

Academic curriculum vitae



Personal information

Name & Surname

Adila Nurić

Address

M.M.Dizdara, Stupine C1, 75000 Tuzla

Phone

035 320580

GSM:

Fax

035320570

E-mail/Web

adila.nuric@untz.ba

Nationality

Bosnian

Birth date

04.12.1970.

Gender

Female

Current workplace/position/title

Professor at the RGGF, Department Geospatial Information, Engineering Graphics and Numerical Modelling/Full Professor/Doctor of Technical Sciences in the field of Mining

Work Experience

Date

23.09.2016.- present

Position / occupation / title

University professor/Full Professor/ Doctor of Technical Sciences in the field of Mining

Basic responsibilities and duties

Teaching, consultations, scientific research

Employer

Faculty of mining, geology and civil engineering (RGGF), University of Tuzla

Sector

High education

Date

22.09.2010.- 22.09.2016.

Position / occupation / title

University professor /associate professor/doctor of technical sciences in the field of mining

Basic responsibilities and duties

Teaching, consultations, scientific research

Employer

RGGF, University of Tuzla

Sector

High education

Date

19.10.2005.-21.09.2010.

Position / occupation / title

University professor /assistant professor/doctor of technical sciences in the field of mining

Basic responsibilities and duties

Teaching, consultations, scientific research

Employer

RGGF, University of Tuzla

Sector

High education

Date

17.07.2002.-18.10.2005.

Position / occupation / title

Senior Assistant/Senior Assistant/Master of Science in Mining

Basic responsibilities and duties

Teaching, consultations, scientific research

University of Tuzla

Employer	Faculty of electrical engineering, University of Tuzla
Sector	High education
Date	01.01.1997.-16.07.2002.
Position / occupation / title	Assistant/Assistant/Graduate Mining Engineer
Basic responsibilities and duties	Teaching, consultations, scientific research
Employer	RGF, University of Tuzla
Sector	High education
Date	01.07.1996.-31.12.1996.
Position / occupation / title	Associate researcher/Associate researcher/ Graduate Mining Engineer
Basic responsibilities and duties	Teaching, consultations, scientific research
Employer	RGF, University of Tuzla
Sector	High education

Education and Training

Date	1985.
Qualification acquired	
Field of science and profession, acquired titles and skills	Finished prime school
Name and type of organization	Prime school Vladimir Nazor Živinice, prime education
Date	1989.
Qualification acquired	IV level
Field of science and profession, acquired titles and skills	Electrical technician. Mastered skills in the field of electro technic, energy and electric power plants, especially programming in the area of electric calculations.
Name and type of organization	High School of Electro technic, Živinice, high school education
Date	1996.
Qualification acquired	VII level
Field of science and profession, acquired titles and skills	Mining, graduate mining engineer. Mastered problem-solving skills in the field of mining, with special application of programming and computer simulation in the aforementioned field.
Name and type of organization	Faculty of Mining and Geology, University of Tuzla, Higher Education
Date	2001.
Qualification acquired	VIII/1
Field of science and profession, acquired titles and skills	Mining. Obtained the title of Master of Science in the field of mining, senior assistant. Acquired additional knowledge in the field of exploitation of metallic and non-metallic mineral deposits, especially improved methods of simulation of exploitation of metallic and non-metallic mineral resources via computers and development of programs and software in the field of mining.
Name and type of organization	Faculty of Mining, Geology and Civil Engineering, University of Tuzla, Higher Education
Date	2005.
Qualification acquired	VIII/2
Field of science and profession, acquired titles and skills	Mining. Obtained the title of doctor of technical sciences in the field of mining, docent. Acquired additional knowledge of ground subsidence due to the execution of underground works, especially perfected methods of simulating ground subsidence through computers and development of programs and software in the field of mining.
Name and type of organization	Faculty of Mining, Geology and Civil Engineering, University of Tuzla, Higher Education

Date	2008.
Qualification acquired	Completed GIS course Introduction to MapInfo Professional
Field of science and profession, acquired titles and skills	Geoinformation systems. New knowledge in the field of geoinformation systems, desktop cartography, visualization and geographic analysis, thematic mapping, zoning, geocoding, SQL queries, databases.
Name and type of organization	GAUSS d.o.o. Tuzla, Research, development and application of geoinformatics technologies

