Curriculum Vitae
Ramin Rafiee

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1) *Personal Information:*

Surname: **Rafiee**
First name: **Ramin**
Gender: **male**
Marital State: **Single**
Nationality: **Iranian**
Date of birth: **august, 1983**
Place of Birth: **Isfahan**

2) EDUCATIONAL BACKGROUND:

Degree	Field	University	Date
B.Sc.	*Mining engineering*	*Yazd University (Yazd, Iran)*	*2002-06*
B.Sc. thesis subject:			
Selection support system for khadangestan water transporting tunnel by using experimental and numerical methods and compare them, under supervision of Dr. Mohmmad Fatehi			
M.Sc.	*Mining engineering*	*Shahrood University of Technology (Semnan, Iran)*	*2007-09*
M.Sc. thesis subject:			
Selection of suitable support system for Beheshtabad water transporting tunnel by using MADM method, under supervision of Prof. Mohammad Ataei and Dr. Esmaiel Jalali			
PhD	*Mining engineering*	*Shahrood University of Technology (Semnan, Iran)*	*2011-Now*
PhD. thesis subject:			
Determination cavability index of rock mass in block caving mines using rock engineering system, under supervision of Prof. Mohammad Ataei and Prof. Reza Kaloo Kakaie			

3) WORK EXPERIENCES:

Occupation	Company	Location	Date
Supervisor	*Zayand Ab consulting engineering company*	*Khadangestan tunnel*	*2006-.2007*
Supervisor	*Zayand Ab consulting engineering company*	*Behesht Abad tunnel*	*2009-2010*
Senior Engineer	*Zayand Ab consulting engineering company*	*Alamoot tunnel*	*2010-2011*
Supervisor	*Zayand Ab consulting engineering company*	*Rock mechanic lab*	*2011-2012*
Senior Mining Engineer	*KCE consulting engineering company*	*Kahang*	*2013-Now*

4) ACHIEVEMENTS:

The second best student entering Shahrood University of Technology in 2007-2008 in mining Engineering

The first best student entering Shahrood University of Technology in 2011-Now in mining Engineering

5) SELECTED RESEARCH PROJECTS:

Title	Subject	Date
Analysis of coal mine roof fall rate using fuzzy reasoning techniques	*Training seminar*	*2007*
Pillar design issue for underground stone mine	*Training seminar*	*2008*
A methodology for evolution and classification of rock mass quality on tunnel engineering	*Training seminar*	*2008*
Consolidation method in tunnel	*Training seminar*	*2007*
Assessment and risk analysis of tunneling, case study Koohrang tunnel	*Research projects*	*2011*
Optimization of Pillar Size in Stop and Pillar Mines Considering Extraction Sequences	*Research projects*	*2012*
The Optimum Support Selection Using FDAHP Method for Beheshtabad Water Transporting Tunnel	*Research projects*	*2012*
Assessment of influence parameters on the cavability of coal mines	*Research projects*	*2013*

6) MEMBERSHIPS:

1	*Member of Iranian Mining Engineering Organization*
2	*Member of Iranian tunneling association*

7) PUBLICATIONS:

1. **R. Rafiee**, M. Ataei, S.M.E. Jalali, "*The optimum support design selection by using FAHP method for the Beheshtabad water transporting tunnel in Naien*", Iranian Journal of Fuzzy Systems Vol. 10, No. 6, (2013) pp. 39-51
2. **R. rafiee,** M. Ataei, M. kamali, "*Rock mass classification systems for evaluating tunnel stability using binary and multinomial logistic regression (LR)*", Journal of Geology and Mining Research, Vol. 5(4), (2013), pp. 97-107
3. **R. Rafiee**, M. Ataei and M. Kamali, "*Probabilistic stability analysis of Naien water transporting tunnel and selection of support system using TOPSIS approach*", Scientific Research and Essays Vol. 6(21), pp. 4442-4454, 30 September 2011
4. **R. Rafiee**, M. Ataei, S.M.E. Jalali, "*The optimum support design selection by using* Fuzzy Delphi Analytic Hierarchy Process *method for the Beheshtabad water transporting tunnel in Naien*", journal of Earth & Resources, (2011), PP. 41-49
5. H. Abedian, K. Mohammadi, **R. Rafiee, "***Optimizing monitoring network of water table by geostatistical methods***",** Journal of Geology and Mining Research**,** Vol. 5(9), (2013), pp. 223-231
6. **R. Rafiee**, M. Ataei, A. Azarfar, "Determination of optimum cutoff grades to maximize net present value by using Imperialism Competitive Algorithm (ICA)", Iranian Journal of Mining Engineering , (under review)

