Curriculum Vitae

Dmytro Liashenko

PERSONAL INFORMATION

Dmytro Liashenko



Work address: 90 Vasylkivska St., Kyiv, 02166, Ukraine
Work phone: +38 044 521 3338
Work email: liashenko.d@knu.ua
Personal webpage: https://www.linkedin.com/in/liashenko-dmytro-5472237b/
Social media/chats: https://www.facebook.com/uageo
Gender: M | Date of birth: 27/07/1971 | Citizenship: Ukraine

Academic degree (degree, specialty)	Doctor of Geographical Sciences, geographical cartography
Academic title	professor
Position	professor of the department
Department	geoinformatics
Faculty/institute	*Educational and Scientific Institute "Institute of Geology"*
Part-time position	

Academic disciplines taught / in the teaching of which participated:

Current Year	Digital Photogrammetry; bachelor's degree, 3rd year, lectures Municipal GIS; bachelor's degree, 3rd year, lectures Geodesy; bachelor's degree, 2nd year, lectures Computer Graphics in GIS; master's degree, lectures Geodatabase Design; master's degree, lectures Ecological Mapping of Natural and Anthropogenic Systems; master's degree, lectures Geodatabases in Decision Support Systems; master's degree, lectures
Previous Periods	Higher Geodesy; bachelor's degree, 4th year, GIS, ESND (Evaluation and Management of Real Estate), lectures, laboratory classes Phototopography; bachelor's degree, 3rd year, GIS, ESND, lectures, laboratory classes Municipal GIS; bachelor's degree, 3rd year, GIS, ESND, lectures, laboratory classes GIS in Territorial Management; master's degree, 1st year, lectures, laboratory classes Spatial Data Infrastructures; master's degree, 1st year, lectures, laboratory classes Metrology, Standardization, and Certification; bachelor's degree, 2nd year, GIS, ESND, lectures, practical classes Cartographic Design; master's degree, 1st year, lectures, laboratory classes

EXPERIENCE IN SCIENTIFIC AND SCIENTIFIC-PEDAGOGICAL WORK

Period	Stage (description)
From 2020 to present	Professor of the Department of Geoinformatics
	ERI "Institute of Geology" of Taras Shevchenko National University of Kyiv
	Lecturer
	Education / Science
From 2012 to 2020	Professor of the Department of Road Design, Geodesy and Land Management (2018–2020), Associate Professor of the same department (2011–2018)
	Faculty of Transport Construction of the National Transport University
	Lecturer
	Education / Science
From 2006 to 2010	Associate Professor of the Department of Aerospace Geodesy
	Institute of Municipal Economy of the National Aviation University
	Lecturer
	Education / Science
From 2003 to 2011	Associate Professor of the Department of Tourism
	Faculty of Natural Sciences and Geography of the National Pedagogical Dragomanov University
	Lecturer
	Education / Science
From 1995 to 2012	Senior Researcher
	Institute of Geography of the National Academy of Sciences of Ukraine
	Scientific researcher
	Education / Science

EDUCATION AND TRAINING

Period	Stage (Description)
2025	Professional development training at the Slovak University of Technology in Bratislava – Institute of Management and the SPECTRA Centre of Excellence EU. Certificate No. 02.0225, from Jan 13, 2025, to Feb 24, 2025. **6 ECTS credits**.
2025	All-Ukrainian practical online course "Artificial Intelligence in Education: PRO Level". Sept 23–24, 2025. 15 hours / **0.5 ECTS credits**.
2025	“Tech Summer For Educators: Big Data Edition”. July 7, 2025 – Aug 28, 2025, Series KF No 26296/2025. 60 hours / **2 ECTS credits**.
2024	James Comey's "Ethical Leadership" Course. Jan 20 – Mar 1, 2024. Institution: Kyiv School of Public Administration named after Serhiy Nyzhnyy.

