

CURRICULUM VITAE

Associate Professor, Kurbonov Elyorjon Shokirovich

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EDUCATION (Tahsil olganligi)

Degree (daraja)	Institution (ta'lim yoki ilmiy muassasa)	Date (sana)
M.Sc. (Degree of Higher education)	National university of Uzbekistan Thesis title: <i>"Spectral study of stability of different hyperbolic systems"</i>	2010-2012
B.Sc.	Karshi State University, Uzbekistan Department of Applied mathematics	2005 – 2009

ACADEMIC AND PROFESSIONAL EXPERIENCES (pedagogik va kasbiy faoliyat)

Vice Dean, Faculty of Management, TUACE, Uzbekistan	2023 – Present
Vice Dean, Faculty of Construction Management, TUACE, Uzbekistan	20.11.2018 – 2023
Assoc. Professor, Information Technology, TUACE, Uzbekistan	2022 – Present
Senior Lecturer Department of Information Technology, TUACE, Uzbekistan	2014 – 2021
Network programmer of the Center for Information Technology, TIACE	2012 – 2014

ADMINISTRATIVE EXPERIENCES (rahbarlik lavozimlari)

- Vice Dean, Faculty of Management, TUACE	2023 – Present
- Vice Dean, Faculty of Construction Management, TUACE	2018 – 2023

RESEARCH AREAS (ilmiy izlanish sohalari)

Mathematical modeling, numerical methods, programs, computational mathematics, information security

PUBLICATIONS (chop ettirgan ilmiy, uslubiy ishlari)

A. Peer-Reviewed Journal Articles (monitored by Scopus)

(Scopus bazasiga kiruvchi jurnallardagi maqolalari)

B. Peer-Reviewed Conference Articles (monitored by Scopus)

(Scopus bazasiga kiruvchi chuqur tahrirlangan konferensiya tezislarini)

B1. Elyorjon Kurbonov and other (2023). Derive the finite difference scheme for the numerical solution of the first-order diffusion equation IBVP using the Crank-Nicolson method. *E3S Web of Conferences, Scopus ASCC*: <https://doi.org/10.1051/e3sconf/202340203029>

C. PEER-REVIEWED OTHER INTERNATIONAL JOURNAL ARTICLES

(Chuqur tahrirlanadigan boshqa xalqaro jurnallardagi maqolalari)

C1. Davletov I.X., Kurbonov E.Sh., Rakhimov N.E., Jo'raev Sh.M (2021) Model of information system of means of control, directed on repair of multi-apartment houses» // *Bulletin of Science and Practice Scientific Journal* – Russia, Nizhnevartovsk, Number 6. Pages 329-335, <https://doi.org/10.33619/2414-2948/67>;

C2. I.H. Davletov, E.S. Kurbanov, N.E. Rakhimov, S.M.U. Juraev, U.A. Oltiyev (2022), Modern maintenance model for multi-storey buildings *Theoretical & Applied Science* 9, 142-144 <https://dx.doi.org/10.15863/TAS.2022.09.113.27>

D. PEER REVIEWED NATIONAL JOURNAL ARTICLES

(Chuqur tahrirlanadigan respublika jurnallardagi maqolalari)

D1. Kurbanov E.Sh., Usmonov J.T. (2019) Probabilistic model of the railway transport system// *Information of Tashkent State Institute of Railway Engineers Tashkent Institute of Railway Engineers. Scientific-practical journal.* - Tashkent, 1 - son. Pages 74-76;

D2. Kurbanov E.Sh., Saidboev B.J. (2019) Important components of KSA and PRGA encryption algorithm RC4 // *Bulletin of the Military Technical Institute of the National Guard of the Republic of Uzbekistan. Scientific-practical journal.* - Tashkent, 2019 1 - son. Pages 183-186;

D3. Kurbanov E.Sh., Kamilov M.A. (2019) Advantages of cryptographic algorithms in information protection and their analysis // *Bulletin of the Military Technical Institute of the National Guard of the Republic of Uzbekistan. Scientific-practical journal.* - Tashkent, 1 - son. Pages 186-189

D4. Davletov I.Kh., Kurbanov E.Sh., Rakhimov N.E., Juraev Sh.M (2021) Model of digital control system of funds allocated for the repair of apartment houses // *Scientific journal of architecture, construction and design.* - Tashkent, Number 1. Pages 186-190;