7. **R. Rafiee,** A. Ramezanzadeh, F. Sereshki, S.M.E. Jalali, "*The effect of discontinuity properties on the steady sate flow of water in the tunnel*", Tunneling and Underground Space Engineering, (under review)

8) CONFERENCES:

1. **R. Rafiee**, M. Ataei, S.M.E. Jalali, "*Design support system of Asaluye-Parsiyan tunnel by using of empirical and fuzzy methods and comparison between them*", 8th Iranian tunneling conference, Tarbiat modares, Tehran, May 2009

2. **R. Rafiee**, M. Ataei, "*A modification to rock mass rating (RMR) using fuzzy sets*", 6th Iranian Engineering Geology and the Environment conference**,** Tarbiat modares, Tehran, October 2009

3. **R.Rafiee,** R. Mikaeil, M.Ataei, S.M.E. Jalali, "*Estimation of ground water flow in the Beheshtabad tunnelby using analytical and numerical methods*", 3th Iranian conference of mining engineering, Bafgh, yazd, January 2010

4. **R.Rafiee**, M.Ataei, O.Foroogh, " *Optimum support system of Asloye-Parsiyan tunnel by using fuzzy logic*", 3th Iranian conference of mining engineering, Bafgh, yazd, January 2010

5. **R. Rafiee**, M. Ataei, S.M.E. Jalali, Probabilistic stability analysis of Beheshtabad water transporting tunnel by using simulation Latin hypercube method, 3th Iranian conference of mining engineering, Bafgh, yazd, January 2010

6. **R.Rafiee,** M.Najafi, M.Fatehi**,** "*Design support system for khadangestan water transporting tunnel by using experimental and numerical methods and compare them*", 7thIranian Students' Conference of Mining Engineering, Sahand university, Tabriz, November 2009

7. M. Najafi, A. R. Yarahmadibafghi, **R. Rafeei, "***Slope Stability analysis of Tailing dam Esphordi Phosphat Mine* ", 1th national mine convention. 25-27 February 2007.

8. **R. Rafiee**, M. Ataei, R. Khaloo Kakaie, "*Assessment of influence parameters on cavability of rock mass in block caving mines***"** ICME2013-Zanjan, Iran, 16-21 September 2013

9. **R. Rafiee,** A. Ramezanzadeh, F. Sereshki, S.M.E. Jalali, E. Movahedinezhad, "*Estimation of ground water flow into the koohrang tunnel using numerical and analytical method and comparison between them*", 10th Iranian Tunneling Conference, Tehran, Iran, 2013

10. **R. Rafiee,** M. Ataei, A. Amini, H. Abedian, "*Evaluation and ranking of risk in tunneling using fuzzy analytic hierarchy process (FAHP)*", 10th Iranian Tunneling Conference, Tehran, Iran, 2013

11. M. Najafi, S.M.E. Jalali**, R.Rafiee,** "*Evaluation the Effect of Geology Structure on Post-Peak of Coal Pillar Strength*", 1st Iranian Coal Congress, Shahrood, Semnan, Iran, 2012

12. M. Najafi**, R. Rafiee, "***Collapse Prevention approaches in Room and Pillar Mines*" 1st Iranian Coal Congress, Shahrood, Semnan, Iran, 2012

9) COMPUTER SKILLS:

General software
1. *Microsoft Office Full Pack (MS Word, MS Excel, MS Power Point)*
2. *Drowning: AutoCAD*
3. *Statistical: Crystal Ball, @Risk*
4. *MCDM: Super Decision*

Mining & rock mechanic software
1. *Rock Mechanics:, FLAC2D, Roclab, Slide, Phases2, Udec*
2. *Blasting Evaluation: Gold siz*

10) INTERESTED RESEARCH AREAS AND SUBJECTS:

1. *tunneling*
2. *Underground construction*
3. *Probabilistic modeling*
4. *Mechanical excavation*
5. *Rock mechanic*
6. *optimization*