2023	Elective online course on the Coursera platform: "Remote Sensing Image Acquisition, Analysis and Applications". UNSW Sydney (The University of New South Wales, Australia) and IEEE Geoscience and Remote Sensing Society. Dec 10, 2023.
2022	KNU Educators Week by Genesis. Pedagogy mastery, audience attention management, cooperation with stakeholders (business, NGOs).
2022	Coursera online course: "Getting Started with BigQuery GIS for Data Analysts" (coursera.org).
2021	Ministry of Commerce of the People's Republic of China (Online). "Management of Protected Areas: Seminar on Management and Protection of Nature Reserves for Developing Countries" (April 15–28, 2021). Certificate No. 20A0320056 (**4 credits**).
2021	Roztocze Biosphere Reserve (Yavoriv Raion, Lviv Oblast) and Carpathian Biosphere Reserve (Rakhiv, Zakarpattia Oblast). Lead organization: Eberswalde University for Sustainable Development (Germany). Participation in an international field trip with German, Moldovan, and Ukrainian students and lecturers to the Roztocze Biosphere Reserve and "managed forest stands near Lopukhovo and Uholka-Shyrokyi Luh beech primeval forests of the Carpathian Biosphere Reserve" under the project "Transnational Biosphere Forests: Joint Learning in UNESCO Biosphere Regions for Conflict Prevention and Sustainable Transformation", Aug 8–14, 2021.
2020	ESRI MOOC (Massive Open Online Course): "Going Places with Spatial Analysis". Aug 20 – Sept 22, 2020.
2020	ESRI MOOC (Massive Open Online Course): "Do-It-Yourself Geo Apps". Aug 3–30, 2020.
2020	ESRI MOOC (Massive Open Online Course): "Cartography". Apr 20 – June 1, 2020.
2020	Eberswalde University for Sustainable Development, Eberswalde (Online). "Eastern Europe in a VUCA World (Volatility, Uncertainty, Complexity, and Ambiguity) - Cross-border learning in UNESCO biosphere regions for sustainable development under global change and increasing uncertainty", May 25–29, 2020.
2020	ESRI MOOC (Massive Open Online Course): "Spatial Data Science: The New Frontier in Analytics". Mar 24 – Apr 5, 2020. Application of GIS analytical capabilities.
2018	Taras Shevchenko National University of Kyiv, Kyiv. Defended a doctoral dissertation to obtain the scientific degree of **Doctor of Geographical Sciences** *(Note: text mentions candidate in one place but implies Doctor's level based on 2018 date/thesis scope)*, specialty 11.00.12 – Geographical Cartography, thesis topic: "Theoretical and Methodological Foundations of Mapping International Relations".
2017	Yuri Kondratyuk Poltava National Technical University. Professional development in the field of knowledge 19 "Architecture and Construction", specialty "Geodesy and Land Management" (Certificate of Professional Development 12SS/052999, Jan 3, 2017 – July 7, 2017). 36 hours.
2014	National Transport University, Kyiv. Awarded the academic title of **Associate Professor** of the Department of Road Design, Geodesy, and Land Management.
2008	Institute of Geography of the National Academy of Sciences of Ukraine, Kyiv. Awarded the academic title of **Senior Researcher** in the specialty "Geographical Cartography".
2000	Institute of Geography of the National Academy of Sciences of Ukraine, Kyiv. Defended a candidate dissertation to obtain the scientific degree of **Candidate of Geographical Sciences** (Ph.D.), specialty 11.00.12 – Geographical Cartography, thesis topic: "Cartographic Study of Human Development in Ukraine".
1997	State Institute for Professional Development and Retraining of Personnel of "Minekobezpeky" (Ministry of Environmental Safety) of Ukraine. "Application of GIS for Ecological Monitoring and Management". Certificate SPK AE No. 112185.

Sept 1990 - June 1995	Taras Shevchenko National University of Kyiv. Obtained a Specialist Degree qualification as a **Cartographer**.
Sept 1986 - Mar 1990	Slovianoserbsk Agricultural College. Obtained a technical qualification as a **Geodetic Technician**.

