CURRICULUM VITAE

PERSONAL INFORMATION

First name: **Doston** Last name: **Khasanov** Middle name: **Turaevich**

Nationality: Uzbek Date of Birth: September 16, 1992y.

Marital Status: Married Sex: Male Age: 29

Mailing Address: Flat 6/5, massive 2, Yunusabad district, Tashkent, Uzbekistan

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Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57215926452

Google Scholar Link: https://scholar.google.com/citations?user=5ULsGzMAAAAJ&hl=ru

ACADEMIC INFORMATION

2020 – 2022	PhD student, Tashkent University of Information Technologies named after Muhammad al-Khwarizmi
2016 – 2018	Master`s degree, Tashkent University of Information Technologies, Major: Telecommunication Engineer
2012 – 2016	Bachelor`s degree, Tashkent University of Information Technologies, Major: Telecommunication Engineer

CAREER EXPERIENCE

2022 – pres.	Head of Department of “Data communication networks and systems”, Tashkent University of Information Technologies named after Muhammad al-Khwarizmi
2019 – 2022	Associate Professor of “Data communication networks and systems” department, Tashkent University of Information Technologies named after Muhammad al-Khwarizmi
2019 – 2019	Assistant lecturer of “Hardware and Software of Management Systems in Telecommunication” department, Tashkent University of Information Technologies named after Muhammad al-Khwarizmi
2018 - 2020	Tashkent University of Information Technologies named after Muhammad al-Khwarizmi

PROFESSIONAL TRAINING

May 28 to June 1, 2022	Certificate for successfully completed the training course on “Smart building in seismically active areas, Sustainable building and Urban design” by university of L’Aquila, L’Aquila, Italy.
October 10-17, 2020	Certificate for successfully completed the training course on “Planning and Developing Courses in Distance Learning Environments” by ERASMUS+ project of HiEdTech, Tashkent, Uzbekistan.
May 30 to June 3, 2022	Certificate for successfully completed the training course on “Mechatronics and Robotics” by Vilnius Gediminas Technical University (VILNIUS TECH), Vilnius, Lithuania.

PROFESSIONAL MEETINGS

2017 September	Participation Certificate, Modernization of the Curricula in sphere of smart building engineering – Green Building (GREB) 574049-EPP-1-2016-1-IT-EPPKA2-CBHE-JP, Tashkent University of Information Technologies

	named after Muhammad al-Khwarizmi, Tashkent, Uzbekistan.
2018 May-June	Participation Certificate, the meeting is on the following topics: - Smart Building in seismically active areas, Sustainable building and Urban design: - Smart building materials and technologies: - Smart metering, Urban data (Big Data), Smart city technologies: - Advanced Energy conversion systems, Indoor air quality technologies, University of L'Aquila, L'Aquila, Italy.

PROJECT EXPERIENCE

Project member **(ongoing)**	UZB-IND-2021-94 "Energy Efficient Communication and Data Flow in Smart City using CRN based IoT Framework" Uzbek-India International joint research project (2021-2023 y).
Project member **(ongoing)**	AKT-A-2021-3 "Creation and development of a software and prototype of a simulation stand for the study of power system output parameters based on renewable energy sources" Research Project (2021-2023 y).
Project member **(ongoing)**	European Association for Cooperation, Erasmus + 609564-EPP-1-2019-1-EL-EPPKA2-CBHE-JP "MechaUZ: Modernization of Mechatronics and Robotics for Bachelor degree in Uzbekistan through Innovative Ideas and Digital Technology" (2020-2022 y).
Project member **(ongoing)**	№7/18 "Improving energy efficiency and improving the energy performance of communication facilities using hybrid energy sources" Research Project (2018-2019 y).
Project member **(ongoing)**	BV-A3-027 "Development and introduction of power supply control system for the building with independent energy sources" Research Project (2017-2018).
Project member **(ongoing)**	European Association for Cooperation, Erasmus + 574049-EPP-1-2016-1-IT-EPPKA2 - CBHE - JP "Modernization of the Curricula in sphere of smart building engineering - Green Building (GREB)" (2016-2019 y).

