

NATALIIA OSYPOVA



CV

Chair of Computer Science and Economic Cybernetics
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EDUCATION

April, 2011	Associate Professor
April, 2009	PhD (Technical Sciences) <i>Specialty:</i> 01.05.02 – Mathematical modelling and calculation methods <i>Theme:</i> The Methods of Barycentric Averaging in the Problems of Recovery Harmonic and Biharmonic Functions
January, 2001 – December, 2004	Post-graduate student, Kherson National Technical University
September, 1997 - June, 1998	Master Degree (mathematics), Kherson State University (with high honor)

RESEARCH FIELD

Computer Science, Mathematical Modeling, Distance Learning, STEM-education

PUBLICATIONS

<https://orcid.org/0000-0002-9929-5974>

<https://www.scopus.com/authid/detail.uri?authorId=56435818100>

<https://publons.com/researcher/3590853/nataliia-osypova/publications/>

<https://scholar.google.com/citations?user=A2QWxNsAAAAJ&hl=uk>

<https://www.semanticscholar.org/author/Nataliya-Osipova/144891591>

Scopus papers

1. **Nataliia Osipova**, Hennadiy Kravtsov, Olga Gnedkova, Tetiana Lishchuk, Kateryna Davidenko Technologies of Virtual and Augmented Reality for High Education and Secondary School // Proc. 15th Int. Conf. ICTERI 2019. Volume II: Workshops. Kherson, Ukraine, June 12-15, 2019, CEUR-WS.org/Vol-2393, ISSN 1613-0073, P. 121-131, online http://icteri.org/icteri-2019/pv2/paper_258.pdf
2. Goncharenko, T., Kushnir, N., Valko, N., **Osipova, N.** Activity Plan Template for Supporting Study Science with Robotics and Programming / T. L. Goncharenko, N. Kushnir, N. Valko, N. Osipova // ICTERI 2019 ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer Proceedings of the 15th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer. Volume II : Workshops Kherson, Ukraine, June 12-15, 2019. - P. 132-143. - http://ceur-ws.org/Vol-2393/paper_257.pdf
3. Nataliya Kushnir, **Nataliia Osipova**, Nataliya Valko, Olena Litvinenko The Experience of the Master Classes as a Means of Formation of Readiness of Teachers to Implement Innovation, Proceedings of the 12th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer, Kyiv, Ukraine, June 21-24, 2016, 200-214 pp.

4. **Nataliia Osipova**, Olga Gnedkova, Denis Ushakov Mobile Learning Technologies for Learning English Proceedings of the 12th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer, Kyiv, Ukraine, June 21-24, 2016, 872-679 pp.
5. Astionenko I. O ., Litvinenko O .I., **Osipova N.V.**, Tuluchenko G.Ya., Khomchenko A.N. Cognitive-graphic method for constructing of hierarchical forms of basic functions of biquadratic finite element, Application Of Mathematics In Technical And Natural Sciences: 8th International Conference For Promoting The Application Of Mathematics In Technical And Natural Sciences - AMITANS'16 (Conference date: 22–27 June 2016), Albena, Bulgaria, ISBN: 978-0-7354-1431-0, Editor: Michail D. Todorov, Volume number: 1773, Published: 13 октября 2016, Source: AIP Conf. Proc. 1773, 040002 (2016); <http://dx.doi.org/10.1063/1.4964965>
6. Eugenia Spivakovska, **Nataliia Osipova**, Maksim Vinnik, Yulia Tarasich Information Competence of University Students in Ukraine: Development Status and Prospects, Information and Communication Technologies in Education, Research, and Industrial Applications Communications in Computer and Information Science Volume 469, 2014, pp 194-216.
7. Nataliya Kushnir, Nataliia Valko, **Nataliia Osipova**, Tatiana Bazanova Experience of Foundation STEM-School // Proceedings of the 14th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer. Volume II: Workshops Kyiv, Ukraine, May 14-17, 2018, CEUR-WS.org/Vol-2104, ISSN 1613-0073, P. 431-446, online http://ceur-ws.org/Vol-2104/paper_241.pdf
8. **Nataliya Osipova**, Oleksandr Kyriukhin Advantages of Programmable Compile Time with Metaprogramming: the Case of ASN.1 and Perl 6 // In: Ermolayev, V., Suárez-Figueroa, M. C., Yakovyna, V., Kharchenko, V., Kobets, V., Kravtsov, H., Peschanenko, V., Prytula, Ya., Nikitchenko, M., and Spivakovsky, A. (Eds.): ICT in Education, Research and Industrial Applications. Proc. 15th Int. Conf. ICTERI 2019. Volume I: Main Conference. Kherson, Ukraine, June 12-15, 2019, CEUR-WS.org/Vol- 2387, ISSN 1613-0073, P. 127-142, online <http://ceur-ws.org/Vol-2387/20190111.pdf>
9. **Osipova, N.**, Kobets, V., Bazanova, T. Design, development and use of decision support systems in the study of economic disciplines in higher education // 2017 CEUR Workshop Proceedings
10. Tatiana Goncharenko, Nataliya Kushnir, Nataliia Valko, **Nataliya Osipova** Activity Plan Template for Supporting Study Science with Robotics and Programming // Ermolayev, V., Mallet, F., Yakovyna, V., Kharchenko, V., Kobets, V., Kornilowicz, A., Kravtsov, H., Nikitchenko, M., Semerikov, S., Spivakovsky, A.: Proc. 15th Int. Conf. on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer (ICTERI2019). Volume II: Workshops, Kherson, Ukraine, June 12-15 (2019). CEUR-WS .org, Vol. 2393, 132-143, online, <http://ceur-ws.org/Vol-2393/>