PERSONAL SKILLS

Personal Skills	Description
Native Languages	Ukrainian (native), Russian (fluent)
Foreign Language	English (B2, CEFR). Pearson Test of English General (2020), Certificate No. 56287310:1660:2006002314:270771.
Communication Skills	Extensive experience in academic teaching, public speaking, lecturing, student supervision, scientific consulting, and moderation of professional discussions.
Organizational	Member of the Specialized Academic Council D 26.001.07, Faculty of Geography, Taras Shevchenko National University of Kyiv (since 2019). Member of the Academic Council of the Institute of Geography, National Academy of Sciences of Ukraine (since 2012). Principal Investigator and Research Project Coordinator at the Institute of Geography, NAS of Ukraine (2000–2012).
Digital Competitions	Advanced management and analysis of raster and vector geospatial data; geospatial analytics; mathematical modeling; statistical data processing; thematic and atlas cartography; Python and JavaScript programming for geospatial applications; geospatial database management; cartographic data preparation and visualization.
Content Creation	Development of cartographic products for the National Atlas of Ukraine (printed and digital editions); preparation of scientific and educational geospatial content.
Cybersecurity & System	Configuration of access-control policies, software deployment, user support, and advisory services on cybersecurity risks and best practices.
Problem Solving	GIS software administration, workflow optimization, technical troubleshooting, and development of custom geospatial processing scripts.
IT & Software Skills	GIS and spatial databases: PostgreSQL/PostGIS, ArcGIS Pro, QGIS, MapInfo. Graphic design: Adobe Illustrator, Inkscape, GIMP. Office applications, social media management, and AI-assisted workflows.
Professional Skills	Planning and conducting cartographic and geospatial research; collection, processing, analysis, and interpretation of spatial data; production of thematic and special-purpose maps for territorial planning and management; preparation and presentation of scientific and technical reports. Geodetic field and office surveying experience.
Research Interests	Cartography, Geoinformatics, GeoAI, geospatial data science, geosystem analysis, thematic mapping, spatial modeling, geographic information management, geodetic surveying technologies, and modern methods of geospatial data acquisition and processing.

APPENDICES

Item	Links

Publications	1. Belenok, V., Hebryn-Baidy, L., Bielousova, N., Zavarika, H., Kryachok, S., **Liashenko, D.**, & Malik, T. (2023). Application of remote sensing methods for statistical estimation of organic matter in soils. Earth Sciences Research Journal, 27(3), 299–313. 2. Bohush-Zadnipriana, A., & **Liashenko, D.** (2023). The impact of anthropogenic factors on the activation of landslides and erosion in land assessment. 4th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2023. 3. Burachek, V., Kryachok, S., Belenok, V., Gladilin, V., **Liashenko, D.**, & Ivanyshyn, V. (2023). Astrogeodetic methodology evaluation for vertical deflection determination in oil and gas exploration: A case study in a Ukrainian deposit. Geodetski List, 77(4), 335–356. 4. Hordiichuk, S., Chernov, A., **Liashenko, D.**, & Stakhiv, I. (2024). Geoinformation modelling of the Lower Dnipro National Nature Park conditions as a consequence of the Kakhovka dam destruction. International Conference of Young Professionals "GeoTerrace-2024". 5. Kharchenko, A., Khrutba, V., Khrutba, Yu., Trofymenko, P., & **Liashenko, D.** (2023). Geoinformation modelling of environmental and economic risks in the field of road construction and repair. 17th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2023. 6. Kharchenko, A., Khrutba, V., Trofymenko, P., Stakhiv, I., & **Liashenko, D.** (2023). Forest roads restoration with biodiversity conservation using GIS. International Conference of Young Professionals "GeoTerrace 2023". 7. Kokosha, L., Trofymenko, P., **Liashenko, D.**, & Malik, T. (2025). Geoinformation modeling of the urban heat island in Kharkiv under wartime conditions. 18th International Scientific Conference "Monitoring of Geological Processes and Ecological Condition of the Environment", Monitoring 2025. 8. Kryachok, S., Belenok, V., **Liashenko, D.**, Hebryn-Baidy, L., Tretiak, R., & Boyko, O. (2025a). Peculiarities of the use of visualization systems on UAV platforms for remote gamma monitoring. Geodetski List, 79(2), 95–118. 9. Kryachok, S., Belenok, V., **Liashenko, D.**, Hebryn-Baidy, L., Tretiak, R., & Boyko, O. (2025b). Substantiation of the values of the field of view angles of mobile-type collimator detectors on aircraft carriers to improve the efficiency of detecting discrete sources of gamma radiation of natural and technogenic origin. International Journal of Remote Sensing, 46(13), 5107–5148. 10. **Liashenko, D.**, Babii, V., Boiko, O., Spytsia, R., & Putrenko, V. (2021a). Modern scientific approaches to maps quality assessment. 20th International Conference Geoinformatics: Theoretical and Applied Aspects. 11. **Liashenko, D.**, Babii, V., Boiko, O., Trofymenko, P., Trofymenko, N., & Prusov, D. (2021b). Geoecological aspect of Kyiv metropolitan area geoinformation support management. 20th International Conference Geoinformatics: Theoretical and Applied Aspects. 12. **Liashenko, D.**, Belenok, V., Spitsa, R., Pavlyuk, D., & Boiko, O. (2020a). Landslide GIS-modelling with QGIS software. XIV International Scientific Conference on Monitoring of Geological Processes and Ecological Condition of the Environment. 13. **Liashenko, D.**, Boiko, O., Nikitchenko, Y., Koper, N., & Bashutska, U. (2021c). Geoinformation support of forest management for sustainable development of the Carpathian region. 15th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2021. 14. **Liashenko, D.**, Kozodavov, S., Koper, N., Nikitchenko, Y., & Okhrimenko, S. (2021d). Geoinformation monitoring of regenerative successions at the territory of Khortytsia National Reserve. 15th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2021. 15. **Liashenko, D**. O., & Koper, N. Ye. (2023a). Conceptual modeling for ecotourism geoinformation support. Ukrainian Geographical Journal, 2023(1), 67–73. 16. **Liashenko, D.**, Pavlyuk, D., Spitsa, R., Belenok, V., & Omelchuk, S. (2020b). Conceptual modeling for geoinformation mapping of landslides. XIV International Scientific Conference on Monitoring of Geological Processes and Ecological Condition of the Environment. 17. **Liashenko, D.**, Trofymenko, P., Plichko, L., Slavinska, O., & Kozodavov, S. (2022a). Geospatial analysis for recreational resources assessment of the Khortytsia National Reserve. 16th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2022. 18. **Liashenko, D.**, Trofymenko, P., Tsiupa, I., Tustanovska, L., & Stakhiv, I. (2023b). The influence of geological processes on the formation of the relief of urbanised territories on the example of the Holosiivskii district of Kyiv. 4th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2023.