D5. Kurbanov E.Sh., Rakhimov N.E., Juraev Sh.M (2021) Method of checking the stability of share water Difference Scheme *Scientific journal of architecture, construction and design.* - Tashkent, Number 3. Pages 204-207;

E. PEER-REVIEWED OTHER INTERNATIONAL CONFERENCE ARTICLES

(Chuqur tahrirlanadigan boshqa xalqaro konferensiyalardagi maqolalari)

E1. Kurbonov E.Sh. (2017) The role and significance of information technology in distance learning // *Informatics: problems, methodology, technology, - Voronezh, 2017*;

F. PEER-REVIEWED NATIONAL CONFERENCE ARTICLES

(Chuqur tahrirlanadigan respublika konferensiyalardagi maqolalari)		
<p>F1. Analysis of modern cryptographic algorithms in ensuring information security, TFI, Spiritual and ethical requirements and priority directions of public information security, Republican scientific-practical conference. Tashkent, 2016. Pages 51-53 1 page,</p> <p>F2. Methods of information protection in the development of electronic government, TUIT, The importance of information and communication technologies in the innovative development of real sectors of the economy, Republican scientific and practical conference. Tashkent, 2017. 140-141 pages 2 pages,</p> <p>F3. Methods of solving physics problems in the Mathcad program. FerSU Current issues of science Republican scientific-practical conference. Fergana, 2017. 140-141 pages 2 pages,</p> <p>F4. Teaching the creation of three-dimensional objects in the AutoCAD program using modern software tools, TSUE, Republican scientific and practical conference on the priorities of the use of information and communication technologies in the innovative development of the national economy. Tashkent, 2017, 2 pages,</p> <p>F5. Use of different schemes in solving engineering problems. TIACE, New Technologies in Engineering Communication Systems Scientific and Technical Conference. Tashkent, 2018. Pages 53-55 3 pages,</p>		
G. BOOKS / TEXT BOOKS (darslik / o'quv qo'llanma)		
<p>G1. Shadmanova, U. A., Islamova, F.S. and Qurbonov, E.Sh. (2018). "Information technology in construction". Tutorial.</p> <p>G2. Elyorjon Kurbonov (2021). "Information technology in construction". Tutorial. Part 1</p> <p>G1. Elyorjon Kurbonov (2022). "Information technology in construction". Tutorial. Part 2</p>		
I. BOOK CHAPTERS (darslik boblari)		
I1.		
J. MONOGRAPHS / RESEARCH REPORTS (monografiyalar / ilmiy tadqiqot hisobotlari)		
J1.		
CITATIONS		h-index
Scopus:	1	1
Google Scholar:	5	
FUNDED RESEARCH PROJECTS (ilmiy loyihalarda ishtiroki (maosh olganligi))		
1.		
GRADUATE RESEARCH SUPERVISIONS / ADVISING (Ilmiy rahbar / maslahatchi bo'lganligi)		
DOCTORAL (Ph.D.) Mathematics (doktorantlarga rahbarligi, fan sohasi)		
1.		
MASTER'S (M.Sc.) Mathematics (Magistrlarga rahbarlik, fan sohasi)		
1		

COURSES TAUGHT (o‘qitadigan darslari)
UNDERGRADUATE (bakalavr talabalariga)
<ol style="list-style-type: none"> 1. Information communication technologies and systems in the economy 2. Information technology in construction (Python/Matlab) 3. Automated design systems and three-dimensional modeling 4. Fundamentals of information security 5. Numerical methods
GRADUATE (magistr talabalariga)
1.
PROFESSIONAL SERVICES (malakali xizmatlar)
EDITORSHIP AND EDITORIAL BOARD MEMBERSHIP IN INTERNATIONAL REFEREED JOURNALS (xalqaro retsenziyalanadigan jurnallarda tahririyat a’zoliqi)
1.
REFEREE IN INTERNATIONAL JOURNALS (Xalqaro jurlarda taqrizchiligi)
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SCIENTIFIC COMMITTEE MEMBERSHIP IN NATIONAL AND INTERNATIONAL CONFERENCES (Respublika va xalqaro miqyosidagi konferensiyalarda tahrir hay’ati a’zoliqi)
1.
PROFESSIONAL HONORS, PRIZES AND FELLOWSHIPS (Mukofotlari, davlat stipendiyalari va boshqa ilmiy yutuqlari)
1.
ASSOCIATIONS/AFFILIATIONS (Ilmiy jamiyatlarga a’zoliqi)
1.