Scientific papers within formal education

Appointment to the position of Senior Assistant – competence in the field of mining, numerical modelling, computer simulation and programming

Title of the paper	"Dimenzioniranje parametara komorno stubne metode numeričkim modeliranjem elasto-plastičnom analizom", Suljkanović M., Avdić M., Bajrektarević I, Nurić A.
The institution where the paper was prepared	Znanstveno stručno savjetovanje s međunarodnim djelovanjem, Zbornik radova sa savjetovanja MESTU'99, pp. 147-151
Year and place	1999, Zagreb
Title of the paper	"Softveri u tehničkoj primjeni ", Nurić A. , Nurić S.
The institution where the paper was prepared	Zbornik radova RGGF-a. XXII, ISSN 1512-7044, pp. 101-104
Year and place	2000, Tuzla

Appointment to the position of assistant professor – competence in the field of mining, numerical modelling, computer simulation and programming

Title of the paper	"Predstavljanje površinskog kopa primjenom softvera PLOT88", Golać H., Nurić A. , Nurić S., Pašić-Škripić D.
The institution where the paper was prepared	Naučno-stručni časopis RUDARSTVO 23-24, ISSN 0353-9172, pp. 31-35, Rudarski Institut Tuzla
Year and place	2001, Tuzla
Title of the paper	"Numerička analiza konačnim elementima kod izgradnje tunela", Nurić A. , Nurić S., Gutić K.
The institution where the paper was prepared	Zbornik radova RGGF Tuzla, XXIV, ISSN 1512-7044, pp.99-102
Year and place	2002, Tuzla
Title of the paper	"Zavisnost otkopnog kapaciteta rotornog bagera SRs – 402 u funkciji prirodnih i tehnoloških faktora", Brčanić M., Golać H., Nurić A. , Nurić S
The institution where the paper was prepared	Zbornik radova RGGF Tuzla, XXV, ISSN 1512-7044, pp.7-14
Year and place	2003, Tuzla
Title of the paper	"Programiranje u FORTRAN-u sa grafikom", Nurić A. , Nurić S., Brčanić M., Golać H.
The institution where the paper was prepared	Zbornik radova RGGF-a Tuzla, XXV, ISSN 1512-7044, pp.77-82
Year and place	2003, Tuzla
Title of the paper	"Izbor utovarno-transportnog kompleksa bager-kamioni", Nurić S., Golać H., Nurić A. , Brčanić M.
The institution where the paper was prepared	Zbornik radova RGGF-a Tuzla, XXVI, ISSN 1512-7044, pp.59-66

Year and place	2003, Tuzla
Title of the paper	"Application of the finite element method on construct of tunnels and underground excavation", Nurić A. , Nurić S., Gutić K.
The institution where the paper was prepared	4 th International conference of PhD students University of Miskolc, Hungary, ISBN 963 661 585 3 and ISBN 963 661 591 8, pp. 353-358
Year and place	2003, Miskolc
Title of the paper	"Application of trolley assist diesel-electric DC trucks on the open pit mine Grivice-Banovici", Nurić S., Nurić A.
The institution where the paper was prepared	36 th International October Conference on Mining and Metallurgy, Technical Faculty Bor-University of Belgrade, ISBN 86-80987-27-1, pp. 156-160
Year and place	2004, Bor
Title of the paper	"Predict of displacement and deformation related to subsidence above underground mine with stochastic and numerical method", Čeliković R., Nurić A. , Avdić M.
The institution where the paper was prepared	36 th International October Conference on Mining and Metallurgy, Technical Faculty Bor – University of Belgrade, ISBN 86-80987-27-1, pp. 143-148
Year and place	2004, Bor
Title of the paper	Simulacija cijepanja ukrasnog kamena numeričkom analizom, Nurić A.
The institution where the paper was prepared	Zbornik radova RGGF-a Tuzla, XXVIII, ISSN 1512-7044, pp. 61-65
Year and place	2005, Tuzla

Appointment to the title of associate professor – competence in the field of mining, numerical modelling, computer simulation and programming