PROFESSIONAL ACTIVITY

2009 – present	<p>Associate Professor of Computer Science and Economic Cybernetics Chair, Kherson State University (KSU)</p> <p>Member of the Specialized Academic Council K 67.051.02</p> <p>Member of the Editorial Board Scientific Publication «Information Technologies in Education»</p> <p>Associate Professor of Municipal Higher Educational Institution "Kherson Academy of Continuing Education" of Kherson Regional Council</p> <p>Member of the jury of the second stage of the All-Ukrainian competition-defense of research works of students - members of the Small Academy of Sciences of Ukraine.</p> <p>Member of the jury of the second stage of the All-Ukrainian Student Programming Olympiads.</p>
2007 – 2009	Head of the Laboratory of Integrated Learning Environments of the

	IT Research Institute, KSU
2006 –2009	Senior lecturer at the Chair of Informatics, Kherson State University
1998 – 2006	Assistant of the Chair of Information Technologies, KSU Teacher of profile courses of the Academic Lyceum at KSU.
1997 – 1998	Teacher of Mathematics at the Secondary School № 4 in the City of Tsyurupynsk. Head of the Computer Science Club.

PEDAGOGICAL ACTIVITY

Programming, Object-Oriented Programming, Databases.

TRAINING, PROJECTS, SCHOLARSHIP

2019-2020	Member of Program Comity of International Workshop «IT in economic research» of conference ICTERI
2019	Advanced Training: Municipal Higher Educational Institution "Kherson Academy of Continuing Education" of Kherson Regional Council. "Certificate of Training" PC 02139794 / 000100-19 (registration number 100), December 26, 2019
2015-2019	Project ERASMUS+ 561592-EPP-1-2015-1-FR-EPPKA2-CBHE-JP-Establishing Modern Master-level Studies in Information Systems (2016-2018)
2017	Creation STEM-school in Kherson State University. Creation Laboratory of Robotics in Kherson State University.
2014	Advanced training in Kherson National Technical University, Department of Higher Mathematics and Mathematical Modeling, internship period - 27.05.2014 - 27.06.2014, Certificate №63 dated 27.06.2014
2010	Development of KSU Distance Learning System KSUONLINE
2009	Project of the Ministry of Education and Science of Ukraine Developing Bank of Electronic Documents for Distance Learning for Higher Pedagogical Education (0109u008603)
2006-2009	Tempus Project JEP-27237-2006 «Computing Curricula for Ukrainian Universities»
2006-2009	Tempus Project JEP_27247_2006 «ICT Based Learning and Personal Development Services for Students»
2008	Internships at KTH Royal Institute of Technology in Stockholm (Sweden)
2005-2008	Tempus Project TACIS IB JEP_26239_2005 «ECDL for Ukrainian Administrators»
2007	Internships at University of Nice-Sofia Antipolis (France)
2007	Project of the Ministry of Education and Science of Ukraine Developing ECDL Internet Portal for Distance Learning for Higher Educational Establishments (ECDL) (0109u006321)
2007	Project of the Ministry of Education and Science of Ukraine Developing an Integrated Learning Environment for the Basics of Algorithmization and Programming for Higher Education (0107u007650)
2004-2006	Tempus Project TACIS CD JEP_25215_2004 “Geographical informational systems in agricultural universities”
2006	Internships at universities Glasgow Caledonia University (Great Britain)