TEACHING EXPERIENCE

BSc subjects	Embedded systems, Microcontroller and Microprocessors, Computer networks, Data communication networks and systems, Network protocols, Modeling and Simulation of Data Communication Systems.
MSc subjects	Network management

ADDITIONAL INFORMATION

Areas of Interest	Smart grid, IoT, Wireless Sensor Network, Embedded systems, data communication systems, Programming (C++)
Hobbies	Sports (football), Traveling
Language Skills	Uzbek (native), Russian (fluent), English (Intermediate)
Health	Excellent

ARTISTIC SKILLS

PUBLICATIONS

His published work consisted of more 40 articles Since 2019. Below is presented some of the publications:

1	Khujamatov Kh.E. **Khasanov D.T.,** Reypnazarov E.N. Modeling and Research of Automatic Sun Tracking System on the bases of IoT and Arduino UNO // International Conference on Information Science and Communications Technologies ICISCT 2019,

Tashkent, Uzbekistan - 2019. **(Scopus)** DOI: 10.1109/ICISCT47635.2019.9011913

2 Khujamatov Kh.E. **Khasanov D.T.,** Reypnazarov E.N. Research and Modelling Adaptive Management of Hybrid Power Supply Systems for Object Telecommunications based on IoT // International Conference on Information Science and Communications Technologies ICISCT 2019, Tashkent, Uzbekistan - 2019. **(Scopus)** DOI: 10.1109/ICISCT47635.2019.9011831

3 Khalim Khujamatov, Khaleel Ahmad, Ernazar Reypnazarov, **Doston Khasanov.** Markov Chain Based Modeling Bandwith States of the Wireless Sensor Networks of Monitoring System//International Journal of Advanced Science and Technology, Vol. 29, No.4, (2020), pp. 4889 – 4903. **(Scopus)** http://sersc.org/journals/index.php/IJAST/article/view/24920

4 I.Kh.Siddikov., Kh.E.Khujamatov., **D.T.Khasanov.,** E.R.Reypnazarov. Modeling of monitoring systems of solar power stations for telecommunication facilities based on wireless nets// “Chemical technology. Control and management” International scientific and technical journal, 2020, №3 (93) pp.20-28. https://uzjournals.edu.uz/ijctcm/vol2020/iss3/4

5 Halim Khujamatov, Reypnazarov Ernazar, **Hasanov Doston**, Nurullaev Elaman, Sobirov Shahzod. Evaluation of characteristics of wireless sensor networks with analytical modeling // Bulletin of TUIT: Management and Communication Technologies Bulletin of TUIT: Management and Communication Technologies, Volume 3, December 2020. https://uzjournals.edu.uz/tuitmct/vol4/iss1/4

6 Kh. Khujamatov, **D. Khasanov,** E. Reypnazarov, N. Akhmedov. Networking and Computing in Internet of Things and Cyber-Physical Systems // The 14th IEEE International Conference Application of Information and Communication Technologies, 07-09 October 2020, Tashkent, Uzbekistan **(Scopus)**. **DOI:** 10.1109/AICT50176.2020.9368793

7 Halim Khujamatov, Ernazar Reypnazarov, Nurshod Akhmedov, **Doston Khasanov**. Blockchain for 5G Healthcare architecture // 2020 International Conference on Information Science and Communications Technologies (ICISCT), Tashkent, Uzbekistan – 2020. **(Scopus)**. **DOI:** 10.1109/ICISCT50599.2020.9351398

8 Halim Khujamatov, Ernazar Reypnazarov, Nurshod Akhmedov, **Doston Khasanov**. IoT based Centralized Double Stage Education // 2020 International Conference on Information Science and Communications Technologies (ICISCT), Tashkent, Uzbekistan – 2020. **(Scopus) DOI:** 10.1109/ICISCT50599.2020.9351410