Title of the paper	"Proračun stabilnosti radnih kosina pomoću računara na PK 'Mošćanica' RMU Zenica", A. Nurić , S.Nurić, M. Avdić
The institution where the paper was prepared	Rudarski radovi 1/2005, Institut za bakar Bor, UDC 622, YU ISSN 1451-0162, pp. 44-49
Year and place	2005, Bor
Title of the paper	"Analysis of removing the overburden with complex shovel-crusher-belt-stacker (SCBS)", S. Nurić, A.Nurić , I.Lapandić
The institution where the paper was prepared	Proceedings 37 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade, Copper Institute Bor, ISBN 86-80987-34-4, pp. 41-45
Year and place	2005, Bor
Title of the paper	"Analysis of the overall slope stability on pit mine 'Moscanica' in Zenica with methods Bishop and Morgenstern – Price", A. Nurić , S.Nurić, I.Lapandić
The institution where the paper was prepared	Proceedings 37 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade, Copper Institute Bor, ISBN 86-80987-34-4, pp. 28-34
Year and place	2005, Bor
Title of the paper	"Uljeganje terena iznad potopljenog rudnika soli Tušanj", B. Tomić, A. Nurić , S. Nuhanović
The institution where the paper was prepared	Rudarstvo 39-40, Rudarski institut u Tuzli, ISSN 0353-9172, pp. 150-165
Year and place	2005, Tuzla
Title of the paper	"Define optimal technical-technologic parameters drainage of the pit mine", S. Nurić, A. Nurić , T. Knežiček, M. Kukić, M. Klopčić
The institution where the paper was prepared	Proceedings 38 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade,

prepared	Copper Institute Bor, ISBN 86-7827-019-5, pp.112-124
Year and place	2006, Bor
Title of the paper	"Analysis possibility of application diesel-electric AC trucks on the open pit mine 'Grivice', black coal mine Banovići", S. Nurić, A. Nurić , T. Knežiček, M. Kukić, M. Klopčić
The institution where the paper was prepared	Proceedings 38 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade, Copper Institute Bor, ISBN 86-7827-019-5, pp.125-136
Year and place	2006, Bor
Title of the paper	"Ekonomski parametri bušenja i miniranja otkrivke na površinskim kopovima RMU Banovići", Nurić S, Nurić A. , T. Knežiček, M. Klopčić, V. Halilbegović, E. Haračić
The institution where the paper was prepared	Rudarski radovi 1-2/2006, Institut za bakar Bor, UDC 622, YU ISSN 1451-0162, pp. 31-36
Year and place	2006, Bor
Title of the paper	"Prolamanje masiva i ulijeganje terena iznad potopljenog rudnika soli Tušanj", B. Tomić, A. Sušić, A. Nurić , S. Nuhanović
The institution where the paper was prepared	Monografija zbornika radova, Međunarodna naučna-stručna konferencija Trendovi u savremenom rudarstvu TIMC 05/06, Tuzla International Mining Conference, RGGF, University of Tuzla, XXXII, ISSN 1512-7044, pp. 44-59
Year and place	2006, Tuzla
Title of the paper	"Analiza transporta jalovine žičarom od pogona separacije do odlagališta Ravni bor-Ježevac u RMU Banovići", S. Nurić, A. Nurić , M. Klopčić
The institution where the paper was prepared	Zbornik radova RGGF-a Tuzla, XXXI, ISSN 1512-7044, pp. 119-125
Year and place	2007, Tuzla
Title of the paper	"Vizualizacija vanjskog odlagališta 'Zapad' na PK Dubrave korištenjem kompjuterske tehnike", A. Nurić , S. Nurić, E. Haračić
The institution where the paper was prepared	Zbornik radova RGGF-a, XXXIII, ISSN 1512-7044, pp. 183-187
Year and place	2007, Tuzla
Title of the paper	"The methods of monitoring slope stability to provide security performance of works on the open pit mine", A. Nurić , S. Nurić, Š. Lapandić, E. Haračić
The institution where the paper was prepared	Proceedings 39 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade, Copper Institute Bor, ISBN 987-86-80987-52-1, pp. 58-63
Year and place	2007, Bor
Title of the paper	"Defining time of cycle equipment for excavation and loading on the pit mine 'Vrtliste' black coal mine Kakanj", S. Nurić, E. Haračić, M. Kukić, A. Nurić
The institution where the paper was prepared	Proceedings 39 th IOC on mining and metallurgy, Technical faculty at Bor University of Belgrade, Copper Institute Bor, ISBN 987-86-80987-52-1, pp. 44-50
Year and place	2007, Bor
Title of the paper	"Development of software for estimation open cycle of truck transportation on the pit mine", A. Nurić , S. Nurić, E. Hercegovac
The institution where the paper was prepared	The 4 th Malaysia Software Engineering Conference 2008, University Malaysia Terengganu, Terengganu
Year and place	2008, Terengganu
Title of the paper	"Haulage solutions with trolley assist diesel-electric AC trucks on the pit mine RMU Banovici", Nurić S., Nurić A. , Brčanić M.

