

#### Curriculum Vitae

(Biography)

#### **PERSONAL INFORMATION**

Name: Kamran Goshtasbi Goharizi

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(academic Experience)

#### **EDUCATIONAL RECORDS**

B. Sc University of Newcastle, England Mining Eng. 1983

M.Sc

Ph.D. University of Nottingham, England Rock Mechanics 1987

#### **ACADEMIC EXPERIENCES**

- Associate professor - Tarbiat Modarres University, Tehran, Iran, (Since 1386)
- Assistant professor - Tarbiat Modarres University, Tehran, Iran, (1373-1386)
- Post Doctoral research fellow - Imperial College of Science & Technology London (From 1989-1992)

(Research)

#### **RESEARCH INTERESTS:**

Design and Stability of tunnels and slopes

- 1) Hydraulic Fracturing
- 2) Numerical Modeling & Experimental Investigations
- 3) Design and Stability of Underground excavations

#### **RECENT JOURNAL PAPERS**

- 1- Esfandiari, B., Abrishamifar, K., Goshtasbi, K., " Finding and sorting the three dimensional push back extraction scenarios from maximum to minimum net present value by integer

- programming in open pit mine, International journal of Engineering science, vol. 2, 2004.
- 2- Asadi, A., Shahriar, K. Goshtasbi, K., " Profiling Function for Surface Subsidence Prediction in Mining induced Coal Seams, Journal of Mining Science, Vol.40, No.2,2004
  - 3- Asadi, K., Shahriar, K., Goshtasbi, K., Najm, K., " Development of a new Mathematical Model for prediction of Surface Subsidence due to induced Coal-Seam Mining, The Journal of the South African Institute of Mining and Metallurgy, Vol.105, No.1, 2005.
  - 4- Goshtasbi. K., Khodadadi, D., " Determination of Optimum Block Size in the Mining of Ornamental Stones by Diamond Wire", The Journal of Geoscience, No. 55, 2005.
  - 5- Goshtasbi,K., Ahmadi, M., Seydi, J., " Anisotropic Strength behavior of Slates in the Sirjan-Sanandaj Zone, The Journal of the South African Institute of Mining and Metallurgy, Vol.106, No.1, 2006.
  - 6- Goshtasbi, K., Oraee, K., Khakhpour, F., " Selection of Shield Support with respect to Coal Seam Geometric Characteristics, Journal of Mining Science, 2006.
  - 7- Ahmadi, M, Goshtasbi,K., Zoorabadi, M., " Probabilistic Analysis of Slopes", International Journal of Engineering Science, 2007.09.15.
  - 8- Goshtasbi,K., Ahmadi, M., Naeemi, Y., " An efficient method for finding the critical surface slip surface using the Monte Carlo technique", Journal of Geoscience ,2007.
  - 9- Monjezi,M., Goshtasbi, K., Rezakhah, M., Singh, T.N., "Design of stable slopes for the Songun copper mine ",Mining Technology, Maney Publishing ,2007.
  - 10- Ahmadi, M, Goshtasbi,K., Ashjari, A., " 2-D and 3-D analysis of underground openings in an inhomogeneous rock mass", Iranian Journal of Science & Technology,2007.
  - 11- Ahmadi, M., Goshtasbi, K., Rashidi, R. "In", Iranian Journal of Mining Engineering,Vol.2, No. 4, pp 47-54, 2008.
  - 12- Goshtasbi,K., Ataei, M., Kalatejary, R., "Slope Modification of open pit wall using a genetic algorithm-Case study:southern wall of the 6<sup>th</sup> Golbini Jajarm bauxite mine", The journal of the South African institute of Mining and Metalurgy vol. 108, 2008.
  - 13- Balideh, S., Goshtasbi, K., Aghababaei, N., Merzai, H. "Seismic Analysis of Underground Spaces to Propagation of Seismic waves", Journal of Applied Sciences, pp1615-1627, 2009.
  - 14- Ghazvinian, A.H., Goshtasbi, K., Ghasempour, N., " Designing and Optimizing Support System- Case Study: Tabriz Metro Single Tunnel", Journal of Rock Mechanics and Tunnelling Technology", Vol.15, No. 1., 2009.

