



Zoran Jasak

Datum rođenja: 24.10.1955. | **Državljanstvo:** bosansko-hercegovačko | **Telefonski broj:**

(+387) 61168056 (Mobilni telefon) | **E-adresa:** jasak_z@bih.net.ba | **researchgate:** <https://www.researchgate.net> |

Adresa: Mehmedalije Maka Dizdara 74/6, BA-75000, Tuzla, Bosna i Hercegovina (Kućna)

● RADNO ISKUSTVO

12.10.1981. – 14.9.1986. Tuzla, Bosna i Hercegovina

PROFESSOR OF MATHEMATICS IN SECONDARY SCHOOL SCHOOL CENTER FOR MINING

Professor of mathematics in secondary school

14.9.1986. – 30.10.1990. Tuzla, Bosna i Hercegovina

PROGRAMER INFORMACIONO DOKUMENTACIONI I ANALITIČKI CENTAR

Programming of applications in different areas

31.10.1990. – 30.1.1992. Tuzla, Bosna i Hercegovina

PROGRAMMER ANALYST TUZLANSKA BANKA D.D. TUZLA

During this period I was a leader of Data model team in Main project of Integral Information System, conducted in three phases. In last phase I was Project leader. SDM methodology is used for modeling. Bank applications during regular programming activities. In year 1991 bank changed name to Tuzlanska banka d.d. Tuzla. In September I was 1991 on education in NCR (Augsburg) for NCR system tools.

31.1.1992. – 30.12.2000. Tuzla, Bosna i Hercegovina

ASSISTANT TO GENERAL MANAGER FOR ELECTRONIC DATA PROCESSING TUZLANSKA BANKA D.D. TUZLA

Managing in area of application development, data processing (on daily and periodic basis) and internal information system support.

Until end of year 1995 microfilming of documentation was under jurisdiction of EDP department.

War time, in period from December 9th 1992 to November 17th 1993, I spent as a soldier of BH Army (soldier on front line, then clerk in batallion). After November 17th 1993 I was member of Department for renewal and development of Tuzla municipality. Since March 1995 I had work obligation in Tuzlanska banka d.d. Tuzla.

31.12.2000. – 29.6.2006. Tuzla, Bosna i Hercegovina

CONSULTANT (ADVISOR) TUZLANSKA BANKA D.D. TUZLA

Main task was as a team leader in first relational database implementation (Informix), accomplished in 4 months. In year 2006 this platform is changed by Oracle. Other tasks were in area of infrastructural development, ATM network and some important projects on bank level.

30.6.2006. – 13.3.2014. Tuzla, Bosna i Hercegovina

AUDITOR OF INFORMATION SYSTEM NLB TUZLANSKA BANKA D.D. TUZLA

Primary job was information system auditing, as a first information systems auditor in NLB Group outside the Slovenia. Beside of this primary task, auditings on other business areas (bank's top management, document management, compliance management, physical security, card business, business continuity and some others) were conducted for the first time.

14.3.2014. – 30.3.2016. Tuzla, Bosna i Hercegovina

CISO, CHIEF INFORMATION SYSTEMS OFFICER NLB TUZLANSKA BANKA D.D. TUZLA



Main tasks during this period were: Implementation of information security measures; Implementation of physical security measures, management; Business continuity plans on bank level. This implies that my tasks were as a Chief Information Security Officer, Chief officer for physical security.

01.4.2016. – 24.10.2020. Tuzla, Bosna i Hercegovina

PROFESSIONAL ASSOCIATE NLB BANKA D.D. SARAJEVO

Main tasks during this period were Implementation of physical security measures, Risk management (information risks, outsourcing, ...); Business continuity plans on bank level; Document management; Paper archive assortment; Involvement in big projects on bank level (DMS, ...). This implies that my tasks were as Risk manager, Compliance manager, Document management manager, ...

OBRAZOVANJE I OSPOSOBLJAVANJE

06.3.1982. – 29.12.2010. Beograd, Srbija

BACHELOR OF MATHEMATICS Faculty of mathematics and natural sciences

Adresa Studentski trg 1, SR-11000, Beograd, Srbija

29.12.2010. – 06.10.2017. Tuzla, Bosna i Hercegovina

MAGISTER OF MATHEMATICAL SCIENCES Univerzitet u Tuzli

Lessons: Statistics (Mirta Benšić), Number theory (Hasan Jamak), Data mining (Mehmed Kantardžić), Algorithms (Naser Prljača), Teorija aproksimacija (Fehim Dedagić), Operaciona istraživanja (Husein Pašagić), Teorija masovnog opsluživanja, Diferentne jednačine (Mehmed Nurkanović).

