Abdolrazzagh Javid

EDUCATION

University of Houston — Houston, TX
PhD in Geophysics and Seismology, Supervisor: John Castagna — August 2023 - Expected 2027

RESEARCH EXPERIENCE

Testing Gassmann's Undrained Bulk Modulus using Effective Elastic Media Approaches
Department of Earth and Atmospheric Sciences, University of Houston, Spring 2023 - Present

SEG EVOLVE Program, CCUS Potential in the Southern North Sea
University of Houston, September 2024 - August 2025
- Team Leader,Petrophysicist and Seismic Interpreter, Carbon Sequestration and Advanced Carbon Storage Courses

SEG EVOLVE Program, Gas Potential in the Southern North Sea
University of Houston, January 2024 - August 2024
- Petrophysicist and Exploration Geophysicist, Advanced Seismic Exploration Course

Comparing Compressional and Shear Wave Estimates in Fully Hydrogen-Saturated Sandstone
Fall 2023, Michael T. Myers Rock Physics Lab, Petroleum Engineering Department, University of Houston
- Comparing Compressional and Shear Wave Estimates in Fully Hydrogen-Saturated Fontainebleau Sandstone Core Samples with Gassmann Fluid Substitution Outcomes Varying Temperature and Pressure

Application of Rock Physic Modeling to Estimate Permeability and Relative Permeability
Master Thesis Research, October 2019 - October 2022
- Rock Physic Modeling to Estimate the Elastic, Hydraulic, and Resistivity of Fractured Carbonate Rocks, Forward and Inverse Problem and Optimization Algorithms

PUBLICATION AND PRESENTATION

IMAGE 2025, Oral and Poster Presentation — Houston, August 2025
CCUS Potential in the Southern North Sea, Case Study in the Bunter Sandstone (Published)

The 30th and 31st Annual Milton B. Dobrin Lecture — Houston, February 2024 and February 2025
Poster Presentation, University of Houston

IMAGE 2024, Oral and Poster Presentation — Houston, August 2024
SEG EVOLVE, Oil Potential in the Southern North Sea

AREAS OF EXPERTISE

Petrophysical Analysis: Log Data Quality Control and Analysis, Advanced Log Processing
- Verify Log Data Accuracy Against Log Images, Identify Errors in Well Logs and Implement Corrections, Generate Synthetic Sonic and Density Curves, Interpret Well Logs Using Numerical and Experimental Approaches and Participate, Geomechanics

Seismic Interpretation: Qualitative and Quantitative Seismic Data Analysis
- Seismic Velocity Model and QC, Seismic Well Tie and Synthetic Seismogram Generation, Time-Depth Conversion, Seismic Inversion, Facies Analysis, DHI Analysis, Analyze Seismic Attributes, Prospect Evaluation, Reservoir Quality Prediction, Seal Analysis

AWARDS AND SCHOLARSHIPS

University of HoustonNSM Alumni Association (Eckhard Pfeifer/Carolyn Farb) Scholarship Award for the academic year 2024-2025 and 2025-2026.

University of Houston 3rd Place in the 30th Dobrin Lecture Poster Award for Geophysics Poster Presentation, February, 2024 at University of Houston.

SKILLS, ACTIVITIES AND INTERESTS

Rock Physics Lab Equipment: Vertical Milling Drilling, Porosimeter, Isostatic Cells

Memberships: SEG, AAPG, SPWLA, AIPG, HGS, GSH, UH AAPG Wildcatters

Language: English (Fluent),Turkmen (Native), Persian (Native)

Volunteer Experiences: Judge for Texas Science and Engineering Fair 2025, and Science and Engineering Fair of Houston 2025, Moderator of the GSH, HGS Case Study Academy Event, GSH Spring Symposium, 2025

Software: Techlog, Kingdom, Petrel, Hampson-Russell, RokDoc, MATLAB(Professional)

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