The institution where the paper was prepared	Journal of mining and metallurgy 45 A (1), Technical faculty at Bor University of Belgrade, pp. 79-87, ISSN 1450-5959
Year and place	2009, Bor
Title of the paper	"Optimization of bench height on quarry "Duboki potok-Bijela rijeka" Ingram Srebrenik", Nurić S., Nurić A. , Kešetović Z., Delić M.
The institution where the paper was prepared	Proceedings 41 th IOC on Mining and Metallurgy – IOCMM 2009, Kladovo, Mining and Metallurgy Institute Bor and University of Belgrade Technical faculty Bor, pp. 175-180, COBISS.SR-ID 169873676
Year and place	2009, Bor
Title of the paper	"Specifying the influence of landfill coal mine „Dubrave“ on the surrounding terrain", Delić M., Nurić A. , Nurić S., Radulović V.
The institution where the paper was prepared	Proceedings 41 th IOC on Mining and Metallurgy – IOCMM 2009, Kladovo, Mining and Metallurgy Institute Bor and University of Belgrade Technical faculty Bor, pp. 293-298, CIP 622(082) i 669(082), ISBN 978-86-7827-033-8, COBISS.SR-ID 169873676
Year and place	2009, Bor
Title of the paper	"Application of computer simulation construction of the haul roads at the open pit mine", Delić M., Nurić A. , Nurić S., Radulović V.
The institution where the paper was prepared	Proceedings 41 th IOC on Mining and Metallurgy, – IOCMM 2009, Kladovo, Mining and Metallurgy Institute Bor and University of Belgrade Technical faculty Bor, pp. 169-174, COBISS.SR-ID 169873676
Year and place	2009, Bor

Appointment to the position of full professor - competence in the field of mining, numerical modelling, computer simulation, programming and statistics

Title of the paper	"Numerical methods in analysis of slope stability", Nuric A., Nuric S., Kricak L., Husagic R.
The institution where the paper was prepared	International Journal of Science and Engineering Investigations, Vol. 2, Issue 14, pp. 41-48, ISSN 2251-8843
Year and place	2013
Title of the paper	"Redevelopment of Mining Area", Nuric A., Nuric S., Brcaninovic M.
The institution where the paper was prepared	QUAESTUS Multidisciplinary Research Timișoara, pp. 267-277, ISSN online 2343-8134, ISSN –L 2285-424X
Year and place	2014, Timișoara, http://www.quaestus.ro/wp-content/uploads/2012/03/nuric4.pdf
Title of the paper	"Developing and application of software for determining parameters of drainage on designed embankment", Nuric A., Nuric S., Kricak L., Negoanovic M.
The institution where the paper was prepared	International Journal of Engineering Works, Kambohwell Publisher Enterprises Vol. 2, Issue 5, pp. 58-65, ISSN: 2409-2770, DOI 10.5281/zenodo.15775, DOI 10.5281/zenodo.17402
Year and place	2015, http://www.kwpublisher.com/?paper=1-55-Developing-and-Application-of-Software-for-Determining-Parameters-of-Drainage-on-Designed-Embankment
Title of the paper	"Influence of bulldozer delays on effective time of work in surface mining", Nuric S., Nuric A.
The institution where the paper was prepared	Journal of Multidisciplinary Engineering Science Studies (JMESS), ISSN: 2912-1309, Vol. 1 Issue 1, pp.30-35
Year and place	2015, http://www.jmess.org/wp-content/uploads/2015/11/JMESSP13420008.pdf
Title of the paper	"Development of a fuzzy model for predicting the penetration rate of tricone rotary blasthole drilling in open pit mines", Kricak L., Negoanovic M., Mitrovic S., Miljanovic I., Nuric S., Nuric A.
The institution where the paper was prepared	The Journal of the Southern African Institute of Mining and Metallurgy, Vol. 115, pp. 1065-1071, ISSN: 2225-6253
Year and place	2015, http://dx.doi.org/10.17159/2411-9717/2015/v115n11a11 , http://www.saimm.co.za/Journal/v115n11p1065.pdf