In year 2004 I applied on postgraduate studies 'Applied mathematics' on Faculty of mathematics and natural sciences in Tuzla. All obligations I finished on time, with average grade of 9.4 (on scale up to 10). Magisterial work titled "**Benford's law and reinforcement learning**" defenced on December 29th 2010 and degree of **Magister of mathematical sciences** achieved.

Adresa Tihomila Markovića 1, BA-75000, Tuzla, Bosna i Hercegovina | **Područje studija** Mathematics, statistics, natural sciences |

Konačna ocjena 9,4 | **Diplomski rad** Benford's law and reinforcement learning

06.10.2017. Tuzla, Bosna i Hercegovina

DOCTOR OF MATHEMATICAL SCIENCES Univerzitet u Tuzli

Statistika. Mentor: Wilhelm Schappacher, Institut za primjenjenu matematiku, Graz, Austrija

In academic year 2010/2011 I applied on international doctorial studies in TEMPUS project 'SEE Doctorial Studies in Mathematical Sciences' on Faculty of mathematics and natural sciences in Tuzla. On October 6th 2017 doctorial thesis titled „**Sum invariance testing and some new properties of Benford's law**“, under mentorship of Wilhelm Schappacher, full-time professor on Karl-Franzen-Universität in Graz, Austria, defenced and achieved degree **Doctor of mathematical sciences**.

Adresa Tihomila Markovića 1, BA-75000, Tuzla, Bosna i Hercegovina | **Područje studija** Mathematics, statistics, natural sciences |

Diplomski rad Sum invariance testing and some new properties of Benford's law

JEZIČNE VJEŠTINE

Materinski jezik/jezici: **BOSANSKI**

Drugi jezici:

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna produkcija	Govorna interakcija	
ENGLESKI	C1	C1	B2	B2	B2



	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna produkcija	Govorna interakcija	
RUSKI	B2	C1	B1	B2	B1

Razine: A1 i A2: temeljni korisnik; B1 i B2: samostalni korisnik; C1 i C2: iskusni korisnik

DIGITALNE VJEŠTINE

Internet | Microsoft PowerPoint | Microsoft Word | MS Office (Word Excel PowerPoint) | Rad na raunalu | Microsoft Excel | Komunikacijski programi (Skype Zoom TeamViewer) | Društvene mreže | Prilagodljivost | S lakomom prihvacam i rješavam nove izazove kroz koje napredujem | Timski rad | Priprema i oblikovanje prezentacija (MS PowerPoint)

PUBLIKACIJE

2014

Benford's law and invariances

Tekst o svojstvima invarijantnosti Benfordovog zakona

Journal of Mathematics and System Science, Vol. 4. Number 7, July 2014, ISSN 2159-5291, pp. 457 – 4

2015

Benford's Law and Arithmetic Sequences

Tekst o vezi Benfordovog zakona i aritmetičkih nizova

Journal of Mathematical Sciences: Advances and Applications, Volume 32, 2015, p. 1-16

2016

Benford's Law and Hosmer-Lemeshow test

Modifikacija Hosmer-Lemeshow testa za testiranje saglasnosti sa Benfordovim zakonom

Journal of Mathematical Sciences: Advances and Applications, Volume 41, 2016, p. 57-73

2018

Benford's Law and Wilcoxon test

Modifikacija Wilcoxon testa za testiranje saglasnosti sa Benfordovim zakonom

Journal of Mathematical Sciences: Advances and Applications, Volume 52, 2018, p. 69 – 81

2021

Benford's Law in Forensic Analysis of Registered Turnover

Primjena Benfordovog zakona u forenzičkoj analizi računovodstvenih izvještaja

Sciendo, Journal of Forensic Accounting Profession, Vol 1 No 1, 2021

2008

Detecting anomalies by Benford's law

Korištenje Benfordovog zakona za detekciju anomalija. Suautorstvo sa Lejlom Banjanović Mehmedović

IEEE International Symposium on Signal Processing and Information Technology, 2008. ISSPIT 2008. IS

2013

Benford's Law and Invariance Properties

Uključeno u Zbornik radova

2nd International Eurasian Conference on Mathematical Sciences and Applications, 26-29.08.2013, Sar



