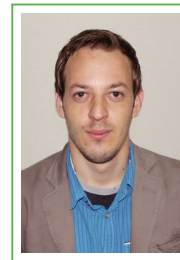


Marko Djukanović

Curriculum Vitae

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Education

- 2014–2016 **MSc in Mathematics**, *Department of Mathematics and Computer Sciences*, University of Banja Luka, .
- 2009–2013 **Diploma in Mathematics and Computer Sciences**, *Department of Mathematics and Computer Sciences*, University of Banja Luka, .

Employment

- 2014–present **Assistant**, *Department of Mathematics and Computer Sciences*, University of Banja Luka.
- 2014 **part-time software developer**, *Inova Geoinformatic Engineering*, Banja Luka.
- 2015–present **part-time software developer**, *BitLab*, Banja Luka, <https://bitlab.host/en>.

Research Interests

- Combinatorial Optimization, Linear Programming, Integer and Mixed - Integer programming
- Artificial Intelligence algorithm
- Numerical Integration
- Linear Algebra algorithm, Krylov Subspace methods

Publications

- M. Djukanović, D. Radić: Application of directed hypergraph to the presentation of functional dependencies in relational model (on Serbian) , *Mat- Kol*, XXI (1)(2016), 61-69
- M. Djukanović: Solving the Facility location problem using Variable Neighbourhood Search and Particle Swarm Optimization (on Serbian) , *Mat- Kol*, XXI (2)(2015), 117-129

Academic visits

- Visiting researcher, University of Ljubljana, Slovenia (one month - november 2016.)

National Conferences

- M. Djukanovic: Numerical Construction of Anti- Gaus Quadrature, VI Mathematical Conference of Republic of Srpska, Trebinje, 4. – 5. June 2015.
- M. Djukanovic: Variational Anti- Gaus Quadrature, V Mathematical Conference of Republic of Srpska, Sarajevo, 21. – 22. May 2016.

Projects

- "Rational Gaussian Quadrature", Ministry of Science and Technology of the Republic of Srpska, B&H , 2015-2016
- "Methods Based on Rational Krylov's Subspaces", project number 0830904, Ministry of Science and Technology of the Republic of Srpska, 2016-2017
- "Representations of Quantum Groups via Computational Linear Algebra", bilateral project B&H - Slovenia , ARRS project, 2016-2017

Awards

- Fondation "Dr Milan Jelić" scholarship for gifted students, 2010-2013
- Foundation od Ministry's scholarship for gifted graduate students, 2014