Title of the paper	"Methodologies of calculation mass for construction plateau on the site "Streliste" Velika Ribnica – Banovici", Nuric A., Nuric S., Hercegovac E., Lapandic S., Delic M.
The institution where the paper was prepared	Proceedings 42 th IOC on Mining and Metallurgy, pp. 364-367, Technical faculty at Bor University of Belgrade, Copper Institute Bor, Kladovo, Serbia, COBISS.SR-ID 178565388
Year and place	2010, Kladovo
Title of the paper	"Determination of final slope stability at the pit mine Dubrave", Delic M., Nuric A., Nuric S., Radulovic V.
The institution where the paper was prepared	Proceedings 42 th IOC on Mining and Metallurgy, pp. 134-137, Technical faculty at Bor University of Belgrade, Copper Institute Bor, Kladovo, Serbia, COBISS.SR-ID 178565388
Year and place	2010, Kladovo

After being appointment to the position of full professor - competence in the field of mining, numerical modelling, computer simulation, programming and statistics

Title of the paper	"The consequences of subsidence on the cultural heritage and tourism of Tuzla", Nuric S., Nuric A. , Knezicek T.
The institution where the paper was prepared	QUAESTUS multidisciplinary research journal, Issue 12, pp. 120-134, ISSN online 2343-8134, ISSN –L 2285-424X
Year and place	2018, Timișoara
Title of the paper	"What after mine closure?", Nurić S., Kešetović Z., Nurić A. , Gutić K.
The institution where the paper was prepared	QUAESTUS Multidisciplinary Research Timișoara, pp. 333-348, ISSN online 2343-8134, ISSN –L 2285-424X,
Year and place	2019, Timișoara
Title of the paper	"Numerical modeling of transport roads in open pit mines", Nuric A. , Nuric S.
The institution where the paper was prepared	Journal of Sustainable Mining, Volume 18, Issue 1, pp. 25-30, https://doi.org/10.1016/j.jsm.2019.02.005
Year and place	2019, https://www.sciencedirect.com/science/article/pii/S2300396018301599
Title of the paper	"Categorization of the Post-Mine Land", Nuric S., Nuric A. , Bajrektarevic I., Kešetovic Z.
The institution where the paper was prepared	SSRN
Year and place	2020, https://ssrn.com/abstract=3549309
Title of the paper	"The noise at the open pit mine Potocari in Tuzla canton", Nuric S., Nuric A. , Bajrektarevic I., Zenunovic J.
The institution where the paper was prepared	QUAESTUS multidisciplinary research journal, pp. 230-245
Year and place	2020, Timișoara
Title of the paper	"Abandoned open pit mine and ecological tourism", Nurić S., Nurić A. , Bajrektarević I., Isaković S.
The institution where the paper was prepared	QUAESTUS multidisciplinary research journal, pp. 42-52
Year and place	2021, Timișoara
Title of the paper	"Analysis of fuel consumption with two methods of exploitation of limestone", Nuric S., Nuric A.
The institution where the paper was prepared	QUAESTUS multidisciplinary research journal, Issue 20, pp. 21-31
Year and place	2022, Timișoara, Timisoara, https://www.proquest.com/openview/21e0ba3b7ee9425e7b3600313c39b2b0/1?pq-origsite=gscholar&cbl=2040113