9 Khujamatov, **K., Khasanov,** D., Reypnazarov, E., Axmedov, N. Industry Digitalization Consepts with 5G-based IoT // 2020 International Conference on Information Science and Communications Technologies (ICISCT), Tashkent, Uzbekistan – 2020. **(Scopus) DOI:** 10.1109/ICISCT50599.2020.9351468

10 Siddikov, I., Khujamatov, K., **Khasanov, D.**, Reypnazarov, E. IoT and Intelligent Wireless Sensor Network for Remote Monitoring Systems of Solar Power Stations. Advances in Intelligent Systems and Computing, 2021, 1323 AISC, pp. 186–195. **(Scopus)** https://doi.org/10.1007/978-3-030-68004-6_24

11 Khalim Khujamatov, **Doston Khasanov,** Ernazar Reypnazarov, Nurshod Akhmedov. IoT, IIoT, and Cyber-Physical Systems Integration // Emergence of Cyber Physical System and IoT in Smart Automation and Robotics **(Springer book chapter)**. https://doi.org/10.1007/978-3-030-66222-6_3

12 Khalimjon Khujamatov, **Doston Khasanov,** Ernazar Reypnazarov, Nurshod Akhmedov. Existing Technologies and Solutions in 5G-Enabled IoT for Industrial Automation // Blockchain for 5G-Enabled IoT Robotics **(Springer book chapter)**. https://doi.org/10.1007/978-3-030-67490-8_8

13 **Khasanov Doston Turayevich**, Khujamatov Khalimjon Ergashevich, Fayzullaev Bayram Artikbayevich, Reypnazarov Ernazar Nurjamiyevich. WSN-BASED RESEARCH THE MONITORING SYSTEMS FOR THE SOLAR POWER STATIONS OF

TELECOMMUNICATION OBJECTS // IIUM Engineering Journal, Vol. 22, No. 2, 2021. **(Scopus)**, https://doi.org/10.31436/iiumej.v22i2.1464

14 Siddikov, I., Khujamatov, K., Reypnazarov, E., **Khasanov, D.** CRN and 5G based IoT: Applications, Challenges and Opportunities. International Conference on Information Science and Communications Technologies: Applications, Trends and Opportunities, ICISCT 2021, 2021. **(Scopus)**

15 Siddikov, I., **Khasanov, D.**, Khujamatov, H., Reypnazarov, E. Communication Architecture of Solar Energy Monitoring Systems for Telecommunication Objects. International Conference on Information Science and Communications Technologies: Applications, Trends and Opportunities, ICISCT 2021, 2021. **(Scopus)**

16 Khujamatov, H., Siddikov, I., Reypnazarov, E., Khasanov, D. Research of Probability-Time Characteristics of the Wireless Sensor Networks for Remote Monitoring Systems. International Conference on Information Science and Communications Technologies: Applications, Trends and Opportunities, ICISCT 2021, 2021. **(Scopus)**

17 Khujamatov, K., Akhmedov, N., Reypnazarov, E., **Khasanov, D.** Traditional vs. the blockchain-based architecture of 5G healthcare. Blockchain for 5G Healthcare Applications: Security and privacy solutions, 2022, –pp. 131–167 **(Springer book chapter)**.

18 Khujamatov, K., Akhmedov, N., Reypnazarov, E., **Khasanov, D.** Device-to-device and millimeter waves communication for 5G healthcare informatics. Blockchain Applications for Healthcare Informatics: beyond 5G. 2022, pp. 181–211 **(Springer book chapter)**.

PATENTS AND CERTIFICATES

1 Azimov R.K., Siddikov I.Kh., Khujamatov Kh.E., Sattarov Kh.A., **Khasanov D.T.** Current to voltage converter. Invention Patent of the Republic of Uzbekistan. No. IAP 06646, 12.11.2021. Official Bulletin No. 1, 2021.