

Shaine Mohammadali

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PROFESSIONAL SUMMARY

I am a Petroleum Engineering graduate with specialization in Drilling Engineering from Norwegian University of Science & Technology, Trondheim. I am proficient in developing new lessons and activities to expand learning opportunities.

EXPERIENCE

March 2018– Present
Karachi, Pakistan

N.E.D. University
Assistant Professor

Jan 2014– 2018
Karachi, Pakistan

N.E.D. University
Lecturer

- Prepared and delivered lectures
- Supervised and corrected examinations
- Rendered Class Advisory role in for students
- Held position as an Internal Supervisor of Final-Year project
- Involved in course team activities and curriculum development for students

EDUCATION

2021 onwards

PhD in progress (NED University of Engineering & Technology)

2015 – 2017

Norwegian University of Science and Technology

MS (Petroleum / Drilling Engineering) with and overall **B Grade (85%)**

2009 – 2012

N.E.D. University of Engineering and Technology

Karachi, Pakistan

BE (Petroleum Engineering)

89.61% 4.0 GPA

2007 – 2008

COMMCES College

Karachi, Pakistan

Intermediate Engineering with **84.3%** and ranked 2nd in the section.

ACADEMIC PROJECTS

MSC THESIS

June 2017 – Dec 2017

Error and Ellipses of Uncertainty in Far North

- To analyze the impact of MWD survey error sources and positional uncertainty envelop analysis

MSC Specialization Project

Sept 2016 – Dec 2016

Modeling Relief Wells for a Shallow Horizontal Target Well

- Modeling Relief wells to intersect an extremely shallow horizontal well 250m below the sea bed.

MSC Specialization Course

Well Path Construction and Anti-Collision Analysis

- Design a directional injector well successfully in the vicinity of neighboring wells through an anti-collision analysis.
- Coordinate and collaborate with other groups working on different parts of well construction to deliver the final well design.

MAJOR RESEARCH PAPERS

- Research Thesis related to “*Error and Ellipses of Uncertainty in Far North*”
- **Lalji, S.M.**, Haneef, J., Khan, M.A. Ali, S. I. Demagnetizing the drill string magnetic interference in Far North and in Pakistan. Journal of Petroleum, 2019. doi:10.1007/s13202-019-00801-7
- Lalji, S.M., Khan, M.A., Haneef, J. et al. Nano-particles adapted drilling fluids for the swelling inhibition for the Northern region clay formation of Pakistan. Appl. Nanosci (2021). <https://doi.org/10.1007/s13204-021-01825-4>
- Ali, S.I., Lalji, S.M., Haneef, J. et al. Comprehensive Analysis of Asphaltene Stability Predictors under Different Conditions. Pet. Chem. 61, 446–454 (2021). <https://doi.org/10.1134/S0965544121050091>
- Syed Imran Ali, Shaine Mohammadali Lalji, Javed Haneef, Usama Ahsan, Syed Mohammad Tariq, Syed Talha Tirmizi, Ramsha Shamim, Critical analysis of different techniques used to screen asphaltene stability in crude oils, Fuel, Volume 299, 2021
- Syed Imran Ali, Shaine Mohammadali Lalji, Javed Haneef, Usama Ahsan, Muhammad Arqam Khan, Nimra Yousaf, Estimation of asphaltene adsorption on MgO nanoparticles using ensemble learning, Chemometrics and Intelligent Laboratory Systems, Volume 208, 2021, 104220, ISSN 0169-7439, <https://doi.org/10.1016/j.chemolab.2020.104220>.

SKILLS

- Landmark suit of software (Well plan, Well-cat, Stress check, Compass etc.), Matlab, Microsoft Office.
- Strong Communication & Interpersonal skills.
- Data Analysis, Problem Solving, Petroleum Engineering, Drilling Engineering.
- Cooperative, Initiator, Team Player, Patient and Ethical.

ACHIEVEMENTS

- 1st Position (Poster Presentation) at PhD seminar organized by Department of Geoscience & Petroleum, NTNU.
- Member NTNU Petro-bowl team; Finished in world's top 8 elite teams at the final Petro-bowl Championship held at SPE Annual Technical Conference & Exhibition, Dubai, 2016.