2019

Benford's Law and Sum Invariance Testing

Tekst na temu svojstva invarijantnosti

Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Adva

2021

Značaj i praktična primjena Benfordovog zakona u forenzičkom računovodstvu, 9. Međunarodni simpozij „Novo 'normalno' doba u finansijsko računovodstvenoj i menadžerskoj profesiji

Suautorstvo sa Edinom Glogićem

23. - 24.09.2021, Visoka škola za finansije i računovodstvo FINra, u organizaciji edukativno- konsu

2021

Simulacija analitičkog rješenja za topografske talase primjenom bazena oblika rotacijskog paraboloidea u okruženju Matlab

Suautorstvo sa Elvirom Čajićem

Simpozijum MATEMATIKA I PRIMENE, Matematički fakultet, Univerzitet u Beogradu, 2021 ,Vol. XI (1)

2011

Benfordov zakon u revizijskoj praksi

Poreski savjetnik, br. 3. Mart 2011

2021

Benfordov zakon i njegova primjena

Akademski pregled, Univerzitet Bijeljina, 2021

Matematika III

Zbirika zadataka iz Matematike III za studente II godine Mašinskog fakulteta

2021

Algoritmi i strukture podataka

Udžbenik za predmet Algoritmi i strukture podataka za studente FINra. Suautor Aldijana Omerović

2021

Numerička matematika

Udžbenik za predmet Numerička matematika na FINra Tuzla. Suautor Irma Ibrišimović

2021

Matematika 1

Udžbenik za predmet Matematika za studente Univerziteta u Bijeljini

2019

Benford's Law and Sum Invariance Testing

Advanced Technologies,
Systems, and Applications III
Proceedings of the International Symposium
on Innovative and Interdisciplinary
Applications of Advanced Technologies
(IAT), Volume 1
Editor: Samir Avdaković



Poveznica <https://doi.org/10.1007/978-3-030-02574-8>

2022

"TOURISM DEVELOPMENT PERSPECTIVES OF BOSNIA AND HERZEGOVINA: POSSIBILITIES AND LIMITATIONS"

Suautorstvo: Jamila Jaganjac, Merima Aljić

6th International Thematic Monograph: Modern Management Tools and Economy of Tourism Sector in Pres

2022

Sum invariance property of Benford's law and possible use in forensic analyses

Suautorstvo: Edin Glogić, FINra

Journal of Forensic Sciences & Criminal Investigation, Volume 16 Issue 1

● **KONFERENCIJE I SEMINARI**

19.12.2008. – 19.12.2008. ISSPIT, IEEE Symposium on Signal Processing and Information Technology, Sarajevo

Benfordov zakon i detekcija anomalija

19.12.2008. – 19.12.2008. ISSPIT, IEEE Symposium on Signal Processing and Information Technology, Sarajevo, 2008

Learning of Robotic Assembly based on Specially Adjustable Vibrations Parameters

Suautorstvo: Lejla Banjanović-Mehmedović. S. Karić

15.7.2010. – 15.7.2010. Ljetni univerzitet Tuzla, 2010

Benfordov zakon

16.8.2012. – 16.8.2012. 7. Bosansko-Hercegovačka Matematička Konferencija, Sarajevo, BiH

Benfordov zakon

15.5.2015. – 15.5.2015. Institut internih revizora u BiH, Godišnja konferencija sa međunarodnim učešćem „Interna revizija –

Benfordov zakon u funkciji forenzičke revizije

04.6.2015. – 04.6.2015. BH Matematička konferencija, International University in Sarajevo

Benfordov zakon i aritmetički nizovi

09.6.2017. – 09.6.2017. BH Matematička konferencija, International University in Sarajevo

Benfordov zakon i invarijantnost suma

21.6.2018. – 21.6.2018. 10. Dani BHAAAS u Bosni i Hercegovini, 21.06.2018, Jahorina, Bosnia i Hercegovina

Benford's law and sum invariance testing

26.5.2022. – 29.5.2022. 1th International Conference, Conference on Advances in Science and Technology, Herceg Novi

Benfordov zakon i Goutereau konstanta

26.5.2022. – 29.5.2022. 1th International Conference, Conference on Advances in Science and Technology, Herceg Novi

Out-Of-Kilter algoritam

Suautorstvo sa Irmom Ibrišimović, Aldijanom Omerović i Elvirom Čajićem

28.5.2022. – 28.5.2022. MEĐUNARODNA STATISTIČKA KONFERENCIJA SSE 2022, Travnik

Primjena Benfordovog zakona u ekonomskoj i drugoj praksi
