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| Name | Yuliia Litvinova |  |
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PROFESSIONAL AND ACADEMIC POSITIONS:

2018 to current Ass. Prof of Department of Software Engineering and Management Intelligent Technologies (before 2022 – Department of Software Engineering and Management Information Technologies), Educational and Scientific Institute of Computer Science and Information Technologies (before 2022 – Faculty of Computer Science and Software Engineering), National Technical University "Kharkiv Polytechnic Institute";

2017-2018 Senior lecturer of the Department of Systems Analysis and Information-Analytical Technologies, National Technical University "Kharkiv Polytechnic Institute"

03.2017-09.2017 Leading Engineer of the Department of Mathematical Modeling and Optimal Design A. Pidhorneyi Institute of Mechanical Engineering Problems of the National Academy of Sciences of Ukraine

2006 – 2014 Assistant Professor of the Department of Economic Analysis and Accounting of the economic faculty National Technical University "Kharkiv Polytechnic Institute

2000 – 2006 Software engineer of the computer center of the Economic faculty, National Technical University "Kharkiv Polytechnic Institute

EDUCATION:

Ph.D. (mathematical modeling) (June, 2017) A. Pidhorneyi Institute of Mechanical Engineering Problems of the National Academy of Sciences of Ukraine, Kharkiv, Ukraine
Specialization: mathematical modeling and computational methods

Specialist Degree (Economics, 6 years) (June, 2006) National Technical University "Kharkiv Polytechnic Institute, Kharkiv, Ukraine
Concentrations: Economist manager

Specialist Degree (Specialized computer systems, 5 years) (February, 2000) Kharkiv State Polytechnic University, Kharkiv, Ukraine
Concentrations: Systems analyst engineer

COURSES TAUGHT

Extensive teaching at all university levels: Bachelor/Master:

- - Innovation and entrepreneurship (Master's degree), (in English and Ukrainian),
- Fundamentals of web development (Bachelor), (in English and Ukrainian),
- Scientific and practical workshop "Software Engineering" (Bachelor), (in English and Ukrainian),
- - Software of intelligent systems (Master's degree), (in English and Ukrainian),
- - Innovative Entrepreneurship and Management of Startups (Master's) in English and Ukrainian).

FIELDS OF RESEARCH INTEREST:

- Strategic Management,
- Risk Management,
- E-marketing;
- Web development,
- 3D-printing,
- 3D-modeling.

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 30 publications, 3 collective monographs, 1 textbooks, stamped by the university. (h-index = 3 in Google Scholar - <https://scholar.google.com.ua/citations?user=8cVqocUAAAAJ&hl=uk>; ORCID ID is <https://orcid.org/0000-0001-6680-662X>)
- guarantor of the EDUCATIONAL AND SCIENTIFIC PROGRAM " software engineering", first (Bachelor's) level.

PROFESSIONAL MEMBERSHIPS:

- Full member of the public organization "Ukrainian Scientific and Educational IT Society", Certificate №19-00061FS.

RELATED PUBLICATIONS

Books

Automation of Production Management Processes// Production Organization: Textbook, A.I. Yakovlev, S.P. Sudarkina, N.I. Larka et al. -H.: NTU "HPI", 2016. - 412c.

Papers

- Shmatko Oleksandr1, Litvinova Juliya, Shokin Maxim/ New blockchain-based supply chain management system model // Proceedings of the 1st International Scientific and Practical Conference Modern knowledge: research and discoveries Vancouver, Canada May 19-20, 2023. P.470-479
- Kulbaka B.R., Litvinova Y.S. Design and development of software components for a web-based system for creating an optimal route.// Інформаційні технології: наука, техніка, технологія, освіта, здоров'я: тези доповідей XXXI міжнародної науково-практичної конференції MicroCAD-2023, 17–20 травня 2023 р. / за ред. проф. Сокола Є.І. — Харків : НТУ «ХПІ». —С.1023.
- Shmatko O. Fedorchenko V. Litvinova Y. Zhurakovskiy D// Research information system of image recognition/ Proceedings of the 4th International Scientific and Practical Conference -Current issues and prospects for the development of scientific research, Orléans, France,2021. P. 514-528

- Litvinova Y.S. Research of methods of quantitative risk analysis in assessing the effectiveness of an it startup// Proceedings of the 10th International Scientific and Practical Conference- Scientific research in XXI century, Ottawa, Canada, 2021, P.57-64
- .S. Litvinova, A.A. Sumskii. Quantitative risk analysis of IT-startups. // Journal of NTU KhPI, Ser.: System Analysis, Management and Information Technology: Collection of papers. Kharkiv: NTU "KHPI", 2020. №1 (3). C. 54-57
- O. Kotulska, T. Paramonova, D. Senetska, Ju. Litvinova. Energy losses in the rotor blades at transient and low-flow rate modes // Bulletin of the National Technical University "KhPI". Series: Hydraulic machines and hydraulic units No.1 (2020). P. 63-69
- Litvinova Y. S., Maksimenko K. V., Sheiko T. I. Analytical identification of three-dimensional geometric objects on information about the shape of their sections // Problems of Mechanical Engineering. 2017. T. 20, № 1. C. 45-51
- Maksimenko-K.V., Sheiko T.I., Khazhmuradov M.A., Litvinova Y.S. Mathematical modeling of heat transfer in fluid flow for fuel rods with polyzonal shell fins // Problems of Mechanical Engineering. 2017. T. 20, № 4. C. 58-63. A.V. Shmatko, Y.S. Litvinova. Analytical identification of engineering objects for the implementation of the technology of 3D //4 th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya. 2019. C. 917-924
- Olexander Shmatko, Yulia Litvinova Blockchain as the basis of the digital economy. World experience of cryptocurrency financial regulation. //Sustainable development under the conditions of European integration. Collective monograph / Part II. Ljubljana, Slovenia, 2019. P. 415-426.
- Litvinova Y.S.,Huzenko V.I., Shmatko A.V. Research of neural network technologies in a dialogue system - chatbot. / XV international scientific and practical conference Conduct of modern science - 2019, Sheffield, 2019. P.34-38
- A.V.Shmatko, Y.S. Litvinova. Analytical identification of engineering objects for the implementation of the technology of 3D //4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya. 2019. C. 917-924
- Sheiko T.I., Maksimenko-Sheiko K.V., Morozova A.I., Litvinova Y.S. Mathematical and computer modeling of pump impellers for implementation on 3D-printer // Actual problems of applied mechanics and structural integrity: Abstracts of VII International Scientific and Technical Conference, Zaporizhia: Zaporizhia National University, 2019. C. 55-67
- Shmatko A. V. Romashchenko N. V., Litvinova I.S. The measure of the information systems security risk assessment technique based on a fuzzy-multiple approach // Computer Science, Information Technology and Management Systems: Proc. International Scientific and Technical Conference of Young Scientists, Aspirants and Students, Ivano-Frankivsk: Precarpathian National University named after V. Stefanik. Stefanik, 2018. C. 90-91.
- Maksimenko-K.V., Sheiko T.I., Khazhmuradov M.A., Litvinova Y.S. Mathematical Modelling of Heat Transfer in Fluid Flow for Fuel Elements with Polyzonal Finned Shell // Improvement of Power Units by Methods of Mathematical and Physical Modelling: Proc. of XVI International Scientific and Technical Conference, Kharkov: Inst. of Mechanical Engineering Problems. A. N. Podgorny Institute of Mechanical Engineering of the National Academy of Sciences of Ukraine, 2017. C.42-43.