

M. Balandari Toroghi

MINING ENGINEER

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MINING

Underground Tunnels

Sublevel Stopping

Numerical Modeling

Analytical Modeling

Field Work

Rock Mechanics Laboratory

Geological Mapping

CODING & SOFTWARE

Python

MATLAB

RS2

RS3

SLIDE

SURFER

EDUCATION

PhD, Mining Engineering
(Istanbul Technical University).

M.Sc., Mining Engineering
(Tehran Polytechnic), 2009 -
2011.

B.Sc., Mining engineering
(University of Birjand), 2000 -
2005.

RESUME OBJECTIVE

A motivated and professional mining engineer with a commitment to and more than 6 years' experience of developing innovative and creative engineering solutions in tunneling and exploration field work. Easy-going by nature and able to get along with both work colleagues and senior managers, actively looking for a suitable position with an ambitious.

EXPERIENCE

PHD RESEARCHER

Istanbul Technical University (ITU) / 2017 - Present

- Working as a PhD researcher on the underground mining projects at rock mechanics laboratory of faculty of mines.
- Performing and directing rock mechanics tests such as UCS, TCS, BTS, DSS, slake durability test, porosity test.
- Modeling and analyzing results of tests and offering solutions and designs according the underground methods that apply in projects.
- Numerical modeling of underground tunnels with RS and RS3 then comparing results with analytical methods and optimizing the design.

SITE GEOMECHANICAL ENGINEER

STRATUS International Contracting Company / 2012 – 2014

- Worked on the tunneling of Azad Dam located in the west of Iran. Azad is an embankment dam with its own pumped storage power plant that I was involved in the construction of tunnels accessing the cavern of the storage power plant. My work included supervising the tunnel plan, providing the rock mass classification reports, and preparing the geological and as-built maps.

FIELD MINING ENGINEER

Beh Avaran Mining Co. / 2006 – 2008

- As an exploration mining engineer participated in the field work of prospecting for metallic minerals. My work comprised geochemical sampling and preparing rock samples for the laboratory. Also, I provided anomaly maps and interpretation of the results of the laboratory in different phases of the exploration project.

MINING ENGINEERING INTERN

Technical Soil & Rock Mechanics Lab. of Khorasan / 2005 – 2006

- My internship program, at the central rock mechanics laboratory of province, entailed performing standard soil and rock mechanics tests such as compressive strength of rock cores, soil gradation, concrete mix design, and triaxial, and uniaxial tests.