#### RECENT CONFERENCE AND SEMINARS PAPERS

- 1- Goshtasbi, K.G. & Hosseini, M."The use of Emperical Methods in Rock slope stability", The 4th Symposium of Geological Society of Iran, Tabriz,Iran, 2000.
- 2- Goshtasbi, K.G. & Hosseini, M."Stability analysis of Maydook copper mine", 9th International Symposium on Mine Planning and Equipment Selection, Athena, Greece, 2000.
- 3- Goshtasbi, K.G. & Mohammadi, M."The effect of shock load on the stability of tunnels", 9th International Symposium on Mine Planning and Equipment Selections, Athena, 2000.
- 4- Goshtasbi,K.G. and Dehghan,S.F."Stability analysis and support design of Glandroud coal mine tunnel", 17th International Mining Congress and Exhibition of Turkey,Ankara,Turkey,2001.
- 5- Goshtasbi,K.G. and Taheri Tavakol,M."The stability analysis of tunnels driven in jointed rock masses of Jahrom formation",the 2001 ISRM International Symposium,Beijing,China,2001.
- 6- Goshtasbi.K.G. and Dehghan,S.F."The role of geotechnical parameters in investigating mining excavations", 2nd Symposium of Engineering Geology of Iran,Tehran,Iran,2001.
- 7- Goshtasbi,K.G.,Nickkah,M. and Daliri,M."Investigation of Methods to predict the bearing capacity of rock foundations",1st Iranian Rock Mechanics Conference,Tehran,Iran,2001.
- 8- Khoshboresh,A. and Goshtasbi,K.G.,1st Iranian Rock Mechanics Conference,Tehran,Iran,2001.

- 9- Goshtasbi, K., Azizmohamadi, d., " Geomechanical Characteristics of Kaka Reza water conveyance tunnel", 21<sup>st</sup> Symposium on Geosciences, Tehran, Iran, 2003.
- 10- Goshtasbi, K., Alikaei, S., " Investigation of the Engineering Geology Characteristics of Damaghan water conveyance tunnel", 21<sup>st</sup> Symposium on Geosciences, Tehran, Iran, 2003.
- 11- Goshtasbi, K., Langari, A., " The Investigation of Permeability in Kermanshah Dam", The 3<sup>rd</sup> national conference on Engineering Geology and The Environment, Hamadan, Iran, 2003.
- 12- Goshtasbi, K., Osanloo, M., Kazemini, A., " Slope Stability Analysis of Gol-E-Gohar Mine using Limit Equilibrium, Empirical and Numerical methods", Fourth International Conference on Computer Applications in the Mineral Industries, CAMI 2003, Canada, 2003.
- 13- Goshtasbi, K., Khakhsaz, Razavi, " Slope Stability Analysis of Alborz Damas Spillway using Limit Equilibrium and Numerical methods", Fourth International Conference on Computer Applications in the Mineral Industries, CAMI 2003, Canada, 2003.
- 14- Taghizadeh, Ahmadi, M., Goshtasbi, K., Optimum Drill and Blast Patterns in Tunnel no 4 of Yasouj", 6<sup>th</sup> tunnel Conference, Tehran, Iran, 2004.
- 15- Goshtasbi, K., Pourkhandani, R., Sadeghi, M., " Design of Ventilation system of Razi Coal Mine", The 5<sup>th</sup> congress on Safety, Occupation and Environmental Health in Mines and Related Industries, Kerman, Iran, 2004.
- 16- Goshtasbi, K., Moosazadeh, M., " Investigation of Geomechanical Parameters of Masjed Soleyman Dam, 22<sup>nd</sup> Symposium on Geosciences, Tehran, Iran, 2004.
- 17- Ahmadi, M., Goshtasbi, K., " Statistical Stability Analysis of Doona Land slide in Sia Bishe Dam, 2<sup>nd</sup> Iranian Rock Mechanics Conference, Tehran, Iran, 2004.
- 18- Oraee, K., Goshtasbi, K., Khakhpour, F., " Prediction of Cyclic Load on Long wall Panel roof", Iranian Mining Engineering Conference, Tehran, Iran, 2005.
- 19- Ahmadi, M., Goshtasbi, K., Ashjari, R., " 3-D Analysis of stresses and strains around Circular Tunnel", Proceeding of 4<sup>th</sup> Iranian Conference of Engineering Geology and the Environment, Tehran, Iran, 2006.
- 20- Monjezi, M., Goshtasbi, K., Rezakhah, M., " A Mathematical Equation for Determination of Pit Slope of Songun Copper Mine", 24<sup>th</sup> Symposium on Geosciences, Tehran, Iran, 2006.
- 21- Goshtasbi, K. Assadi, M., "Two dimensional modeling and stability analysis of slopes overlaying to Shahid Ragaee power plant", 4ICEGE, Greece, 2007.

#### **RESEARCH PROJECT LEADER:**

- 1) EEC Project, the use of Rock mech. in the Design of mine Pillar
- 2) EEC Project, Cut and fill mining
- 3) The Effect of Seismic Loads on Tunnels

(Students)

#### **RESEARCH STUDENTS SUPERVISED:**

35 M.Sc. students

#### **RESEARCH STUDENTS CO-SUPERVISED:**

30 M.Sc. students, 2 Ph.D. students

(courses)

#### **COURSES TAUGHT: M.Sc. and Ph.D.**

- 1) Rock Mechanics
- 2) Tunnelling
- 3) Rock Dynamics
- 4) Numerical Methods

- 5) Instrumentation and in-situ tests
- 6) Underground Excavation
- 7) Petroleum Rock Mechanics