



**OSPANOVA
TLEUGAISHA
TOPANBAYEVNA**

Candidate of technical
Sciences, acting associate
Professor of "Information
systems"

Contact details: email:
Tleu2009@mail.ru
Mob .: 87774845071

Professional experience:

- 1) since 2011 acting associate
Professor of Department
"Information systems"
ENU.L.N. Gumilev
- 2) 2002-2011 senior lecturer of
the Department "Information
computing systems" of the
Karaganda economic
University Kazpotreboysuz
- 3) 1991-1998, lecturer of
"Applied mathematics" of
Karaganda state
University.E..Buketov
- 4) 1981-1991 engineer in
Special - design office
"Kvarts" Karaganda-Prizhorsk
city

Academic degree and title: candidate of technical Sciences, spec.
05.13.18 – Mathematical modelling, numerical methods and
complexes of programs **School of science:** candidate of the
Department of Applied Mathematics KarGU them.E.A.Buketov

Education: faculty of "Mechanics and applied mathematics",
specialty "Applied mathematics" KazGU them C.M.Kirov, 1981.

Sphere of scientific interests: Numerical methods, parallel
programming, information systems design, data analysis, artificial
intelligence and expert systems, mathematical and computer
modeling.

Research grants:

1. Executive in charge of the grant "Development of algorithm of
calculation of temperature field distribution for the continuous casting
and rolling of metal wire rod" 2014.
2. Subprogram "Development and research of models, methods and
algorithms for creation of intelligent and secure information
technology" of the scientific Program of basic research "Actual
problems of physics, mathematics, mechanics and Informatics" (code
F. 0508–7. 2009-2011).
3. The act of implementing the results of "Development and study of
numerical algorithms for the simulation of electromagnetic fields in a
homogeneous medium, and program implementation" (contract no
12/01.03.2006) in the Karaganda branch of JSC "Azimut energy
services".

Courses:

Mathematical and computer modeling, Automation of management
and accounting, Parallel algorithms, Socio-economic forecasting
methods, Cloud computing and etc

Publications (selected, in chronological order starting with most
recent)

1. Digital modeling of decision-making risks in natural and man-
caused critical situations, Journal of Theoretical and Applied
Information Technology 15th August 2022. Vol.100. No 15. p.4628-
4640.
2. Identification of factors that negatively affect the growth of
agricultural crops by methods of orthogonal transformations,
Eastern- European Journal of Enterprise Technologies, 3(2 (117), 39–
47. 2022-06-30.
3. Research and modeling of the process of sulfur production in the
claus reactor using the method of artificial neural networks, Journal
of Theoretical and Applied Information Technology 31st May 2021.
Vol.99. No 10. p.2333-2343.
4. Реализация обнаружения лиц с использованием машинного

<p>The Hirsch Index according to the Web of Science or Scopus information base: - 2</p> <p>Languages: Kazakh – native Russian - perfect English – IELTS (4.5) (certificate is available)</p>	<p>обучения, Международный научный журнал «Научные вести». - №3(32) 2021. -5-11 с.</p> <p>5. Бұлдыр жиын теориясымен жасалған модельдер негізінде компаниялардың өтем қабілетін бағалау, «Интернаука»: научный журнал – № 15(191). 4 часть. Москва, Изд. «Интернаука», 2021. - 88 стр.</p> <p>6. Применение искусственных нейронных сетей в химической промышленности, Информационные технологии и системы 2020 (ИТС 2020) = Information Technologies and Systems 2020 (ITS 2020): материалы международной научной конференции, Минск, 18 ноября 2020 г.</p> <p>7. 3D modeling of distribution of temperature field in the rolling mill, Journal of ecological engineering, Volume 18, Issue 6, Nov. 2017, pages 1–7 DOI: 10.12911/22998993/76895, SJR Polish.</p> <p>Professional development over the past 5 years: (starting with the latter, selective):</p> <ol style="list-style-type: none"> 1. CCNAv7: Introduction to Networks (CCNAv7: Introduction to Network technologies). 09/02/2023. Kazakh Academy of Infocommunications. Kazakhstan. 2. IELTS Test Report Form Number: 20KZ001426OSPT004A, 02.11.2020 3. Certificate of advanced training No. 782400036537 under the program "Building business processes of an intellectual enterprise", December 23, 2019 Peter the Great St. Petersburg Polytechnic University. 4. Certificate of advanced training course on the topic "Data science and analytics of large amounts of information", IT Laboratory of the Joint Institute for Nuclear Research, Dubna, 30.06.2017. 5. Certificate of Participation “Workshop on High Performance Computing”. Venue: Eurasian National University. Astana, 9.06.2017
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