Title of the paper	"Geodetic surveying of the depot using the combined method and mass calculation at the "Jablan" quarry", Nuric A. , Kesetovic A., Nuric S.
The institution where the paper was prepared	QUAESTUS multidisciplinary research journal, Issue 24, pp. 65-82
Year and place	2024, Timisoara
Title of the paper	"Thermal analysis of fire effects on fire doors using the finite element method", Nuric A. , Nuric S., Varcakovic A.
The institution where the paper was prepared	J. Eng. Appl. Sci. 71, 111
Year and place	2024, https://doi.org/10.1186/s44147-024-00430-w
Title of the paper	"Heavy Metal Pollution of Water Sources "Šićki Brod" and "Studenac" Due to the Exploitation of Coal ", Nuric A. , Nuric S., Varcakovic A.
The institution where the paper was prepared	SAR Journal - Science and Research, Issue 1, pp. 12-18
Year and place	2024, doi: 10.18421/SAR71-02

Selected publications and presentations

Publication name	"Primjena metode konačnih elemenata za modeliranje cijepanja blokova ukrasnog kamena metodom ekspanzirajućeg materijala" – master thesis
Authors	Adila Nurić
Publisher, year and place	RGGF, 2001, Tuzla
Publication name	"Numeričko modelovanje i kompjuterska simulacija procesa slijeganja terena" – doctoral thesis
Authors	Adila Nurić
Publisher, year and place	RGGF, 2005, Tuzla
Publication name	"Programiranje i primjena u inženjerstvu", book ISBN 978-9958-9067-2-5
Authors	Avdić M., Nurić A.
Publisher, year and place	Copygraf, 2008, Tuzla
Publication name	"Programiranje i statistika u inženjerstvu", book ISBN 978-9958-894-28-2
Authors	Nurić A., Nurić S.
Publisher, year and place	INSCAN, 2015, Tuzla
Publication name	"Softverski potpomognuto dizajniranje", book, ISBN 978-9958-9067-2-5
Authors	Nurić A.
Publisher, year and place	INSCAN, 2015, Tuzla
Publication name	Creating of open educational resource on example of laboratory rock testing practice
Authors	Nurić A, Hodžić M.
Publisher, year and place	GEO-EXPO, 2016
Publication name	The consequences of subsidence on the cultural heritage and tourism of Tuzla
Authors	Nurić S., Nurić A., Knežiček T.

Publisher, year and place	QUAESTUS Multidisciplinary Research Journal, 2018, Timișoara.
Publication name	What after mine closure?
Authors	Nurić S., Kešetović Z., Nurić A., Gutić K.
Publisher, year and place	QUAESTUS Multidisciplinary Research Journal, 2019, Timișoara.
Publication name	Numerical modelling of transport roads in open pit mines
Authors	Nurić A., Nurić S.
Publisher, year and place	Journal of Sustainable Mining , Volume 18, Issue 1 , 2019

Selected projects and presentations

Title	TEMPUS project BAEKTEL
Authors	University consortium with the University of Basilicata as coordinator
Publisher, year and place	EACEA, Dec. 2013-April 2017, Brussels

Recognitions and awards

Title
Institution
Reason

Membership in professional associations

Name of the association
Brief description of the association
Association address / web reference
Position in the association
Comment

Participation in the teaching process

Teaching Assistant	(1996-2002) RGGF: Computer programming and application in mining, Computer programming and application in geology.
Senior Teaching Assistant	(2002-2005) RGGF: Programming and application of computers in mining, Programming and application of computers in geology, Programming and application of computers in construction, Programming and numerical methods, Programming and geotechnology, Soil and rock mechanics, Soil and landfill protection, Environmental protection, Numerical analysis, Lighting, Fundamentals of Informatics
Assistant professor	Lectures RGGF (2005-2010): Help and rescue software, Information systems security, Fundamentals of computer science, Programming with statistics. Exercises RGGF (2005.-2010.): Basics of Informatics, Programming with Statistics, Help and Rescue Software, Basics of Informatics and Programming in Mining, Basics of Informatics and Programming in Geology, Basics of Informatics and Programming in Construction, Basics of Informatics and Programming in Geotechnology, Soil and Landfill Protection, Environmental Protection, Geomechanics I, Geomechanics II, Numerical Analysis, Rescue Services Lectures at the Summer University on 08.-09.07.2008. on the topic "Numerical Analysis of Slope Stability in Open Pits" within the seminar "Finite Element Method"
Associate professor	Lectures RGGF (2010-2016): Subjects from a narrow scientific field

