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**Professional experience:**

2016 - to present - L.N.Gumilyov Eurasian National University (Associate Professor).

2014–2016 – "Turan-Astana" University (Associate Professor).

2009–2014 – Pavlodar State Pedagogical Institute (Professor).

2008–2009 – Semipalatinsk State Pedagogical Institute (Head of the Department of Science and International Relations).

2001–2008 – Semipalatinsk University named after M.O. Auezov (head of the department).

1998–2001 – Semipalatinsk State University named after Shakarim (senior lecturer, associate professor).

1991-1997 – Semipalatinsk ZooVeterinary Institute (senior teacher).

**Awards:** Diplomas of the Ministry of Education and Science of the Republic of Kazakhstan and the rector of the Pavlodar State Pedagogical Institute.

**Scientific degree and title, scientific school:**

Kazakh National University named after al-Farabi, physical faculty - diploma of higher education in the specialty "Physics" (1981).

Leningrad Physico-technical Institute named after AF Ioffe of the USSR Academy of Sciences - Diploma of candidate of physical and mathematical sciences on the specialty "01.04.07-Solid State Physics" (1989).

Candidate of physical and mathematical sciences on the specialty "01.04.07-Solid State Physics" (1989), associate professor in the specialty "Computer Science and Information Systems" (2002).

**Scientific interests:**

Information technology, circuit technology of computer systems, computer simulation.

**Scientific Grants:**

**Courses taught** (in Kazakh and Russian languages): Cyberphysical systems and fundamentals of digital technology, Electrical engineering and fundamentals of circuit engineering, Architecture of computer systems and computer networks.

**Publications (favorites):**

1. Tokhmetov A.T., Amirova A.S. Combined threat detection model in industrial Internet of Things networks. // Bulletin of KazNPU im. Abaya. Series "Physical and mathematical sciences", 2022, №1(77), Pp.70-77.

2. Tokhmetov A., Amirova A., Zhanasbayeva A. Methods for substantiating decisions on the choice of the composition of telecommunications equipment. // Journal of Theoretical and Applied Information Technology, 2021, 99(22), P. 5582-5591.

3. Tokhmetov A., Tussupov A., Listopad N. Semiconductor Optical Amplifiers for Reach Extension of WDM/TDM Gigabit Passive Optical Network. // 2021 IEEE International Conference on Smart Information Systems and Technologies (SIST), 2021, pp. 1-6, doi: 10.1109/SIST50301.2021.9465893.

4. Tokhmetov A., Tussupov A., Listopad N. Optical Amplifiers for Reach Extension OF Passive Optical Network for rural settlements // Journal of Theoretical and Applied Information Technology, 2021, 99(10), c. 2301-2312.

5. Tokhmetov A.T., Tanchenko L.A. Development of an informational mobile application for university students. // Bulletin of the State University named after Shakarima of the city of Semey, 2020, No.3(91), pp.58-62.