

#### Curriculum Vitae

**Name & Address:** Morteza Ahmadi

Rock Mechanics Division,  
Department of Mining Engineering, Faculty of Engineering,  
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**Qualifications:** Ph. D., Rock Mechanics, (Geotechnical Engineering)

#### **Experiences:**

##### **1-Academic Experiences & Contributions**

###### **A)Employment:**

Faculty member, Dept. of Mining Eng., Faculty of Engineering, Tarbiat Modares University, (TMU), Tehran, Iran, 1992 till date.

###### **B) Executive Positions Held:**

Head, Dept. of Mining Eng., TMU, 1998 to 2006.

###### **C)Contributions:**

Established Rock Mechanics Lab. for the Dept. of Mining Eng, TMU, 1995

Established M.Sc. Course in Rock Mechanics, (first time in Iran), 1993

###### **D)Teaching:**

1. Taught the following Ph. D., M. Sc., and B. Sc. Courses:
2. Continuum and discontinuum mechanics in rock
3. Advanced Rock Mechanics,
4. Slope stability Analysis,
5. Rock Mechanics, laboratory
6. Feature mechanics in rock

###### **E) Research interests:**

1. Design and Stability of slopes
2. Insitu stress measurement
3. Time dependent behavior of rock structures
4. Petroleum Geomechanics

## **2-Professional Experiences & Contributions**

### **A)Positions Held:**

Senior Geotechnical Engineer, Moshanir Consulting Engineers, Ministry of Energy of Iran, 2003 to 2006

### **B)Contributions:**

Member, International Panel on the Stability of the Power Cavern of Masjed Solyman Dam, Ministry of Energy of Iran, 2000.

### **C)Technical Publications:**

Produced numerous Technical Reports

### **Research Activities:**

1. Published over 20 Papers in National and International Journals.
2. Published over 45 Papers in National and International Conferences.
3. Edited 2nd Iranian Rock Mechanics Conference, 2004, Tarbiat Modares University Tehran, Iran.
4. Supervised over 30 M.Sc. Theses.
5. Technical Referee to examine numerous Technical Books and Papers.
6. Conducted a Workshop on " Groutability and Ground improvements by Grouting ", Prof. Shroff was invited. Tarbiat Modares University, 1999.
7. Conducted a Short Course on "Rock Mechanics Principals", Prof. T. Ramamurthy was invited, Tarbiat Modares University, 1991.

### **Professional Achievement & Affiliations:**

1. Secretary - General, Iranian Society for Rock Mechanics, National Group of International Society of Rock Mechanics, ISRM, 2001 till 2005.
2. Board of Director, Iranian Society for Rock Mechanics, National Group of International Society of Rock Mechanics, ISRM, 1995 till 1999.
3. One of establisher of Iranian Society for Rock Mechanics.
4. Secretary- General, 2nd Iranian Rock Mechanics conference, 2004, Tarbiat Modares University, Tehran, Iran.
5. Fellow of the Iranian Society for Rock Mechanics.
6. Member, International Society for Rock Mechanics.
7. Fellow, Iranian Society for Mining Engineering.

1. 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.
2. Ahmadi, M, Goshtasbi,K., Zoorabadi, M., " Probabilistic Analysis of Slopes", International Journal of Engineering Science, 2007.09.15
3. 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.
4. 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.
5. Ahmadi, M., Goshtasbi, K., Rashidi, R. "In", Iranian Journal of Mining Engineering, Vol.2, No. 4, pp 47-54, 2008.
6. Saem M., Ahmadi, M., and Yazdian A., "Design of neural networks using genetic algorithm for the permeability estimation of the reservoir" Journal of Petroleum Science and Technology 59(2007) 07-105.
7. Askari M., Ahmadi M., "Failure process after peak strength of artificial joints by fractal

dimension" Geotech. Geol. Eng. (2007) 25:631-637.

8. Saem M., Ahmadi, M., "Integration of genetic algorithm and a coactive Nero-fuzzy inference system for the permeability prediction from well logs data" Transp. Porous Med. (2008) 71:273-288.

9. Ahmadi, M., Saemi, M. and Asghari, K, "Estimation of the reservoir permeability by petrophysical information using intelligent systems" Petroleum science and technology (2008) 26:14, 1656-1667.

Graduating several M.Sc. students