Full professor	Lectures RGGF (2016-present): Subjects from a narrow scientific field
Other	Postgraduate studies: All specializations: Engineering statistics with probability theory Specialization Security and assistance: Numerical methods and computer applications in security, Information systems protection, Computer simulation Specialization Civil engineering: Numerical modelling in geotechnics

Mentoring in the preparation of master's and doctoral theses

Master's theses	<p>Šehval Lapandić: <i>"Razvoj softvera za pomoć sa aspekta geometrijskih parametara zapadnog revira unutrašnjeg odlagališta PK 'Grivice' RMU Banovići i tehnoloških procesa pri njegovom formiranju"</i>, RGGF, 2007.</p> <p>Mirad Delić: <i>"Analiza naponsko-deformacijskog stanja okolnog terena pri formiranju vanjskog odlagališta PK Dubrave"</i>, RGGF, 2008.</p> <p>Elvedina Numanović: <i>"Numeričko modelovanje i kompjuterska simulacija konstrukcije tansportnih puteva na površinskim kopovima RMU Banovići"</i>, RGGF, 2012.</p> <p>Aladin Varcaković: <i>"Numeričko modeliranje i simulacija požarnog sektora u objektima visoke gradnje"</i>, RGGF, 2023.</p>
Doctoral theses	<p>Šehval Lapandić: <i>"Numeričko modeliranje naponsko-deformacijskog stanja u kosinama etaža na primjeru površinskih kopova RMU Banovići"</i>, RGGF, 2015</p>

Research projects and studies

Completed projects

1. "Mogućnost otkopavanja zaštitnog stuba između otkopnih polja I i II sa ocjenom uticaja kopanja na bušotinu za zapunjavanje", Rudnik mrkog uglja Kakanj u Kaknju, 1996., task holder Mevludin Avdić, Position: Responsible for the part related to computer simulation and analysis of the obtained results.
2. "Elaborat o rezultatima probnog otkopavanja stubno-komornom metodom u zaštitnom stubu za naselje Kakanj /VII – VIII/ sprat za dimenzije otkopa, širine komore 7,0 m i debljine zaštitnog stuba 11 m", RMU Kakanj, 1996., task holder Mevludin Avdić, Position: Responsible for the part related to computer simulation and analysis of the obtained results.
3. "Dimenzionisanje međukomornih stubova u uglju primjenom numeričkih metoda", Rudnik Breza, 1996., task holder Mevludin Avdić, Position: Responsible for the part related to computer simulation and analysis of the obtained results.
4. "Verifikacija i analiza parametara komorno stubne metode otkopavanja u zaštitnom ugljenom stubu bez uticaja na površinu za naselje Kakanj u Staroj Jami Rudnika 'Kakanj' u Kaknju", Rudnik Kakanj u Kaknju, task holder Mevludin Avdić, 1997. Position: Responsible for the part related to computer simulation and analysis of the obtained results.
5. "Elaborat o geomehničkim osobinama radne sredine OP 23-4 jame 'Omazići' RMU Banovići – Banovići", RMU Banovići u Banovićima, task holder Mevludin Avdić, 1998. Position: Responsible for the part related to computer simulation and analysis of the obtained results.
6. "Elaborat o geomehničkim ispitivanjima i proračunima nosivosti i slijeganja tla na lokaciji nove benzinske pumpe u Oskovi – Banovići Tuzla", task holder Mevludin Avdić, august 2002 Position: Member of the team that worked on the development of the program for the calculation of bearing capacity and soil settlement.
7. "Dopunski rudarski projekat: Uvođenja sistema za praćenje i upravljanje dijela tehnološkog procesa RMU Banovići", RMU 'Banovići' u Banovićima", august 2008. task holder Samir Nurić, Position: In the project, responsible for the technique and technology of introducing monitoring and management equipment.
8. "Elaborat uticaja radne sredine na rad i dinamiku napredovanja KMŠČ u jami glavni sloj revira 'Mramor' u Mramoru", Rudnici 'Kreka', Tuzla, 2008. Nosioc zadatka: Mevludin Avdić, Saradnici: I. Bajrektarević, A. Nurić, R.Čeliković, S. Čosić, S. Nurić Pozicija: Zadužena za dio koji se odnosi na kompjutorskoj simulaciji i analizi dobijenih rezultata.
9. *Dopunski Rudarski Projekat Trajna obustava rudarskih radova na eksploataciji uglja PK Čubrić RMU Banovići*, Rudarsko-geološko-građevinski fakultet, Nosioc zadatka Samir Nurić, RGGF, 2012
10. Projekat "Adaptacija-uređenje računarskog centra na RGGF-u", Po internom pozivu Univerziteta u Tuzli za finansiranje/sufinansiranje projekata opremanja Univerziteta u Tuzli od značaja za Federaciju u 2014. godini – voditelj projekta dr sc. Adila Nurić, vanr.prof.