	19. **Liashenko, D.**, Tsiupa, I., Babiy, V., & Chekhniy, V. (2022b). Geoecological maps quality assurance at the stages of creation and use. Visnyk of Taras Shevchenko National University of Kyiv. Geology, 4(99), 85–94. 20. **Liashenko, D.**, Tykhonenko, B., Palienko, O., Trofymenko, P., & Malik, T. (2022c). Multidimensional geoinformation modeling of public transport in Bila Tserkva. 16th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2022. 21. **Liashenko, D.**, Zobniv, I., & Tsvyk, O. (2025e). Mapping mine risk using large-scale multispectral imagery. Visnyk of Taras Shevchenko National University of Kyiv. Geology, 1(108), 103–108. 22. Malik, T., Tsibenko, B., Honchar, I., **Liashenko, D.**, Kravchenia, V., & Tsvyk, O. (2025). Assessing the impacts of landslides on hydrological structure and vegetation in the Swiss municipality of Blatten. 5th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2025. 23. Mokanu, S., & **Liashenko, D.** (2022). Geoinformational analysis of Oleshky Sands desertification threats. 16th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2022. 24. Mokanu, S., Tsiupa, I., & **Liashenko,** D. (2023). Mapping of morphometric indicators and analysis of relief by GIS on the example of a ravine in Holosiivskyi district of Kyiv. 4th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2023. 25. Orlenko, T., Tytarenko, O., Tsvyk, O., & **Liashenko, D.** (2024). Remote monitoring of the activation of hazardous natural processes under the war in Ukraine. International Conference of Young Professionals "GeoTerrace-2024". 26. Rasporenko, T., & **Liashenko, D.** (2023). Assessing the impact of landslide-prone areas on property valuation in Kyiv: A case study. 4th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2023. 27. Titarenko, O., Sedlerova, O., & **Liashenko, D.** (2025). Geodynamic Monitoring of the Lopushne-Rososh Main Gas Pipeline Using Remote Sensing Data. 5th EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities, Landslide 2025. 28. Tomchenko, O., **Liashenko, D.**, Yakovenko, M., & Stakhiv, I. (2025). Geoinformation wildfire mapping of Ukraine: Analyzing FIRMS data for effective fire management. Geodesy and Cartography (Vilnius), 51(3), 178–187. 29. Trofymenko, P., Bezhodkova, Yu., **Liashenko, D.**, Tustanovska, L., Myslyva, T., & Nadtochiy, P. (2023). Remote identification and monitoring of lands structure. 17th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2023. 30. Trofymenko, P., **Liashenko, D.**, Sydorchuk, I., & Trofimenko, N. (2022). Creation of a GIS database for expert monetary valuation of residential buildings in the Novohrad-Volynskyi district of Zhytomyr region. 16th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment, Monitoring 2022. 31. Tsibenko, B., Malik, T., **Liashenko, D.**, Tsiupa, I., Kravchenia, V., & Tsvyk, O. (2025). Monitoring of hydrocarbon pollution in the Black Sea and the Sea of Azov using remote sensing methods. 18th International Scientific Conference "Monitoring of Geological Processes and Ecological Condition of the Environment", Monitoring 2025. 32. Tustanovska, L., **Liashenko, D.,** Trofymenko, P., Tytarenko, O., & Marhes, S. (2025). Geoecological Monitoring of Hazardous Erosional-Denudational Zones in the Urban Environment of Kyiv. International Conference of Young Professionals "GeoTerrace-2025". 33. Yakovenko, M., Tomchenko, O., Stakhiv, I., & **Liashenko, D.** (2023). Assessment of the quality loss, damage of forestry lands affected by military operations in 2021-2023. International Conference of Young Professionals "GeoTerrace 2023". 34. Zobniv, I., **Liashenko, D.**, & Koper, N. (2022). Geoinformation modelling of recreational resources of National Nature Park "Hutsulshchyna". 2022 International Conference of Young Professionals, GeoTerrace 2022. 35. Lyashenko D., Malik T., Gordeyev A. Geodesy. Part 1: Study Guide – (electronic edition in two parts), edited by V. I. Zatserkovnyi. Kyiv: Taras Shevchenko National University of Kyiv, 2025. – 212 p. http://www.geol.univ.kiev.ua/lib/Geodesy_1_2025.pdf 36. Zatserkovnyi, V. I., & Lyashenko, D. O. (2026). Geoinformation Systems in Territorial Management: Monograph. Published by the Educational and Scientific Institute "Institute of Geology," Taras Shevchenko National University of Kyiv. http://www.geol.univ.kiev.ua/lib/gisut_2026.pdf

