

Computational Geoscientist (419305) – Forward Sediment Modeling

The Aramco Global Research Center focuses on research and innovation in geology, geophysics, reservoir engineering, production technology, drilling, and sensors development to advance the discovery and recovery of oil and gas. Located in Houston's Energy Corridor, the center neighbors the nation's leading petroleum engineering universities, labs, manufacturers, and service companies.

This position provides high-level technical analysis, guidance and innovation to the solution of Exploration, Technology or Reservoir Characterization problems. The Candidate will perform research with a multidisciplinary team to develop directions in multi-scale computational geoscience research with a strong emphasis on numerical modeling of sediment transport at reservoir and basin scales.

The Candidate will develop in-house numerical models from scratch using programming languages suited for scientific computing (C++/Python), and use existing scientific packages to build model prototypes. Numerical modelling will be linked to integrated research efforts that may include but are not limited to unconventional resources, hydrocarbon systems evaluation, source-rock analysis, reservoir quality, environments of deposition, reactive transport modeling.

For further details see:

<https://www.aramcoservices.com/careers/opportunities?q=419305>

Geochemist (441596) – Computational & Laboratory

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This position provides high-level technical analysis, guidance and innovation to the solution of Exploration, Technology or Reservoir Characterization problems. Candidate will perform research with a multidisciplinary team to develop directions in geochemistry research involving geochemical modeling and analysis, laboratory analyses and experiments.

The Candidate will pursue research in inorganic and organic geochemistry while maintaining awareness of and pursuing novel developments for advanced analytical and experimental methods, which may include 3D printing. The Candidate will use broad knowledge and experience in geochemistry to guide research related to areas including quantitative source rock and hydrocarbon system evaluation, reservoir quality assessment and diagenesis. Programming skills required.

For further details see:

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