KUDUBAYEVA SAULE ALZHANOVNA

Associate Professor of the Department of Artificial intelligence technology of the Information technologies faculty, L.N. Gumilyov National Eurasian University.
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Academic degree and title: candidate of technical sciences
Scientific school: Eurasian National University. L. Gumilyova
Winner of the title of the best teacher of the university

Research interests: Systems analysis, management and information processing. Pattern recognition. Computer vision. Speech technology. Hirsch index -2

Scientific grants: "Social innovative service" Surdoserver "for people with hearing impairment" Author of the site www.surdo.kz

Courses taught:
Akparatty korgaudy kyymdastyru. Korgalgan programmau adisteri. Esepteu kyrdeligi. Akparattyk kauipsizdik zhuyelerin ұyymdastyru. Вұldyr Васқаrи. Information and coding theory. Information systems design, Remote database design, Cloud computing, Database protection, Semantic text analysis, Expert systems, Big data analysis.
Author's courses: Algorithms and their complexity. Human-machine interaction. Statistical Methods in Natural Language Processing.

Professional experience:
 Sept.2017 currently L.N. Gumilyov Eurasian N .U., Faculty of information technologies, Department of Computer Science and Information Security.
2002– 08. 2017 Deputy Dean, Head of the Department of Informatics at Kostanay State University.
2000-2002 - Senior Lecturer, Russian-Kazakhstani Modern Humanitarian University.
1980-2000 teacher of mathematics and computer science, head of the department - colleges: Uritskiy agricultural, Kostanay building.
2015-2020 distant work of Acoustics - Laboratory ITMO, St. Petersburg in projects for the collection and processing base of Kazakh-sounding speech.
Work in the project CLASS -Erasmus +
Advanced training courses
-2016 (2015 November - July 2016). Management training for research universities - Nazarbayev University and The Chinese University of Hog Kong. INTAMT.
-2018 (June - July) Seminar on Computational Linguistics under the Erasmus + program in Spain
-2019 (June) Seminar on Computational Linguistics in the framework of the Erasmus + program in Poland
-2020 June advanced training on the course "Effective teaching methods in distance learning systems." - 72 hours. Eurasian National University, June.

Publications (over 100). Major in recent years (scopus):
1.Kudubayeva, S., Ryumin, D., Kalghanov, M.. Automated recognition system of statistic gestures via kinect. Application of Information and Communication Technologies, 2016 - Conference Proceedings.
2.Kudubayeva, S., Ryumin, D., Sndetbayeva, A., Krak, Y Computing of hands gestures' informative video features. -CSIT 2016, 2016, c. 55-58.
3.Kudubayeva, S., Ryumin, D., Kalghanov, M. The influence of the kazakh language semantic peculiarities on computer sign language, Web Based Computational Intelligence, 2016, c. 221-226
4.A bilingual Kazakh-Russian system for automatic speech recognition and synthesis. Khomitsevich, O., Mendelev, V., Kudubayeva, S. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2015, 9319, c. 25-33
5.S. Kudubayeva, B. Zhussupova, G. Aliyeva "Features of the representation of the Kazakh sign language with the use of gestural notation"(ICEMIS 2019), -, ISBN 978-1-4503-7212-1/19/06.
6.S. Kudubayeva, Amangeldy, A Sundetbayeva "The use of correlation analysis in the algorithm of dynamic gestures recognition in video sequence" (ICEMIS 2019), . - ACM Digital Library, ISBN 978-1-4503-7212-1/19/06/
Publications in journals recommended by KKSON:
1. Review of modern approaches to the development of sign language interpretation systems in domestic and foreign practice. - Bulletin of KazNRTU Almaty, 2019. **2.** Dictionaries of the Kazakh language as the basis of semantic analysis in the system of computer sign language translation. - Bulletin of NIA RK, No. 4 (78) - 2020. **3.** Kazakh ym tilindegi soz tirkesin tanudyk bailanyskan oblystardy belgileu zhane correlationsalyk adisteri. №5 2020 Bulletin of KazNRTU p. 172-177. **4.** Kazakh ym tilin tanu esebinin pun balsyna sholu.. KazҮTZU habarshysy No. 5- 2020 p. 177-183
5. Development of systems for determining geometric parameters when recognizing surfaces on the central and graphic processors. KazNTU Bulletin. pp 325-330**. 6.** The influence of the semantic features of the Kazakh language on computer sign language translation. Bulletin of the NIA RK No. 2 (60) 2016. pp. 51-55. **7.** Threshold processing of human hand images for gesture recognition. Bulletin. Kazakh NPU Abai, Almaty, No. 4 (56) 2016. p196-202. **8.** Search for unique points with the construction of descriptors in image matching tasks. "Bulletin of ENU named after L.N. Gumilyov ", Astana, №4 (113) 2016.p.396-402
9. Support vector method for recognition of gestural speech using the Kinect sensor. - "Bulletin of KazNU named after Al-Farabi", Almaty, №3 (91) 2016.p.86-96. **10.** The problem of face recognition using the Monte Carlo method .№4 -2020 Bulletin of KazNRTU p. 151-155.
11. Comparative analysis of the characteristics of existing systems of search and face recognition .№ 4 2020 Vestnik KazNRTU, p 155-160