukraine (2017-2018).

Has over 10 years experience in preparation & implementation of international projects as consultant, expert and participant of the international projects, in particular:

Consultant, expert of international projects:

- «**La MANCHE**» Leading and Managing Change in Higher Education (2012-2015);

- «**MMATENG**» Modernization of two cycles (MA, BA) of competence-based curricula in Material Engineering according to the best experience of Bologna Process (2013-2016).

Manager of the TEMPUS project «ENGITEC» Modernizing higher engineering education in Georgia, Ukraine and Uzbekistan to meet the technology challenge (2012-2015).

Expert and participant of the ERASMUS+KA2 project «HEIn4.0» Boosting the role of HEIs in the industrial transformation towards the Industry 4.0 paradigm in Georgia and Ukraine (2020-2023).

Expert and participant of the AccEnt Project of EU – Accelerating Innovation and Entrepreneurial Excellence in Higher Education Institutes under the European Institute of Innovation and Technology Program (2022-2024) <https://eit-hei.eu/projects/accent/>

Management Committee (MC) member from Ukraine and Member of working groups (WG) of R&D projects within the European Cooperation in Science and Technology program (COST):

1) **COST Action CA20126** - Network for research, innovation and product development on porous semiconductors and oxides (**NETPORE**) 2021-2025 <https://www.cost.eu/actions/CA20126/>

2) **COST Action CA21121** - European Network for the Mechanics of Matter at the Nano-Scale (**MecaNano**) 2022-2026 <https://www.cost.eu/actions/CA21121/>

3) **COST Action CA20101** - Plastics monitoring detection Remediation recovery (**PRIORITY**) 2021-2025 <https://www.cost.eu/actions/CA20101/>

4) **COST Action CA22123** - European Materials Acceleration Center for Energy (**EU-MACE**) 2023-2027 <https://www.cost.eu/actions/CA22123/>

5) **COST Action CA22143** - European Materials Informatics Network (**EuMINE**) 2023-2027 <https://www.cost.eu/actions/CA22143/>

6. LANGUAGE SKILLS: (5 - excellent; 1 - basic)

Language	Reading	Speaking	Writing
Ukrainian	5	5	5
English	4	4	4

8. EXPERT ACTIVITY & OTHER RELEVANT INFORMATION

Member of the Branch Expert Council of the National Agency for Quality Assurance of Higher Education (NAQA) in branch 13 Mechanical Engineering (2020-2021).

Member of the Specialized Scientific-Technical Council of the Ministry of Education and Science of Ukraine for the selection of scientific works, R&D and infrastructure projects, financed by the EU external assistance instrument for the fulfillment of Ukraine's obligations in the EU Scientific Research and Innovation Framework Program "Horizon 2020". (Order of MESU No.39 dated 01.20.2022)

Expert in the expertise of scientific research projects and scientific-technical (experimental) developments, which are submitted for participation in the Ministry of Education and Science of Ukraine competitions in the Materials Science area. (Order of MESU No.1111 from 12.12.2022)

Independent External Expert on the projects expertise within the framework of the European Union program COST - European Cooperation in Science & Technology (<https://www.cost.eu>)

RESEARCH INTERESTS: Development of Energy-Efficient Technologies for Creating New High-Performance Powder & Composite Eco-Materials. Industry 4.0/5.0, IoT&DataScience Technologies, Smart automation, Sustainable Development and Open Science

TEACHING COURSES: Data Science Technologies, Databases & Knowledge Organization, Computer Design Technologies (IoT&DS), Big Data & Analytics, Sustainable Development in Engineering, Internet of Things Technologies, Mathematical Modeling

AWARDED: Honoured Diploma of Ministry of Education and Science of Ukraine (2006), Honoured Diploma of Volyn Regional State Administration (2009), Grant holder of Cabinet Ministers of Ukraine for young scientists (2008-2010), Gratuities of the UK Company Delcam Ltd and AUTODESK 2012-2016: Honoured Diploma of Volyn Regional Council (2019), Honoured Diploma of Ministry of Education and Science of Ukraine (2022): Appreciation of International Association for Technological Development and Innovations (iATDi) 2024

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SCOPUS ID: <https://www.scopus.com/authid/detail.uri?authorid=56520138000>

WEB OF SCIENCE Researcher ID: <https://www.webofscience.com/wos/author/record/U-9960-2017>

GOOGLE SCHOLAR: https://scholar.google.com.ua/citations?user=z_TwSUAAAAJ

SciProfiles: <https://sciprofiles.com/profile/614441>

RESEARCHGATE: https://www.researchgate.net/profile/Oleg_Zabolotnyi

ACADEMIA: <https://lutsk-ntu.academia.edu/OlegZabolotnyi>

LinkedIn: <https://www.linkedin.com/in/olegzabolotnyi>

IEEE-Collabratec: <https://iee-collabratec.ieee.org/app/p/OlegZabolotnyi>

Web-Профіль Науковці України: <http://irbis-nbuv.gov.ua/ASUA/0104430>

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