



Abdikul E. Ashurov

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Professional experience:

2022 - present – Head of the Department of Space Engineering and Technologies of the L.N.Gumilyov Eurasian National University;
2013-2022 – Assistant professor of the Department for Space Engineering and Technologies of the L.N. Gumilyov ENU;
2009 - 2013 – *Managing director* of the Center for Space Services and *managing director* of the Center for High-accuracy Satellite Navigation System of the JSC “National Company “Kazakhstan Gharysh Sapary”;
2007 - 2009 – Leading engineer of the ballistic and navigation support department of the JSC “Republican Center of space communication and electromagnetic compatibility of radio electronic means”;
2006 - 2007 – Senior lecturer of the Department for Physics of the M.Auezov South-Kazakhstan State University;
2005 – 2006 – Head of Department for High mathematics of the “Otyrar” University.

Honors:

2013 - Medal Tsiolkovsky from Russian Federation of Cosmonautics.
2013 - Honorable Mention from Interstate Council “Radionavigation”.
2011 – Breastplate of the National Space Agency of the Republic of Kazakhstan on the 50th anniversary of Gagarin's space flight.

Scientific degree, scientific school :

1995- PhD on Astrophysics (Candidate of physical and mathematical sciences), Institute of Ionosphere of the JSC “National Center of Space Research and Technology”.
1988 - 1992 – Graduate school at the Leningrad State university on the specialty Astrophysics.
1985 – Leningrad State university (now Saint Petersburg State University), Faculty of Mathematics and Mechanics, specialty – Astronomy.

Scientific interests: astrodynamics of space vehicles; dynamical evolution of stellar systems.

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Courses :

- Ballistics of spacecraft;
- Software for calculation of the orbital movement of spacecraft;
- Spacecrafts;
- On-board systems of small spacecraft;
- Aeromechanics of aircraft;
- Modern methods of spacecraft motion control, etc.

Publications 75, including :

1. Ashurov A.E. An effective method for detecting satellite orbital maneuvers and its application to LEO satellites //Advances in Aircraft and Spacecraft Science. An International Journal, Vol. 9, No. 4, July 2022, pages 279-300. <https://doi.org/10.12989/aas.2022.9.4.279>
2. Botirov, F.U., Nuritdinov, S.N. & Ashurov, A.E. Dependences of Characteristics of Bulges on the Mass of the Central Black Hole and Theoretical Aspects of Their Origin. Astronomy Reports. Vol. 67, Issue 5, 448–457, July 2023. <https://doi.org/10.1134/S1063772923050013>
3. On the probability of stellar encounters in globular clusters. The Astronomical Journal, 2004, V. 127, P. 215 4-2161. Chicago University Press, USA.
4. Ashurov A.E. Spacecraft disposal in quasi-geostationary orbit // Eurasian Physical Technical Journal. – 2018. – Vol. 15, №1(29). P. 22-28.
5. Close Encounters and a Black Hole in the Globular Clusters. Dynamics and Evolution of Dense Stellar Systems, 25th meeting of the IAU, Joint Discussion 11, 18 July 2003, Sydney, Australia
6. An Evaluation of the Anisotropy Parameter in the Globular Cluster Omega Centauri. ASP Conference Series, 2002, V.265, P. 51-56.
7. Finding Out the Velocity Anisotropy Parameter for some Globular Clusters: the Case of Stationary Model. ASP Conference Series, 2001, V. 228, P. 371-373.
8. Ashurov A.E. Modeling the process of removing a spacecraft from geostationary orbit (in Russian)// Bulletin of the L.N. Gumilyov Eurasian National University. – Astana: ENU, 2016. - №6. Part II. P.241-246.
9. Ashurov A.E. Modeling the dynamic evolution of spherical gravitating systems (in Russian): Monograph - Nur-Sultan: Publishing House of the L.N. Gumilyov Eurasian National University, 2022. – 114 p.

Training:

- 2022. International training “Development and implementation of new pedagogical technologies. Experience of leading European higher educational institutions” (LLC "Eurasian Academy of Technology and Communications").
- 2020. Advanced training courses “Digital skills of a modern teacher in distance learning” (ENU).
- 2016. Space mechatronics and space robotics. – Berlin Technical university (Germany).