	37. Lyashenko D. (2026). Municipal Geoinformation Systems. Study Guide. Edited by V. Zatserkovnyi. Kyiv: Educational and Scientific Institute "Institute of Geology," Taras Shevchenko National University of Kyiv. http://www.geol.univ.kiev.ua/lib/mgis_2026.pdf
Projects	2023–2026: Participation in the international interdisciplinary lecture series "Urban Resilience: Concepts and Challenges for Sustainable Planning Strategies" as a guest lecturer. The program was implemented by a consortium of European universities led by the Karlsruhe Institute of Technology (Germany). Delivered original lectures focused on environmental topics: "Understanding Urban Resilience in Environmental and Social Aspects" and "Environmental Management and Sustainability." 2009–2013: State-funded research project "Cartographic Modeling of Conditions for the Emergence of Emergency Situations in Ukraine" (State Registration No. 0109U006425; duration: 2009–2013). The author provided the rationale for maps detailing Ukraine's international cooperation in the field of emergency prevention and disaster response. 2007–2009: State-funded research project "Geoinformation Mapping of Spatial Objects, Phenomena, and Processes in Ukraine" (State Registration No. 0107U000866; duration: 2007–2009). The author developed methodological approaches for classifying European countries based on the dynamics of migration processes. 2002–2007: State-commissioned scientific and technical project within priority areas of science and technology development—"National Atlas of Ukraine" (duration: 2002–2007). The author contributed to the development of the concept for the thematic section "General Characteristics of the State" within the National Atlas of Ukraine. 2002–2007: State-commissioned project for scientific and technical products within priority areas of science and technology development — "National Atlas of Ukraine" (duration: 2002–2007; the author participated in developing the concept for the thematic section "General Characteristics of the State" within the National Atlas of Ukraine); 2001–2006: State-funded research project — "National Atlas of Ukraine: Development and Compilation of the Atlas's Master Original" (State Registration No. 0101U005060; duration: 2001–2006; the author developed the methodology for compiling a series of maps on international relations for the National Atlas of Ukraine); 1999–2003: State-funded research project — "National Atlas of Ukraine: Structure and Content" (State Registration No. 0199U000475; duration: 1999–2003; the author developed the content for the map series "Ukraine in Europe" within the National Atlas of Ukraine).
Awards and Honors	Certificate of Honor from the Presidium of the National Academy of Sciences of Ukraine (2008)
Membership in Organizations	Ukrainian Geographical Society
Links	https://www.behance.net/uageo https://substack.com/@uageo https://www.youtube.com/@DmytroLiashenko
Citations	https://www.scopus.com/authid/detail.uri?authorId=57224881043 https://www.webofscience.com/wos/author/record/G-9756-2011 https://www.researchgate.net/profile/Dmytro-Liashenko https://orcid.org/0000-0001-5588-0322
Certificates	https://www.linkedin.com/in/liashenko-dmytro-5472237b/details/certifications/