

TAREQ ALBUKHARI

MINING ENGINEER



CONTACT

🏠 Tripoli - Libya
☎ +218 21 360 6080
📠 +218 92 447 4086
☎ +218 91 715 6562
✉ tareqalbukhari@gmail.com
in tareq-albukhari-b20b036a/
🏢 https://www.researchgate.net/profile/Tareq_Albukhari2

PERSONAL INFORMATION

Birthdate
1982
Gender
Male
Residence
Tripoli - Libya
Nationality
Libyan

PROFILE

Experienced Geomechanical Engineer with a demonstrated history of working in the construction and petroleum industry. Skilled in Rock Mechanics, Mathematical Modeling, Geology, Numerical Simulation, and Tunneling. Strong engineering professional with a Master of Science (M.Sc.) focused in Mining Geomechanics from University of Tripoli.

EXPERIENCE

- **2021 - Present** **University of Tripoli - Faculty of Engineering**
Assistant Lecturer, Tripoli
 - Lead and instruct students of Mining engineering department in fundamentals of Rock Mechanics and Slope Stability through experiments design and with an active lecture style to promote student engagement.
 - Quality and performance of education components in Mining Engineering Department.
- **2017 - 2021** **RAI Oil Field Services**
Lab Engineer, Alfeel Oil Field
 - Preparing and Testing construction materials including basecourse, aggregates and concrete cubes
 - Analysing the chemical make-up and physical properties of samples
 - Servicing and maintaining laboratory equipment, and interpreting data
 - Suggesting new construction materials to use in case of shortage of materials occur.
- **2008 - 2016** **National Consulting Bureau**
Geotechnical Engineer, Tripoli
 - Gathering and analyzing geotechnical data
 - Advising on procedures required and the suitability of construction materials
 - Using specialist computer software to create analytical 2D and 3D models
 - Consulting geological maps to advise on site selection
 - Planning detailed field investigations by drilling
 - Supervising ground investigations and budgets
 - Advising on and testing a range of construction materials
 - Making recommendations

SKILLS

Office apps

MS Word	●	●	●	●	●
MS Excel	●	●	●	●	●
MS PowerPoint	●	●	●	●	●

Languages

English	●	●	●	●	●
Arabic	●	●	●	●	●
Amazighi	●	●	●	●	●

Geotechnical Softwares

ITASCA FLAC2D	●	●	●	●	●
ITASCA FLAC 3D	●	●	●	●	●
RocScience	●	●	●	●	●
Phase2	●	●	●	●	●
RocScience Dips	●	●	●	●	●
RocScience	●	●	●	●	●
Slide2	●	●	●	●	●
RocScience	●	●	●	●	●
RocData	●	●	●	●	●

Geomechanical Softwares

Schlumberger	●	●	●	●	●
Techlog	●	●	●	●	●
Baker Hughes	●	●	●	●	●
JewelSuite	●	●	●	●	●
Geomechanics	●	●	●	●	●

Coding

C++	●	●	●	●	●
Python	●	●	●	●	●
Matlab	●	●	●	●	●
Fortran	●	●	●	●	●
BASIC	●	●	●	●	●

2009 - 2012

Weatherford Lamb Limited

Mud Logger, Tripoli

- Monitoring computer recordings of drillings
- Operating and maintaining a real-time computer-based data acquisition system
- Reporting to the wellsite geologist and the oil company in written reports
- Interpreting information and feeding it back to the drilling team to enhance safety and success
- Assisting the wellsite geologist during coring operations
- Working in wellsite units collecting, processing, logging and analyzing geological samples

EDUCATION

2012 - 2018

Master of Science/Mining Engineering

University of Tripoli, Tripoli

I focused my study in the subject of Geomechanics. So I've chosen varied courses related to the subject, such as: Rock mmechanics, Rock Fracturing Mechanics, Stress-Strain Analysis, Tunnelling and Supporting and Underground Opening Design. In the last year, my supervisor advised me to write my thesis about Wellbore Instability problems, Because it's a widespread problem in the Oil industry which related to Rock Mechanics. Finally we succeeded to to propose a geomechanical solution for a wellbore instability problem incountered in one of the biggest Oil fields in Libya.

2000 - 2007

Bachelor of Science/Mining Engineering

University of Tripoli, Tripoli

I focused my interests in Geomechanics, and I wrote my project in underground opening design. In my project, I suggest to construct underground storage to store hydrocarbon materials, and I could proof these type of storage are more safe and less cost than traditional surface facilities.

PUBLICATIONS

Research Paper

GEOMECHANICAL WELLBORE STABILITY ANALYSIS FOR THE RESERVOIR SECTION IN J-NC186 OIL FIELD

Tareq. M. Albukhari, Ghaith K. Beshish, Moftah M. Abouzbeda, Abdasalam Madi | 2018

A research paper published in ISRM First International Conference on Advances in Rock Mechanics, March 2018, Hammamet, Tunisia.

COURSES

- 04/2018 **RESERVOIR GEOMECHANICS**
Stanford University, California
Understanding of practical issues in energy production combining knowledge of the stresses in the Earth with the principles of rock mechanics, structural geology, petroleum engineering, and earthquake seismology.
- 03-2018 **THE INTEGRATION OF STRUCTURAL GEOLOGY AND APPLIED ROCK MECHANICS**
Tunisian Society of Rock Mechanics, Tunisia
The origin and the characteristic of rock joints and joint sets (i.e. fractures and fracture sets), shear strength, anisotropy, Q-System application for drill and blast tunnelling , TBM tunnelling and QTBM prognosis.
- 03-2018 **DETERMINISTIC AND PROBABILISTIC ROCK SLOPE STABILITY ANALYSIS**
Tunisian Society of Rock Mechanics , Tunisia
The application of kinematic (both deterministic and probabilistic) and limit equilibrium analysis for rock mass surface excavations.
- 03-2019 **DRILLING AND RESERVOIR FLUID PROPERTIES**
Algifr Co. Consulting and Training, Tripoli
Part1: Addressing how to engineer a mud system, as well as cover water and oil based mud, and synthetic mud systems.
Part2: introduction to the topic of PVT and reservoir fluid phase behavior, PVT laboratory experiments and an introduction to equations of state.

REFERENCES

Eng. Abd u Raheem Dwaia

, Head of Geotechnical and Surveying
Department
+218 92 5168727 - +218 917599380
a.dwia@yahoo.com

Dr. Abdasalam M. Madi

, Head of Mining Engineering Department
+218 92 3544350
a.ramah@uot.edu.ly

Eng. Wagas Kamal

, Project Manager at Rai Oil Field Services
+218 91 3942870
wagas@rai-os.com