On-going projects

Planned projects (expected, in preparation)

Personal skills and competencies

Native language

Bosnian

Other languages

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
excellent	excellent	Very good	Very good	Very good

Scientific, professional and social competences

Competencies for conducting scientific research and teaching in higher education	I participate in teaching in the fields of: informatics, information systems, computer simulation, programming, statistics, geostatistics, numerical analysis, geomechanics, databases, and I have knowledge in mining acquired through undergraduate and postgraduate studies at the Faculty of Mining, Geology and Civil Engineering. I have particularly advanced knowledge in the fields of programming and computer simulation, as well as numerical and statistical methods, and their applications in engineering, especially in mining, geology, construction and safety.
Competencies for participation in scientific research projects	In scientific research, I am engaged in the areas of application of information technologies and systems, computer simulations, development of programs for calculations and graphics, geomechanical testing and analysis due to the knowledge acquired in the aforementioned areas.
Scientific and research interest (occupation) and current development	Scientific and research interest is primarily in the field of software development, computer simulation and application of new information technologies in mining, geology and construction, statistics and geostatistics.
Planned professional development	Further training in the field of mastering programming languages, software for research and design in mining and construction, as well as geology.
Social skills and competences	
Organizational skills and competencies	Organizational skills are manifested through organizing classes and exercises with a large number of students and their engagement through project assignments and seminars on developing programs and software. I have a particular preference for teamwork because I believe that in this way, any assigned task can be completed more efficiently and with better quality.
Technical skills and competencies	The technical skills mastered relate primarily to the methodologies of mathematical calculations related to mining and construction and their implementation through computer programs. I especially emphasize programs for calculating transport parameters in mining (trucks, conveyors, railways), drainage in open pit mines, stress calculation in mine rooms, calculation of bearing capacity and soil settlement, calculation and analysis of geomechanical tests, programs for supporting structures, a program for graphical presentation of subsidence of points on the terrain surface, programs for graphical presentation of curvilinear distributions, a program for 3D graphical presentation of terrain, programs for statistical analysis, programs for safety and alarm analysis in mine rooms, a program for exploratory drilling in geology, programs related to numerical methods, programs for analysing collected data related to slope stability, and others. In addition to programming, I have mastered the skills of computer simulation using the finite element method of various physical systems, especially in the fields of mining, mechanical engineering, and construction.
Computer skills and competencies	Complete work refers to the use of computers from basic work with operating systems, application software as well as software for engineering calculations and graphic visualization, protection of information systems and software. Especially proficient in working with OS Windows, Microsoft Office, Microsoft Visual Studio with programming languages Visual Fortran, Visual C++, Python, ADINA, ALGOR, SURFER, MapInfo, MatCad, AutoCad, MiniTab14, Regres, slope stability programs, Plastgen, Visgen, Dynpak and others.
Artistic skills and competencies	
Other skills and competencies	

Other information

Reviewer of papers for Measurement, Journal of Sustainable Mining, Elsevier journals, member of the editorial team (international committees) of foreign journals and conferences

Contributions