



## BOŽIDAR JOVANOVIĆ

Research Professor, Mathematical Institute SANU, Belgrade. Born in Prizren, Serbia, 1969. Graduated at Mathematical faculty, University of Belgrade (B. Sc. Theoretical Mathematics 1993, B. Sc. Astrophysics 1996, M.Sc. Integrable systems with one-side constraints - advisor Vladimir Dragović 1996). Ph.D Integrable nonholonomic systems on Lie groups, Mathematical faculty, University of Belgrade, advisor Vladimir Dragović 2000. Since 1994 employed at Mathematical Institute SANU.

Areas of research interest: integrable systems, classical and geometrical mechanics, application of symplectic geometry, Lie groups and algebras, and algebraic geometry in mechanics.

In 1995 have got award Rastko Stojanović: the best original paper of a researcher younger than 35 at 21st Yugoslav Congress in Theoretical and Applied mechanics and in 2008 award of the Mathematical Society of Serbia for the best achievement of a mathematician younger than 40 in the period 2005-2008. Since 2015 - Deputy Editor of Theoretical and Applied Mechanics, and since 2016 – Head of Mechanical Colloquium of Mathematical Institute SANU.

Published more than 50 papers in international journals  
(<http://researchrepository.mi.sanu.ac.rs/cris/rp/rp00016>).

### A List of 5 Selected Research Publications

1. Continuous and discrete Neumann systems on Stiefel varieties as matrix generalizations of the Jacobi-Mumford systems, *Discrete and Continuous Dynamical Systems - Series A (DCDS-A)* 41 (2021), Issue 6, 2559-2599 (with Y. Fedorov).
2. Nonholonomic connections, time reparametrizations, and integrability of the rolling ball over a sphere, *Nonlinearity* 32 (2019), Issue 5, 1675-1694 (with B. Gajić).
3. Geodesic and Billiard Flows on Quadrics in Pseudo-Euclidean Spaces: L-A Pairs and Chasles Theorem, *International Mathematics Research Notices*; (2015) 6618-6638 (with V. Jovanović).
4. The Jacobi-Rosochatius Problem on an Ellipsoid: the Lax Representations and Billiards, *Archive for Rational Mechanics and Analysis*, 210 (2013) 101-131.
5. Hamiltonization and Integrability of the Chaplygin Sphere in  $R^n$ , *Journal of Nonlinear Sciences* 20 (2010) 569-593.

**Link to Extended CV:** <http://www.mi.sanu.ac.rs/mmm/engleski/Ljudi/Boza.html>